TIOGA AVENUE SITE

STEUBEN COUNTY

CORNING, NEW YORK

SITE MANAGEMENT PLAN

NYSDEC Site Number: C851031

Prepared for:

Corning Incorporated
Riverfront Plaza
Corning, NY 14831

Prepared by:

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Revisions to Final Approved Site Management Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date
1	3/29/2012	Added Appendix H – Stormwater Pollution Prevention Plan	4/03/2012
2	12/06/2024	Revised to Reflect Site Conditions Following Construction of Fall Brook Passive Park and Formatted to New NYSDEC Template.	3/26/2025

APRIL 2025

CERTIFICATION STATEMENT

I, JEFFREY MARSH, P.E., certify that I am currently a NYS registered professional engineer or as in defined in 6 NYCRR Part 375 and that this Site Management Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and Green Remediation (DER-31).

_____ _____ [P.E.]

__04/07/2025_____DATE

TABLE OF CONTENTS

TIOGA AVENUE SITE
STEUBEN COUNTY
CORNING, NEW YORK

SITE MANAGEMENT PLAN

Table of Contents

LIST OF ACRONYMS vii
ES EXECUTIVE SUMMARY ix
1.0 INTRODUCTION 11
1.1 General 11
1.2 Revisions and Alterations 12
1.3 Notifications 13
2.0 SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS 15
2.1 Site Location and Description 15
2.2 Physical Setting 15
2.2.1 Land Use 15
2.2.2 Geology 16
2.2.3 Hydrogeology 17
2.3 Investigation and Remedial History 18
2.3.1 Preliminary RCRA Facility Assessment 20
2.3.2 Environmental Site Assessments 21
2.3.3 Remedial Investigation 24
2.3.4 Alternatives Analysis Report 27
2.3.5 Decision Document and Remediation 27
2.3.6 Subsequent Remediation 29
2.3.7 Stormwater Improvement Project and Structure Closures 32
2.3.8 Railroad Repairs 33
2.4 Remedial Action Objectives 34

2.4.1 Soil 34
2.4.2 Soil Vapor 34
2.5 Remaining Contamination 35
2.5.1 Soil 35
2.5.2 Groundwater 36
2.5.3 Surface Water 36
2.5.4 Soil Vapor 36
3.0 INSTITUTIONAL AND ENGINEERING CONTROL PLAN 38
3.1 General 38
3.2 Institutional Controls 38
3.3 Engineering Controls 40
3.3.1 Cover 40
3.3.2 Criteria for Completion of Remediation/Termination of Remedial Systems 41
3.3.2.1 – Cover 42
4.0 MONITORING AND SAMPLING PLAN 43
4.1 General 43
4.2 Site – Wide Inspection 43
4.3 Groundwater Sampling 45
5.0 OPERATION AND MAINTENANCE PLAN 46
5.1 General 46
6.0 PERIODIC ASSESSMENTS/EVALUATIONS 47
6.1 Climate Change Vulnerability Assessment 47
6.2 Green Remediation Evaluation 48
7.0. REPORTING REQUIREMENTS 50
7.1 Site Management Reports 50
7.2 Periodic Review Report 52
7.2.1 Certification of Institutional and Engineering Controls 53
7.3 Corrective Measures Work Plan 55
8.0 REFERENCES 56

List of Tables in text

Table 1 – Notifications
Table 2 – Schedule of Interim Monitoring/Inspection Reports

List of Tables (attached)

Table I – Summary of Water Level Data
Table II – Summary of Arsenic and Lead Commercial SCO Exceedances for Soil Remaining Below Cover System
Table III – Summary of Weathered Petroleum Evidence
Table IV – Summary of Analytical Results for Soil Remaining Below Cover System
Table V – Summary of Analytical Results for Groundwater

List of Figures

Figure 1 – Site Location Map
Figure 2 – Site Layout Map (Sample Locations, Boundaries, Tax Parcels, etc.)
Figure 3 – Geologic Cross Section
Figure 4 – Groundwater Contour Map
Figure 5 – Engineering Control Boundaries (Demarcation Layer; Treatment System; Cover; etc.)
Figure 6A – Remaining Soil Sample Exceedances: Arsenic and Lead in Historic Fill (Beneath Demarcation Layer)
Figure 6B – Remaining Soil Sample Exceedances: Posting Map of Arsenic Concentrations Within 0-1 Foot Depth (Beneath Demarcation Layer)
Figure 6C – Remaining Soil Sample Exceedances: Posting Map of Arsenic Concentrations Within Fill Below 1 Foot Depth (Beneath Demarcation Layer)
Figure 6D – Remaining Soil Sample Exceedances: Posting Map of Lead Concentrations Within 0-1 Foot Depth (Beneath Demarcation Layer)
Figure 6E – Remaining Soil Sample Exceedances: Posting Map of Lead Concentrations Within Fill Below 1 Foot Depth (Beneath Demarcation Layer)
Figure 6F – Remaining Contamination in Groundwater: Posting Map of Isopropylbenzene Concentrations
Figure 7 – Locations Exhibiting Residual Petroleum Impact
Figure 8 – Cover System Cross Sections
Figure 9 – Site Stormwater Management System

List of Appendices

Appendix A – Environmental Easement
Appendix B – List of Site Contacts
Appendix C – Boring and Monitoring Well Construction Logs
Appendix D – Decision Document
Appendix E – Excavation Work Plan
Appendix F – Site Management Forms
Appendix G – Health and Safety Plan
Appendix H – Community Air Monitoring Plan

LIST OF ACRONYMS

AAR	Alternatives Analysis Report
AOC	Area of Concern
AST	Aboveground Storage Tank
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
bgs	Below Ground Surface
BMP	Best Management Practice
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CAMP	Community Air Monitoring Plan
CDR	Construction Documentation Report
CFR	Code of Federal Regulation
CLP	Contract Laboratory Program
COC	Certificate of Completion
CO_2	Carbon Dioxide
DER	Division of Environmental Remediation
DUSR	Data Usability Summary Report
EC	Engineering Control
ECL	Environmental Conservation Law
ELAP	Environmental Laboratory Approval Program
ESA	Environmental Site Assessment
EWP	Excavation Work Plan
FER	Final Engineering Report
GHG	Greenhouse Gas
GMS	General Machine Shop
HASP	Health and Safety Plan
IC	Institutional Control
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYCRR	New York Codes, Rules and Regulations
O&M	Operation and Maintenance
OM&M	Operation, Maintenance and Monitoring
OSHA	Occupational Safety and Health Administration
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
P.E. or PE	Professional Engineer
PFAS	Per- and Polyfluoroalkyl Substances
PID	Photoionization Detector
PRR	Periodic Review Report
QA/QC	Quality Assurance/Quality Control
QEP	Qualified Environmental Professional
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RFA	RCRA Facility Assessment

RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
SCG	Standards, Criteria and Guidelines
SCO	Soil Cleanup Objective
SIP	Stormwater Improvement Project
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SVOC	Semivolatile Organic Compound
TAL	Target Analyte List
TCE	Trichloroethylene
TCL	Target Compound List
TCLP	Toxicity Characteristic Leachate Procedure
TPH	Total Petroleum Hydrocarbon
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VCA	Voluntary Cleanup Agreement
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound
WWTF	Wastewater Treatment Facility

ES EXECUTIVE SUMMARY

The following provides a brief summary of the controls implemented for the Site, as well as the inspections, monitoring, maintenance and reporting activities required by this Site Management Plan:

Site Identification:	C851031 Tioga Avenue Site
Institutional Controls:	1. The property may be used for commercial or industrial use;
	2. All ECs must be operated and maintained as specified in this SMP.
	3. All ECs must be inspected at a frequency and in a manner defined in this SMP.
	4. The use of groundwater, for potable purposes, is prohibited on the site without undergoing a NYSDEC and/or NYSDOH approved treatment, if necessary.
	5. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP.
	6. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP.
	7. All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP.
	8. Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP.
	9. Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP.
	10. Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

	11. All intrusive activity below the cover systems that will cause disturbance of historical fill soil must be conducted in accordance with the SMP and approved covers as described therein.	
	12. The use of vegetable gardens is prohibited on the site.	
Engineering Controls:	1. Cover system	
Inspections:		Frequency
1. Cover inspection (including monitoring for animal burrows or other damage)		Annually
Reporting:		
1. Periodic Review Report		Annually

Further descriptions of the above requirements are provided in detail in the latter sections of this Site Management Plan.

1.0 INTRODUCTION

1.1 General

This Site Management Plan (SMP) is a required element of the remedial program for the Tioga Avenue Site located in Corning, New York (hereinafter referred to as the "Site"). See Figure 1. The Site is currently in the New York State (NYS) Brownfield Cleanup Program (BCP), Site No. C851031, which is administered by New York State Department of Environmental Conservation (NYSDEC or Department).

Corning Property Management Corporation, a wholly owned subsidiary of Corning Incorporated (Corning) entered into a Brownfield Cleanup Agreement (BCA), Index #B8-0767-08-01, which was executed on August 22, 2008 with the NYSDEC to remediate the site. A figure showing the site location and boundaries of this site is provided in Figure 1. The boundaries of the site are more fully described in the metes and bounds site description that is part of the Environmental Easement provided in Appendix A.

After completion of the remedial work, some contamination was left at this site, which is hereafter referred to as "remaining contamination". Institutional and Engineering Controls (ICs and ECs) have been incorporated into the site remedy to control exposure to remaining contamination to ensure protection of public health and the environment. An Environmental Easement granted to the NYSDEC, and recorded with the Steuben County Clerk, requires compliance with this SMP and all ECs and ICs placed on the site.

This SMP was prepared to manage remaining contamination at the site until the Environmental Easement is extinguished in accordance with ECL Article 71, Title 36. This plan has been approved by the NYSDEC, and compliance with this plan is required by the grantor of the Environmental Easement and the grantor's successors and assigns. This SMP may only be revised with the approval of the NYSDEC.

It is important to note that:

- This SMP details the site-specific implementation procedures that are required by the Environmental Easement. Failure to properly implement the SMP is a violation of the Environmental Easement, which is grounds for revocation of the Certificate of Completion (COC); and

- Failure to comply with this SMP is also a violation of Environmental Conservation Law, 6 NYCRR Part 375 and the BCA (Index #B8-0767-08-01; Site #C851031) for the site, and thereby subject to applicable penalties.

All reports associated with the site can be viewed by contacting the NYSDEC or its successor agency managing environmental issues in New York State. A list of contacts for persons involved with the site is provided in Appendix B of this SMP.

This SMP was prepared by Integral Engineering, P.C., on behalf of Corning Property Management Corporation, a wholly owned subsidiary of Corning Incorporated, in accordance with the requirements of the NYSDEC's DER-10 ("Technical Guidance for Site Investigation and Remediation"), dated April 2019, and the guidelines provided by the NYSDEC. This SMP addresses the means for implementing the ICs and/or ECs that are required by the Environmental Easement for the site.

1.2 Revisions and Alterations

Revisions and alterations to this plan will be proposed in writing to the NYSDEC's project manager. The NYSDEC can also make changes to the SMP or request revisions from the remedial party. Revisions will be necessary upon, but not limited to, the following occurring: a change in media monitoring requirements, upgrades to or shutdown of a remedial system, post-remedial removal of contaminated sediment or soil, or other significant change to the site conditions. All approved alterations must conform with Article 145 Section 7209 of the Education Law regarding the application of professional seals and alterations. For example, any changes to as-built drawings must be stamped by a New York State Professional Engineer. In accordance with the Environmental Easement for the site, the NYSDEC project manager will provide a notice of any approved changes to the SMP, and append these notices to the SMP that is retained in its files.

1.3 Notifications

Notifications will be submitted by the property owner to the NYSDEC, as needed, in accordance with NYSDEC's DER – 10 for the following reasons:

1. 60-day advance notice of any proposed changes in site use that are required under the terms of the BCA, 6 NYCRR Part 375 and/or Environmental Conservation Law.
2. 7-day advance notice of any field activity associated with the remedial program.
3. 15-day advance notice of any proposed ground-intrusive activities pursuant to the Excavation Work Plan. If the ground-intrusive activity qualifies as a change of use as defined in 6 NYCRR Part 375, the above mentioned 60-day advance notice is also required.
4. Verbal notice within 48 hours of any emergency, such as a fire; flood; or earthquake that reduces or has the potential to reduce the effectiveness of ECs in place at the site, with written confirmation within 7 days that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.
5. Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action submitted to the NYSDEC within 45 days describing and documenting actions taken to restore the effectiveness of the ECs.

Any change in the ownership of the site or the responsibility for implementing this SMP will include the following notifications:

6. At least 60 days prior to the change, the NYSDEC will be notified in writing of the proposed change. This will include a certification that the prospective purchaser/Remedial Party has been provided with a copy of the BCA and all approved work plans and reports, including this SMP.
7. Within 15 days after the transfer of all or part of the site, the new owner's name, contact representative, and contact information will be confirmed in writing to the NYSDEC.

Table 1 on the following page includes contact information for the above notifications. The information on this table will be updated as necessary to provide accurate

contact information. A full listing of site-related contact information is provided in Appendix B.

Table 1: Notifications*

Name	**Contact Information**	**Required Notification****
NYSDEC Project Manager: Evelyn Hussey	(518) 402-6787 evelyn.hussey@dec.ny.gov	All Notifications
NYSDEC Project Manager's Supervisor: Samantha Salotto	(518) 402-9903 samantha.salotto@dec.ny.gov	All Notifications
NYSDEC Site Control: Leonard Zinoman	(518) 402-9716 leonard.zinoman@dec.ny.gov	Notifications 1 and 6
NYSDOH Project Manager: Johnathan Robinson	(518) 402-7860 johnathan.robinson@health.ny.gov	Notifications 2, 3, 4, and 5.

* Note: Notifications are subject to change and will be updated as necessary.

** Note: Numbers in this column reference the numbered bullets in the notification list in this section.

2.0 SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS

2.1 Site Location and Description

The site is located 152–182 East Tioga Avenue in the City of Corning, Steuben County, New York and is identified as Section 318.10 Block 01 and Lot 001.000 on the Steuben County Tax Map (see Appendix A). The site is an approximately 14.18-acre area and is adjacent to the Chemung River approximately 160 ft to the north and is contiguous (northeastern property boundary) with property currently owned by URS-2 (Corning) LLC, which is not affiliated with Corning Incorporated. The northern Site boundary is formed by railroad, flood control levee easements, and the URS-2 (Corning) LLC property, which isolate the Site from the Chemung River. The Site is bounded by Tioga Avenue to the south, Steuben Street to the east, and Chemung Street to the west (see Figure 2 – Site Layout Map). The boundaries of the site are more fully described in Appendix A – Environmental Easement. The owner of the site parcel at the time of issuance of this SMP is: Corning Property Management Corporation, a wholly owned subsidiary of Corning Incorporated.

A portion of the northern area of the BCP Site is currently occupied and operated by the adjacent property owner in areas adjacent to the plant they operate including the batch house used for the storage and "batching" of the solid raw materials used to manufacture glass products, the associated rail spur for delivery of batch materials, housed and unhoused materials storage areas (mostly for raw material/cullet storage), access ways to the those facilities from adjacent streets, and other supporting infrastructure such as electrical substations.

2.2 Physical Setting

2.2.1 Land Use

The Site consists of the following:

- A passive park, including a 0.5-mile concrete sidewalk loop and greenspace for day use. The park opened to the public in 2013.
- Active industrial space occupied and operated by the adjacent property owner, as described above.

The Site is zoned as "Industrial (I)" under the "City of Corning Zoning Map," which is on file and available to the public at the City Clerk office (Section 240-16, 12/5/2022), and the Site use is commercial and industrial.

The properties adjoining the Site and in the neighborhood surrounding the Site primarily include a mix of multiple residential, commercial, and industrial properties. The properties immediately south of the Site include commercial, and multiple residential apartments; the properties immediately north of the Site include a property zoned as industrial and public/conservation land adjacent to the Chemung River; the properties immediately east of the Site include: single- and two-family residences zoned as commercial properties; and the property to the west of the Site includes parking areas zoned as industrial and vacant public/conservation lands adjacent to the Chemung River.

2.2.2 Geology

The Site is located in the Chemung River valley within the Allegheny Plateau. The Allegheny Plateau is composed of relatively flat lying Devonian marine shales, siltstone and sandstones. The area was subjected to several glaciations beginning 2 million years ago that deepened and widened preexisting stream and river valleys. The most recent glacial event receded approximately 10,000 years ago and the melting ice deposited till and glaciolacustrine silts and clays. The Chemung River subsequently incised the valley and deposited alluvial sand and gravel on top of the glacial sediments. Bedrock may be up to 100 ft below ground surface (bgs) at the site (Miller et al. 1982).

Subsurface conditions on the Site generally consist of a mixture of fill materials placed over a long period of Site use. This material can be described as "historic fill material," which is defined as consisting of solid non-native material that was placed at a site to create usable land and potentially solid waste material including, but not limited to,

coal ash, wood ash, municipal solid waste incinerator ash, construction and demolition debris, dredged sediments, railroad ballast, refuse, and land clearing debris (NYSDEC 2010). Investigations performed indicate that historic fill is present below the existing ground covers and is present throughout the Site. This material is characterized as reworked soil intermixed with various materials including coal derived materials (dust, ash, and coal pieces), brick and other debris. The depth of fill on Site ranges in thickness from 1 to up to 14 ft bgs. During the 2009 Remedial Investigation, fill was observed up to 28 ft bgs in one location. The historic fill material is underlain by alluvial soils comprising sand and gravel deposits that are more than 70 ft deep. The alluvial materials that underlie the Site have characteristics similar to those of the Chemung River Valley regional groundwater aquifer. Subsurface conditions as they generally exist on the Site are shown in Figure 2, 3, and 4, and further detailed in the plan and profile drawings contained in the report on Remedial Investigations & Recommended Actions (Haley & Aldrich 2010) as referenced in Section 2.3 below.

A geologic cross section is shown in Figure 3. Site-specific boring logs are provided in Appendix C.

2.2.3 Hydrogeology

Groundwater on the Site is present at depths ranging from approximately 17 to 25 ft bgs. Groundwater at the Site generally flows in a west to east direction consistent with natural groundwater flow conditions within the Chemung River Valley.

A groundwater contour map is shown in Figure 4. Groundwater elevation data is provided in Table I. Groundwater monitoring well construction logs are provided in Appendix C.

A private well, previously used for irrigation purposes during redevelopment of the passive park remains on Site. This well has not been operational since September 2019.

2.3 Investigation and Remedial History

The following narrative provides a remedial history timeline and a brief summary of the available project records to document key investigative and remedial milestones for the Site. Full titles for each of the reports referenced below are provided in Section 8.0.

Prior to glass manufacturing, the Site was owned by different rail companies unaffiliated with Corning and used (1859–1929) as a railroad operations center, transportation hub, and railcar manufacturing and maintenance facility. The Site was used for glass manufacturing and related support operations beginning in 1929 at facilities collectively referred to as the "Fall Brook Facility," which included the "Fall Brook Plant," the adjacent "Pressware Plant," and the "Pressware West Plant." Operations at the Fall Brook Facility began in 1929 primarily to make glass tubing for television, lighting, automobiles, and other products. Operations took place in approximately 400,000 square feet of space in seven main buildings, including the glass manufacturing plant, the general machine shop, and the pilot plant. Raw materials for the glass were stored in silos and in the Mix House. The general machine shop and associated buildings were used for machining, milling, tool fabrication, carpentry, and masonry to support operations at the Fall Brook Facility and other Corning manufacturing facilities in the area.

In a 1967 document, *Report on Industrial Waste Water Discharges to the Chemung River from Corning Glass Works Plants Located in Corning, New York*, four outfalls (referred to as #1-4) were noted as being present along the south shore of the Chemung River and used to discharge industrial wastewater from the Fall Brook Facility. Outfall #1 was the northeastern most outfall and discharged waste generated from the Pressware Plant, which included chromic acid, oakite (proprietary alkaline detergent) and stripping solutions (NaOH) from mold plating operations; sulfuric acid and soda ash from mold shop deionizer; and cullet cooling water. In the mid-1970s after the construction of Outfall #001/1A, Outfall #1 was later referred to as Outfall 002.

Former Outfall #001/1A was a concrete vault drainage structure, located in the northeast corner of the Site along Steuben Street. This outfall has been out of operation (i.e., not receiving any flows) since 1977. Historical records indicate this structure formerly conveyed wastewater, consisting primarily of compressor condensate and non-

contact cooling water, to the City of Corning municipal storm sewer system, which also receives flow from various other inputs throughout the City of Corning. Further details on the closure of Outfall #001/1A and associated structures are noted on Figure 1 of the Report of the Former Outfall 001_1A (CGW) (Haley & Aldrich 2016) and are further detailed in Section 2.3.6 below.

Outfall #2 (later referenced as Outfall 003 and #9) discharged waste material generated from the Fall Brook Plant operations that included phosphate, sulfite morpholine from boiler blowdown; caustic alkalinity from sodium hydroxide and oakite rinse; brine for water softener regeneration; hydrofluoric acid neutralized with soda ash from the quartz area; sulfuric acid from the deionizer; glass fines from floor washing; Ivory liquid detergent from detergent washer; nitric acid from leaching neutralized with soda ash before discharge; ammonium bifluoride from tempering; glue composed of shellac and white resin, and borax glass cuttings and fines from the diode area. Outfall #2 became the main effluent line from the wastewater treatment facility (WWTF).

The Pressware West Plant, located in the western-most portion of the Fall Brook Facility, discharged wastewater through Outfalls #3 and #4. Waste material discharged from Outfall #3 (later referred to as Outfall 10) included water soluble oil from grinding rinse and coolant operations and cooling waters. Discharge from Outfall #4 (later referred to as Outfall 10A) included hydraulic oil from spinner pit cooling water, cullet, and equipment cooling water.

WWTF #1 was constructed in the mid-1960s or 1970 to treat onsite stormwater and process water from both Fall Brook and Pressware operations and an additional WWTF (#2) was built adjacent to the first in the 1980s (Haley & Aldrich 2007). WWTF #2 included chemical addition, flocculation, clarification, and filtration of the wastewater to be discharged (Obrien & Gere 1985). An SPDES permit (NY0003981), which was in effect until 1998, allowed effluent from the WWTF to be discharged to Outfalls 002 and 003; however, the WWTF discharged only to Outfall 002 (TRC 1993).

Manufacturing operations at the Fall Brook Plant were discontinued in 2002, and most buildings and facilities were demolished in 2007. The Pressware Plant was sold by Corning in 1998 and continues to manufacture consumer products today. Fall Brook Plant

influent stormwater from the Site to the WWTF ceased in November 2012 (Haley & Aldrich 2013b). Onsite stormwater and process wastewater sewers (excluding those operated by the adjacent property owner) have been cleaned to remove accumulated material as part of the building decommissioning process (ESA 2007). Under NYSDEC oversight, Corning completed additional cleaning and closure activities of stormwater infrastructure associated with the Fall Brook Plant and Pressware Plant between September 2012 and February 2013, and Corning provided a wastewater treatment facility closure report in February 2013 to document the closure of the WWTF and terminate the SPDES permit (Haley & Aldrich 2013b). While the WWTF has no current Site management implications and is not part of the onsite portion of C851031, a portion of the Chemung River is being investigated as part of the offsite investigation due to the facilities' historic treatment and discharge of water from the WWTF. Select storage buildings and other facilities associated with the WWTF remained on Site. In addition, the adjacent property owner continued its use of portions of the Corning property to facilitate the ongoing operations of their plant. The Site was redeveloped in 2012 and 2013 to repurpose from vacant industrial property into a passive park with green space, concrete walks, and associated amenities.

2.3.1 Preliminary RCRA Facility Assessment

In 1993, a Preliminary Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) was performed by TRC Environmental Corporation under contract to the U.S. Environmental Protection Agency (TRC 1993). The assessment identified eight areas of concern (AOCs) at the Site:

- Hazardous materials pen
- Former drum storage area
- Former fuel oil underground storage tank (UST) area
- WWTF sludge storage area
- Hazardous waste accumulation pad
- Electrostatic precipitators
- Baghouse dust collectors
- Paint shop accumulation area

The report identified the potential for past releases associated with the hazardous materials pen, the former drum storage area, and the former UST area. There was no evidence of release associated with the WWTF sludge storage area and the hazardous waste accumulation pad. The electrostatic precipitators and baghouse dust collectors were identified for potential fugitive air emissions but had no potential surface or subsurface releases. The paint shop accumulation area was identified as being located inside the facility in a fully enclosed basement with a concrete floor where wastes were well contained.

2.3.2 Environmental Site Assessments

In 2006, Haley & Aldrich conducted a Phase I environmental site assessment (ESA) before Corning decommissioned and demolished the Fall Brook Plant and Pressware West Plant (referred to as the Central Trades Building). The results of the Phase I ESA (Haley & Aldrich 2007) indicated the Site had a 150-year history of industrial activity. The report presented several recognized environmental conditions (RECs) that represented potential issues for the redevelopment of the site:

- Former Railroad Company Railcar and Engine Maintenance and Manufacturing Operations
- Former Drum Storage Area
- Former Fuel Oil USTs
- Former Gasoline UST
- TCE in Plant Water Supply Wells
- Acetone Drum Storage Near Multiform Office
- Acid Ampule Burial Area
- Former Septic System and Sewers
- Potential for Heavy Metals in Shallow Soils
- Former Above-Ground Fuel Oil Storage Tanks.

The report notes that little existing environmental sampling information was available and the ESA did not include any intrusive site investigation activities or sampling and analysis of environmental media (Haley & Aldrich 2009).

The report concluded that activities associated with railroad car and engine maintenance and manufacturing prior to Corning operations were the likely sources of ash and cinders that may be widespread in Site fill, and the railroad operations were also potential sources of contamination by petroleum products, paint materials, coal residues, and metals. Although Corning's subsequent 75-year-long glass-making operations at the Site were not chemical-intensive, certain operations involved the use of heavy metals, petroleum products, and hazardous substances that are known or suspected to be present on the Site.

A Phase II ESA was subsequently conducted by Haley & Aldrich and the results were reported in Section 3 of the April 2009 revised Remedial Investigation Work Plan (Haley & Aldrich 2009). This report identified the following areas, historic uses, or conditions as AOCs at the Site:

- Former Railroad Company Railcar and Engine Maintenance and Manufacturing Operations (site wide)
- Potential for Heavy Metals in Shallow Soils (site wide)
- Site Groundwater Quality/Trichloroethylene (TCE) in Plant Water Supply Wells (site wide)
- Hazardous Waste Storage Pad – AOC 2
- Former Hazardous Materials Drum Storage Pad – AOC 3
- Former Drum Storage Area – AOC 4
- Current Hazardous Materials Storage Building – AOC 5
- Former Fuel Oil Underground Storage Tanks (UST) – AOC 6
- Former Gasoline UST – AOC 7
- Former Fuel Oil Aboveground Storage Tank (AST) at Fire System Water Tank – AOC 8
- Former Fuel Oil AST at the General Machine Shop (GMS) Annex – AOC 9
- 1950s-era Oil Drum Storage House Located North of GMS Annex – AOC 10
- Areas of Oil Staining on the GMS Slab – AOC 11
- Area of Oil Staining on the Fall Brook Slab in the Gun Mounts Area – AOC 12

- Former Septic System & Storm Sewers – AOC 13
- Hydraulic System Pit for the GMS Dock Levelers – AOC 14
- Hydraulic Elevator Pits – AOC 15
- Boiler House Blow Down Pits – AOC 16
- Unidentified Pipe and Sump Outside the Mason Shop PP1 Building – AOC 17
- 1950s-era Acetone Drum Storage Near Multiform Office and 1930s-Era Acid Ampoule Burial Area – AOC 18
- 1950s-Era Paint Shed Northeast of Gate 3 – AOC 19
- 1950s-Era Arsenic Acid Bulk Storage Area – AOC 20
- 1950s-Era Cyanide Storage building Located at NW Corner of Central Trades – AOC 21

The intent of the Phase II ESA was to provide a preliminary assessment of contamination in near surface soil, subsurface soil, and groundwater on the Site within each of the AOCs. Phase II activities were performed in September and October 2007 at 45 soil boring locations and 6 permanent monitoring well locations. Investigations included characterization of historic fill present on the Site and preliminary assessment of groundwater quality conditions.

Shallow soil samples collected across the Site indicated that historic fill is ubiquitous on the property and is composed of a heterogeneous mixture of soil and non-soil materials containing ash, coal pieces, some brick and other materials to depths of up to 13 ft bgs.

Lead, arsenic, cadmium, barium, and antimony were identified as potential site-specific metals as they were components of raw materials used in glass manufacturing. All soil samples were analyzed for these metals. Samples taken near former petroleum storage facilities were analyzed for petroleum constituents. Some of the historic fill samples were analyzed for polycyclic aromatic hydrocarbons (PAHs) and any samples with elevated photoionization detector (PID) values were analyzed for volatile organic compounds (VOCs). Approximately 20 percent of samples were analyzed for "expanded parameters" that included USEPA Target Compound List (TCL) VOCs, TCL semivolatile organic

compounds (SVOCs), polychlorinated biphenyls (PCBs), organochlorine pesticides, EPA Target Analyte List (TAL) metals, total cyanide, and pH.

The results of the Phase II ESA soil analyses indicated that analyte concentrations were mostly below the 6 NYCRR Subpart 375-6 commercial and industrial soil cleanup objectives (SCOs). However, SCO exceedances were observed in:

- 10 of 47 samples for arsenic (commercial and industrial)
- 1 of 47 samples for lead (commercial)
- 1 of 47 samples for copper (commercial)
- 1 of 47 samples for mercury (commercial and industrial).

These exceedances did not show any spatial patterns, and there was no evidence of these metals impacting the underlying native soil or the groundwater on the Site.

The Phase II ESA observed apparent weathered petroleum impacts in the subsurface in areas of historic USTs, and limited detections of certain petroleum constituents above the commercial and industrial SCOs were not significant.

Six groundwater monitoring wells were widely spaced on the northern and southern property lines (see Figure 2). Groundwater data were evaluated relative to New York State Groundwater Standards for potable use as presented in the NYSDEC TOGS 1.1.1, June 1998 Edition with addenda through 2004 (Haley & Aldrich 2009). Two groundwater samples exceeded the TOGS 1.1.1. guidance criteria values for isopropylbenzene (5 µg/L). Samples were analyzed for the same analytes as for soil and the results indicated that the groundwater was not contaminated, beyond the isopropylbenzene exceedances described above, at those locations.

2.3.3 Remedial Investigation

Haley & Aldrich completed remedial investigation activities in 2009 and submitted a revised report in July 2010 (Haley & Aldrich 2010). The soil investigation consisted of 54 soil borings and 145 samples of historic fill. All soil and fill samples were analyzed for site-related metals (antimony, arsenic, barium, cadmium, and lead). Soils associated with

former fuel storage areas were analyzed for TCL VOCs and petroleum-related SVOCs. Native soils were analyzed for TCL VOCs, TCL SVOCs, TAL metals, and PCBs. The data were compared to risk-based SCOs as specified in 6 NYCRR Subpart 375-6 (NYSDEC 2006), assuming future land use would be commercial and/or industrial uses.

Seven additional groundwater monitoring wells were installed for a total of 13, including the Phase II ESA wells. Ten of the wells were installed to a depth of 17 to 25 ft bgs to sample shallow groundwater, and three were installed to assess groundwater at 60 to 70 ft bgs. Groundwater was analyzed for TAL metals, VOCs, and SVOCs.

The Remedial Investigation (RI) report identified arsenic and lead as contaminants of concern because arsenic was detected in soil at concentrations above commercial and SCOs and lead was detected above commercial SCOs. Below is a summary of chemicals of concern and their maximum concentrations as presented in the 2012 Decision Document (Appendix D).

SOIL:

(1) arsenic, exceeded commercial SCOs in 32 of 182 samples (32/182)

- max. concentration 250 ppm
- 25/32 0–1' bgs
- 7/32 below 1' bgs

(2) lead, exceeded commercial SCOs in 7 of 182 samples (7/182)

- max. concentration 3100 ppm
- 5/7 0-1' bgs
- 2/7 below 1' bgs

(3) lead failed TCLP in 2 of 3 soil samples (2/3)

- max. 361 mg/l
- 2/3 1–3' bgs
- both failure locations below commercial SCOs

(4) 1,1,1-TCA was positively detected in COMPOSITE soil samples (12/27)

- max. concentration 120 ppb (below protection of groundwater SCOs)[1]
- 10/27 0-4' bgs

(5) 1,2,4- trimethylbenzene(1/4)

- max. concentration 210 ppb

(6) isopropylbenzene (2/19)

- max. concentration 5.3 ppb

GROUNDWATER:

(1) 1,1,1-TCA was positively detected in shallow groundwater samples (5/16)

- max. concentration 2.5 ppb (below drinking water standards)

Historical fill from within the areas of former fuel storage (AOCs 6, 7 and 8) were stained and had petroleum odors, but there were no detectable petroleum constituents when analyzed. The RI report concluded that residual weathered petroleum substances likely remain in these areas and included this as a contaminant of concern because it represents a potential "nuisance" condition.

Metals in the groundwater were considered to represent ambient or background concentrations. There were no organic compounds detected in groundwater higher than SCOs except for an isolated detection of isopropylbenzene reported in two samples at levels slightly higher than drinking water standards. These samples were collected at locations within and downgradient of AOCs 6, 7, and 8 where petroleum substances were observed in subsurface soil/fill. Except for isopropylbenzene, there was little evidence that groundwater is adversely affected by petroleum constituents related to the former operations on the Site.

[1] The descriptor 'composite' is not defined in the Decision Document, and the maximum concentration of 1,1,1-TCA presented in the Decision Document does not match the data presented in the Report on Remedial Investigations and Recommended Remedial Actions for the Tioga Avenue Site (Haley and Aldrich 2010) and reproduced in this SMP (Table IV).

The RI report included an assessment of the potential for human or environmental risk posed by Site contaminants. The report concluded that the existing ground surface on the property effectively prevented human or environmental exposure to historic fill.

2.3.4 Alternatives Analysis Report

Haley & Aldrich submitted the final Alternatives Analysis Report (AAR) in December 2011. The primary objective of the AAR was to provide NYSDEC with sufficient information for consensus on the need and scope for remedial action at the Site. The AAR documented the assessment of remedial alternatives, a description of the selected remedy, and an implementation plan for environmental controls.

The AAR concluded that the hard surface that covers the Site is protective of human health and the environment and provides an acceptable EC that mitigates the potential for exposure to chemicals of concern that may exist within the underlying historic fill (Haley & Aldrich 2011).

2.3.5 Decision Document and Remediation

NYSDEC issued a Decision Document in February 2012 (NYSDEC 2012a) with the selected remedy of Track 4: Restricted use with site-specific soil cleanup objective. The elements of the remedy required that the existing site cover be maintained to allow for commercial or industrial use of the Site. The site cover can consist of the buildings, pavement, and sidewalks comprising the site development or a soil cover in areas where the upper 1 ft of exposed surface soil will exceed the applicable commercial and industrial SCOs. Vegetable gardens were prohibited. The remedy restricts the use of groundwater as a source of potable water. An SMP is required to maintain the site condition.

The Site was remediated in accordance with the remedy selected by the Decision Document. A final engineering report (FER; Haley & Aldrich 2012a) submitted in March 2012 described the clean soil cover and asphalt pavement that was placed in October and November 2011. The cover was placed on approximately 0.6 acre of the 14.18-acre Site under the Change of Use Notification submitted in September 2011. A geotextile was

installed on the ground surfaces not already covered by a barrier (e.g., asphalt or concrete), and then was covered with either a 12-in. thick layer of clean imported gravel, or 3 in. of clean imported gravel topped with a 1-1/2-in. thick layer of asphalt pavement. At the completion of the work, the Site cover system consisted of remaining concrete slabs from prior building foundations and related infrastructure; asphalt and gravel surfaces; active railroad grade including tracks and associated ballast; existing buildings of the adjacent property owner; and existing structures associated with the operating WWTF.

Following the FER, the Environmental Easement was filed and an SMP was implemented (Haley & Aldrich 2012b). The SMP requires:

- Use of site-wide ECs as defined in 6 NYCRR 375-3.8(e)(4) consisting of cover systems approved by NYSDEC to eliminate potential for direct contact with contaminants remaining on the Site. Cover systems must comprise components of existing or future property development (i.e., buildings, structures, concrete, gravel, asphalt or approved hard surfaces) or, if not otherwise covered by development components, with a minimum of 1 ft of clean soil underlain by a demarcation layer in accordance with 6 NYCRR 375-3.8(e)(4) as applicable to commercial property use.

- In addition to the cover systems identified above, a specifically identified portion of the Site contains lead in historic fill soil that is considered by NYSDEC to be potentially mobile if exposed to excessive surface water infiltration and this condition shall be mitigated by either a) placement of a low permeability cover system, or b) by excavation and removal of the lead containing historic fill soil that is defined to contain potentially mobile lead.

A portion of the Site was subsequently redeveloped into a passive park during the "Redevelopment Project" that was completed between June 2012 and October 2013 as described in the 2013 Construction Documentation Report (CDR; Haley & Aldrich 2013a). The Redevelopment Project included:

- Recycling and reusing concrete, asphalt, and other pre-existing Site cover materials, including crushed concrete above the demarcation layer as part of the newly constructed clean soil cover

- Removing and disposing of historic fill from the designated low permeability cover area south of the railroad tracks to eliminate the need for low permeability cover in that area in the future (site cover, per the SMP, is still required in this area)

- Closing the former Site sewer system and closing miscellaneous pipes and structures remaining from the former industrial facility

- Abandoning (closing) the site monitoring wells per applicable NYSDEC guidelines

- Installing a new storm drain system to manage site stormwater runoff

- Installing lawn areas, decorative landscaping, concrete walks, lighting, benches, and trash receptacles.

Contemporaneously with remedial actions and redevelopment activities, Corning completed physical closure of the WWTF (Haley & Aldrich 2013b). This work included:

- Filling approximately 4,480 ft of interconnected conveyance piping and 55 catch basins and manholes of the collection system
- Filling pipes and manholes of the treated water discharge system
- Removing equipment from the diversion structure and the wet well and backfilling with gravel
- Demolishing the engineering building/pump house and the equalization tank
- Emptying the metal treatment and block treatment buildings
- Removing the clarifiers and filling underground structures with gravel.

Following completion of this work, NYSDEC determined that the remedial objectives for a Track 4 remedy had been achieved for this Site and a COC was issued by NYSDEC on 18 April 2012.

2.3.6 Subsequent Remediation

At the time the COC was issued there was a small approximately 0.3-acre area of the 14.18-acre BCP Site that had not been remediated. Work within this small area in the northeast corner of the BCP Site was suspended to allow for development of work plans approvable by the Department for management of stormwater associated with the industrial activities of adjacent property owner, whose operations extended onto this small portion of the BCP Site. This small area comprises two buildings with intervening asphalt surfaces. The work included closing dry wells, closing drainage structures associated with Outfall 001/1A, constructing storm drainage system improvements, and replacing the low permeability cover in this area, and is described in further detail below, and sections 2.3.7 and 2.3.8 and in the Site Management Periodic Review Report & IC/EC Certification Submittal (Haley & Aldrich 2013 and 2014).

During installation of low permeability cover within the Site north of the railroad tracks, portions of previously closed USTs were uncovered. Based on contingency plan requirements of the SMP, NYSDEC was notified and removal actions were undertaken between May 7 and May 9, 2013 (Haley and Aldrich 2013a).

From June 2014 through September 2014, Corning completed the permanent closure of Chemung River Levee structures DS #9, #10, #10A (Haley & Aldrich 2014), referred to as Outfalls #2 (later 003), #3 and #4, respectively, in Section 2.3 above. The closure of the drainage structures and associated pipes was completed in accordance with the Closure Work Plan and Article 16 Permit Number 2013-06. The project work occurred in three phases: preparation, abandonment, and restoration. Preparation included the following:

- Cleaning and inspection of associated pipes
- Limited hand clearing of vegetation at outfall locations on levee slope
- Material import and disposal specification and approvals.

Abandonment included the following:

- Dismantling valve gates, stems, frames, and actuators
- Removing concrete headwalls and aprons
- Cutting back outfall pipes to achieve minimum 2 ft behind the face of the levee side slope

- Building bulkheads and pipe caps at pipe ends
- Pumping a total of approximately 66 cubic yards of flowable fill into the pipes and structures for abandonment
- Removing the tops of drainage structure vaults to approximately 2 ft below grade.

Restoration included the following:

- Off-hauling generated concrete and soil waste
- Restoring outfall/shoreline slopes with light stone fill (riprap)
- Backfilling vault locations with embankment fill and topsoil
- Restoring all construction work areas and vault locations with grass seed and mulch.

Also in 2014, the adjacent property owner implemented maintenance work on the railroad spur line serving the batch house in the northeast corner of the BCP Site. Work was conducted on the BCP Site in the area of low permeable cover shown on Figure 5. This work included removal and replacement of rail line ballast and ties, and repair work on track rails and switches. The work was confined to the railroad bed in an area defined as "railroad cover" site cover type. Waste materials generated from the BCP Site work consisting of rail ballast and debris were segregated in containers and transported offsite for disposal. Approximately 60 cubic yards of waste railroad ballast was transported and disposed of at the US Ecology facility in Detroit, Michigan. Waste railroad ties were transported to the Steuben County Landfill.

Corning completed investigation, characterization, and removal of piping entering former Outfall 001/1A (CGW) in 2015 (Haley & Aldrich 2016). The steel framed ports in a nearby structure were also removed in accordance with the SMP. The former outflow pipe was fitted with a removable plug and left in place as requested by NYSDEC on July 7, 2015. The Outfall structure box was also left in place. The pipe contents and soil below the excavated piping were analyzed for TAL metals and PCBs. The soil contained arsenic above both the commercial and industrial SCOs. and barium, cadmium, copper, lead, and mercury above the commercial but below the industrial SCOs.

Deteriorating asphalt south and west of the West Cullet Storage Building, north of the railroad track operated by the adjacent property owner, on the BCP Site was repaired in October 2015 by Corning in compliance with the SMP, following NYSDEC approval (Haley & Aldrich 2018). The existing asphalt surface was removed to the top of the subbase and replaced with Standard Duty Asphalt consisting of 3.0 in. of asphalt binder and 1.5 in of asphalt topcoat. No subbase material was removed, and no additional subbase material was imported and placed in this area. A sample of the waste asphalt was collected and analyzed for toxicity characteristic leaching procedure (TCLP) RCRA 8 metals. Results of the test indicated the material to be non-hazardous.

2.3.7 Stormwater Improvement Project and Structure Closures

Corning and adjacent property owner issued contracts to a single contractor for construction of the Stormwater Improvement Project (SIP) for the portions of the stormwater system on their respective properties (Haley & Aldrich 2018). Construction of the portion of the SIP on the Site began on September 25, 2017, with surface cover removal and excavation starting in the vicinity of the new Southeast Pump Station wet well. Excavation, installation, and backfill of the stormwater drainage structures and piping on the BCP Site continued through November 11, 2017.

Closure of two active drainage structures was completed in November 2017 by Corning in compliance with the SMP, following NYSDEC approval, and is further detailed in Appendix I of the Periodic Review Report & IC/EC Certification Submittal (PRR) (Haley & Aldrich 2018).

Closure of the structures was conducted on November 15, 16, and 17, 2017, and the following steps were implemented:

- Steel road plates covering the structures were removed and the steel drainage grates were pulled along with the filter fabric covering that was installed during the 2013 investigation program.

- Standing water in each structure was pumped out into the adjacent property stormwater treatment system.

- Approximately one-third cubic yard of accumulated cullet and sediment was removed from the bottom and stockpiled on poly.

- Each structure was filled with flowable fill concrete to within a few inches from the top and the steel drainage grates were placed back on top to help support future traffic loads.

- The existing asphalt surface in the surrounding area of the drainage structures was milled on November 16, 2017, to prepare the area for paving.

- A minimum of 1.5 in. of hot mix asphalt pavement was placed and compacted by Edger Enterprises on November 17, 2017. The asphalt was NYSDOT Type 6F top course and completely covered the drainage structures and surrounding milled area.

All excavated material from the BCP Site was taken offsite for final disposal and there was no reuse of excavated soils. Waste samples were analyzed for TCLP RCRA 8 metals, corrosivity, ignitability, reactive cyanide, reactive sulfide, total petroleum hydrocarbon (TPH), and percent solids. All waste material stockpiles were determined to be non-hazardous except for one, which exceeded the hazardous TCLP regulatory level for lead. All areas disturbed during the installation of the SIP were restored with an asphalt cover meeting the requirements for a low permeability cover system, as defined in this SMP.

2.3.8 Railroad Repairs

The adjacent property owner removed and replaced approximately 80 ft of damaged railroad track inside the existing batch house in the northeast corner of the Site that is used as part of their manufacturing operations. Corning notified NYSDEC of the intent to conduct repairs to the railroad in an email and SMP notification letter from Haley &

Aldrich on September 14, 2018. An approval was received on September 18, 2018, via email from NYSDEC.

Additionally, prior to the start of railroad track repair work two small holes were discovered in the pavement adjacent to the railroad tracks outside and west of the Batch House. Repair and stabilization of the voids was accomplished by the injection of flowable fill concrete. No excavation of materials was necessary to complete the repair work. NYSDEC was notified by email of the anticipated repair work on October 4, 2018 and work was completed on October 11, 2018. Further details regarding railroad track and asphalt replacement/repair work is detailed in the PRR (Haley & Aldrich 2018).

2.4 Remedial Action Objectives

The Remedial Action Objectives (RAOs) for the Site as listed in the Decision Document dated February 2012 are as follows:

2.4.1 Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.
-

2.4.2 Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

2.5 Remaining Contamination

2.5.1 Soil

Tables II, III, and IV and Figures 6A, 6B, 6C, 6D, 6E, and 7 are screened against unrestricted use, groundwater protection, commercial, and industrial SCOs. The following section summarizes the results of soil samples collected that exceed the commercial and industrial use SCOs at the Site after completion of remedial action activities.

As described in Section 2.3 above, historic fill on the Site contains chemicals of concern above commercial and industrial SCOs for this Site consisting of arsenic and lead within historic fill as shown on Figures 6B, 6C, 6D and 6E. Occurrences of the inorganic chemicals of concern (arsenic and lead) have been detected above commercial and industrial SCOs in a relatively small overall percentage of the historical fill samples on the Site. These detections have generally not been linked to any specific point sources or locations where grossly contaminated media have been identified based on extensive investigations across the Site. Rather, chemicals of concern have been detected above SCOs mostly, but not exclusively, within the upper fill strata (generally uppermost 4 ft) and that the distribution of arsenic and/or lead above SCOs is present across much of the Site. These conditions are confined to the historic fill and are not mobile or present in other media (underlying natural soil or groundwater). As detailed in Section 5.3 of the AAR, data indicate that historic fill is ubiquitous on the Site and is present at approximate depths ranging from approximately 1 to 14 ft in thickness (with up to 20 ft thickness at one of the boring locations). Statistics inferred from soil boring data and mapping of the Site using digital terrain modeling by Carlson Civil Suite for AutoCAD indicates an average thickness of historic fill of approximately 6 ft and associated volume of approximately 130,000 cubic yards.

The areas of the Site that contain residual petroleum impacts may represent nuisance conditions. These areas are located in specific areas of the Site where petroleum products were stored and used, and where impacts may remain as observed in the subsurface as described in Table III and shown on Figure 7.

Undisturbed native soil beneath the historic fill consists of poorly-graded to well-graded sand with varying amounts of gravel and a relatively low percentage of silt. Analysis of this medium has not identified the presence of contaminants, except possibly in the former petroleum storage areas where aesthetic petroleum conditions could be present as described above in Section 2.3 and shown on Figure 7 and described in Table III.

2.5.2 Groundwater

Groundwater is not adversely affected (i.e., as compared to NYSDEC screening criteria; NYSDEC 1998) by the presence of historical fill; however, degraded petroleum residuals have been observed/detected in shallow groundwater within the general areas shown on Figure 7. Groundwater in portions of the Site may also contain low levels of organic and inorganic substances that are attributed to or characteristic of the water quality in this general area of the City of Corning with some substances being potentially Site related. Two groundwater samples exceeded the TOGS 1.1.1 guidance criteria values for isopropylbenzene (5 µg/L), which are detailed in Table V and Figure 6F. A portion of the Site has been identified to contain lead at levels considered to be potentially mobile and as a result, the Site remedy requires adherence to the protection of groundwater SCO for this substance within a specified area of the Site as shown on Figure 6A. Information regarding the Site groundwater contour elevation data is provided in Figures 2, 3, and 4.

2.5.3 Surface Water

There are no surface waters on the Site.

2.5.4 Soil Vapor

Soil vapor was not sampled during the RI program as it was not deemed to be necessary at that time.

1,1,1-TCA, a Site-related COC, has been confirmed in shallow soil samples and detected in shallow groundwater along both the upgradient and downgradient perimeter of the Site at concentrations below comparison criteria. These low levels, combined with the

fact that proposed and current use of the Site does not involve construction of occupied structures, resulted in a determination that a vapor investigation was not warranted during the remedial investigation program. Means and methods to evaluate potential soil vapor risk and implement actions to address any potential soil vapor intrusion exposures will be developed, in consultation with NYSDEC, should future development involve construction of occupied buildings on the Site.

3.0 INSTITUTIONAL AND ENGINEERING CONTROL PLAN

3.1 General

Since remaining contamination exists at the site, Institutional Controls (ICs) and Engineering Controls (ECs) are required to protect human health and the environment. This IC/EC Plan describes the procedures for the implementation and management of all IC/ECs at the site. The IC/EC Plan is one component of the SMP and is subject to revision by the NYSDEC project manager.

This plan provides:

- A description of all IC/ECs on the site;
- The basic implementation and intended role of each IC/EC;
- A description of the key components of the ICs set forth in the Environmental Easement;
- A description of the controls to be evaluated during each required inspection and periodic review;
- A description of plans and procedures to be followed for implementation of IC/ECs, such as the implementation of the Excavation Work Plan (EWP) (as provided in Appendix E) for the proper handling of remaining contamination that may be disturbed during maintenance or redevelopment work on the site; and
- Any other provisions necessary to identify or establish methods for implementing the IC/ECs required by the site remedy, as determined by the NYSDEC project manager.

3.2 Institutional Controls

A series of ICs is required by the Decision Document to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination; and, (3) limit the use and development of the site to commercial or industrial uses only. Adherence to these ICs on the site is required by the Environmental

Easement and will be implemented under this SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The IC boundaries are shown in Appendix A – Environmental Easement. These ICs are:

- The property may be used for: commercial, or industrial use;
- All ECs must be operated and maintained as specified in this SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater, for potable purposes, is prohibited on the site without undergoing a NYSDEC and/or NYSDOH approved treatment, if necessary;
- Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
- All intrusive activity below the cover systems that will cause disturbance of historical fill soil must be conducted in accordance with the SMP and approved covers as described therein; and
- The use of vegetable gardens is prohibited on the site.

3.3 Engineering Controls

3.3.1 Cover

Exposure to remaining contamination at the site is prevented by cover systems placed over the site. The cover systems are comprised of varying thicknesses of soil cover over a demarcation layer; low permeability geosynthetic clay liner and soil cover; concrete floor slabs of existing buildings; asphalt surfaces; active railroad grade inclusive of tracks and associated ballast; and improvements on the Site including those that support ongoing operations of the adjacent property. A site cover currently exists and will be maintained to allow for commercial or industrial use of the site. Any site redevelopment will maintain a site cover, which may consist either of structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper 1 foot of exposed surface soil will exceed the applicable SCOs. Where a soil cover is required, it will be a minimum of 1 foot of soil, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for commercial OR industrial use. The soil cover will be placed over a demarcation layer, with the upper 6 inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6 NYCRR Part 375-6.7(d).

Figure 5 presents the location of the cover system and applicable demarcation layers, and Figure 8 presents cover system cross sections. The Excavation Work Plan (EWP) provided in Appendix E outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in Section 4.0 of this SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan (HASP) and associated Community Air Monitoring Plan (CAMP) prepared for the site and provided in Appendices G and H. Any breach of the site's cover system must be overseen by a Professional Engineer (PE) who is licensed and registered in New York State or a qualified person who directly reports to a PE who is licensed and registered in New York State.

Stormwater at the Site is managed by a series of catch basins and interconnected underground conveyance piping leading to an offsite NYSDEC-permitted outfall (owned and operated by the adjacent property owner, NY SPDES permit NY0246506) or to the municipal storm sewer system. The stormwater management system for the Site is shown on Figure 9. These stormwater conveyances and the associated regulatory permits and agency approvals to use these conveyances shall be maintained unless/until replaced by other systems as approved by the Qualified Environmental Professional (QEP) and the appropriate regulatory authorities. Any activity regarding the SPDES permitted facilities shall be coordinated and completed in accordance with the regulatory requirements administered by the NYSDEC Division of Water and any activity having the potential to mobilize contaminants to drains connected to the SPDES outfall must be coordinated with the NYSDEC DER PM and NYSDEC Division of Water as necessary for segregation, treatment, and/or appropriate effluent parameter limits/testing. Any activity regarding use of the municipal system shall be coordinated with the City of Corning as applicable.

State Pollutant Discharge Elimination System (SPDES) Permit NY0003981, held by Corning, for the former Fall Brook Plant was set to expire October 31, 2018. Corning submitted a letter to NYSDEC dated May 1, 2018, requesting relinquishment/termination of the SPDES Permit on or before May 4, 2018. The request documented that portions of the Former WWTF that once existed at the former Fall Brook Plant and Pressware West Plant had been closed in accordance with NYSDEC regulations. The NYSDEC confirmed in a letter dated May 29, 2018, to Corning that the SPDES Permit NY0003981 had been discontinued.

3.3.2 Criteria for Completion of Remediation/Termination of Remedial Systems

Generally, remedial processes are considered completed when monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.4 of NYSDEC DER-10. Unless waived by the NYSDEC,

confirmation samples of applicable environmental media are required before terminating any remedial actions at the site. Confirmation samples require Category B deliverables and a Data Usability Summary Report (DUSR).

The remedial party will also conduct any needed site restoration activities, such as asphalt patching. In addition, the remedial party will conduct any necessary restoration of vegetation coverage, trees and wetlands, and will comply with NYSDEC and United States Army Corps of Engineers regulations and guidance. Also, the remedial party will ensure that no ongoing erosion is occurring on the site.

3.3.2.1 – Cover

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in accordance with this SMP in perpetuity.

4.0 MONITORING AND SAMPLING PLAN

4.1 General

This Monitoring and Sampling Plan describes the measures for evaluating the overall performance and effectiveness of the remedy. This Monitoring and Sampling Plan may only be revised with the approval of the NYSDEC project manager.

This Monitoring and Sampling Plan describes the methods to be used for:

- Evaluating site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment;

To adequately address these issues, this Monitoring and Sampling Plan provides information on:

- Annual inspection and periodic certification.

Reporting requirements are provided in Section 7.0 of this SMP.

4.2 Site – Wide Inspection

Site-wide inspections will be performed at a minimum of once per year. These periodic inspections must be conducted when the ground surface is visible (i.e. no snow cover). Site-wide inspections will be performed by a qualified environmental professional as defined in 6 NYCRR Part 375, a Professional Engineer (PE) who is licensed and registered in New York State, or a qualified person who directly reports to a PE who is licensed and registered in New York State. Modification to the frequency or duration of the inspections will require approval from the NYSDEC project manager. Site-wide inspections will also be performed after all severe weather conditions that may affect ECs or monitoring devices. During these inspections, an inspection form will be completed as

provided in Appendix F – Site Management Forms. The form will compile sufficient information to assess the following:

- Compliance with all ICs, including site usage;
- An evaluation of the condition and continued effectiveness of ECs;
- General site conditions at the time of the inspection;
- Whether stormwater management systems, such as basins and outfalls, are working as designed;
- The site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection; and
- Confirm that site records are up to date.

Inspections of all remedial components installed at the site will be conducted. Inspections will include monitoring for animal burrows or other damage to the cover system, which will be repaired as necessary. A comprehensive site-wide inspection will be conducted and documented according to the SMP schedule, regardless of the frequency of the Periodic Review Report. The inspections will determine and document the following:

- Whether ECs continue to perform as designed;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of this SMP and the Environmental Easement;
- Achievement of remedial performance criteria; and
- If site records are complete and up to date.

Reporting requirements are outlined in Section 7.0 of this plan.

Inspections will also be performed in the event of an emergency. If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs that reduces or has the potential to reduce the effectiveness of ECs in place at the site, verbal notice to the

NYSDEC project manager must be given by noon of the following day. In addition, an inspection of the site will be conducted within 5 days of the event to verify the effectiveness of the IC/ECs implemented at the site by a qualified environmental professional, as defined in 6 NYCCR Part 375. Written confirmation must be provided to the NYSDEC project manager within 7 days of the event that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public. The remedial party will submit follow-up status reports to the NYSDEC within 45 days of the event on actions taken to respond to any emergency event requiring ongoing responsive action, describing and documenting actions taken to restore the effectiveness of the ECs.

4.3 Groundwater Sampling

Groundwater monitoring is not required as part of this SMP. However, future groundwater monitoring may be considered if permanent alterations of the cover systems are conducted that could potentially affect the long-term protectiveness of the remedy. Specifically, consideration of future groundwater monitoring will apply in areas of the Site where low permeable cover systems are required (as shown in Figure 5) to the extent that the control systems (low permeable ground covers) are permanently removed and contaminants (lead or arsenic) remain within the underlying historic fill above relevant comparison criteria (i.e., groundwater protection SCOs). As applicable, such future monitoring program will require approval from the NYSDEC project manager.

5.0 OPERATION AND MAINTENANCE PLAN

5.1 General

The site remedy does not rely on any mechanical systems, such as groundwater treatment systems, sub-slab depressurization systems or air sparge/soil vapor extraction systems to protect public health and the environment. Therefore, the operation and maintenance of such components is not included in this SMP.

6.0 PERIODIC ASSESSMENTS/EVALUATIONS

6.1 Climate Change Vulnerability Assessment

Increases in both the severity and frequency of storms/weather events, an increase in sea level elevations along with accompanying flooding impacts, shifting precipitation patterns and wide temperature fluctuation, resulting from global climactic change and instability, have the potential to significantly impact the performance, effectiveness and protectiveness of a given site and associated remedial systems. Vulnerability assessments provide information so that the site and associated remedial systems are prepared for the impacts of the increasing frequency and intensity of severe storms/weather events and associated flooding.

This section provides a current vulnerability assessment that evaluates the vulnerability of the site and/or engineering controls to severe storms/weather events and associated flooding.

The following information was reviewed to support the climate vulnerability assessment:

Risk Factor for Corning, NY (riskfactor.com)

FEMA Flood Insurance Rate Map (FIRM), City of Corning, New York, Steuben County, Community Panel Number 3607720001E. Revised September 27, 2002.

Based on this information, potential vulnerabilities in the area are as follows:

- Floods—The city of Corning has a major risk of flooding over the next 30 years. The Site has a low likelihood (less than 0.2 percent) of severe flooding, an event that has the same likelihood of occurrence within 1 year and 30 years. The Site is not located within the floodplain.
- Wildfire—There is a moderate risk of wildfires in the city of Corning, with minimal change in risk factor over the next 30 years.
- Wind—the city of Corning has minimal wind risk, with a low likelihood of impacts from hurricane, tornado, or severe storm winds.

- Air—the city of Corning has minimal risk from air quality, with the number of poor air quality days with an Air Quality Index over 100 anticipated to be higher in 30 years.
- Heat—the city of Corning has moderate risk from heat, with increasing average temperatures over the next 30 years.

Given that there are no remedial structures or operations on the Site, the only relevant potential vulnerability is severe rain events that could cause flooding and potential erosion of the cover system. The Site is currently protected by a cover system that could be subject to erosion due to high stormwater flows; however, exposure of contaminated material is unlikely. No erosion has been observed on the Site to date.

The Site is not located within a floodplain and is protected from flooding due to elevated flows in the Chemung River by a flood control levee.

As per the requirements of the SMP, a Site inspection will be performed following a natural disaster within 5 days of the event to verify the effectiveness of the Site remedy.

6.2 Green Remediation Evaluation

NYSDEC's DER-31 Green Remediation requires that green remediation concepts and techniques be considered during all stages of the remedial program including site management, with the goal of improving the sustainability of the cleanup and summarizing the net environmental benefit of any implemented green technology. This section provides an environmental footprint analysis of the remedy, as implemented at the time of this SMP. This section of the SMP also provides a summary of green remediation evaluations to be completed for the site during site management and reported in Periodic Review Reports (PRRs).

The Site has a minimal to non-existent environmental footprint, with a passive, non-mechanical cover system and very limited ongoing management, which consists of an annual inspection and maintenance/repairs as needed (e.g., reseeding following snow plow

damage). The restoration of the former facility to a park, providing vegetation and open space, offsets the minimal resources expended to maintain the Site.

7.0. REPORTING REQUIREMENTS

7.1 Site Management Reports

All site management inspection, maintenance and monitoring events will be recorded on the appropriate site management forms provided in Appendix F. These forms are subject to NYSDEC revision. All site management inspection, maintenance, and monitoring events will be conducted by a qualified environmental professional as defined in 6 NYCRR Part 375, a Professional Engineer (PE) who is licensed and registered in New York State, or a qualified person who directly reports to a PE who is licensed and registered in New York State (depending on the need to evaluate engineering controls).

All applicable inspection forms and other records, including media sampling data and system maintenance reports, generated for the site during the reporting period will be provided in electronic format to the NYSDEC in accordance with the requirements summarized in the Periodic Review Report.

Table 2: Schedule of Interim Monitoring/Inspection Reports

Task/Report	Reporting Frequency*
Periodic Review Report	Annually, or as otherwise determined by the NYSDEC

* The frequency of events will be conducted as specified until otherwise approved by the NYSDEC project manager.

All interim monitoring/inspections reports will include, at a minimum:

- Date of event or reporting period;
- Name, company, and position of person(s) conducting monitoring/inspection activities;
- Description of the activities performed;

- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet);

- Copies of all field forms completed (e.g., well sampling logs, chain-of-custody documentation);

- Any observations, conclusions, or recommendations; and

Routine maintenance event reporting forms will include, at a minimum:

- Date of event;

- Name, company, and position of person(s) conducting maintenance activities;

- Description of maintenance activities performed;

- Any modifications to the system;

- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet); and

- Other documentation such as copies of invoices for maintenance work, receipts for replacement equipment, etc., (attached to the checklist/form).

Non-routine maintenance event reporting forms will include, at a minimum:

- Date of event;

- Name, company, and position of person(s) conducting non-routine maintenance/repair activities;

- Description of non-routine activities performed;

- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents (included either on the form or on an attached sheet); and

- Other documentation such as copies of invoices for repair work, receipts for replacement equipment, etc. (attached to the checklist/form).

7.2 Periodic Review Report

A Periodic Review Report (PRR) will be submitted to the NYSDEC project manager beginning eighteen (18) months after the Certificate of Completion is issued. After submittal of the initial Periodic Review Report, the next PRR shall be submitted annually to the NYSDEC project manager or at another frequency as may be required by the NYSDEC project manager. In the event that the site is subdivided into separate parcels with different ownership, a single Periodic Review Report will be prepared that addresses the site described in Appendix A -Environmental Easement. The report will be prepared in accordance with NYSDEC's DER-10 and submitted within 45 days of the end of each certification period. Media sampling results will also be incorporated into the Periodic Review Report. The report will include:

- Identification, assessment and certification of all ECs/ICs required by the remedy for the site.
- Results of the required annual site inspections and severe condition inspections, if applicable.
- Description of any change of use, import of materials, or excavation that occurred during the certifying period.
- All applicable site management forms and other records generated for the site during the reporting period in the NYSDEC-approved electronic format, if not previously submitted.
- Identification of any wastes generated during the reporting period, along with waste characterization data, manifests, and disposal documentation.
- A summary of any discharge monitoring data and/or information generated during the reporting period, with comments and conclusions.
- Data summary tables and graphical representations of contaminants of concern by medium (groundwater, soil vapor, etc.), which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted. These tables and figures will include a presentation of past data as part of an evaluation of contaminant concentration trends, including but not limited to:

- Trend monitoring graphs that present groundwater contaminant levels from before the start of the remedy implementation to the most current sampling data;
- Trend monitoring graphs depicting system influent analytical data on a per event and cumulative basis;
- O&M data summary tables;
- A current plume map for sites with remaining groundwater contamination; and
- A groundwater elevation contour map for each gauging event.

- Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted in digital format as determined by NYSDEC. Currently, data are supplied electronically and submitted to the NYSDEC EQuIS™ database in accordance with the requirements found at this link: http://www.dec.ny.gov/chemical/62440.html.

- A site evaluation, which includes the following:
  - The compliance of the remedy with the requirements of the site-specific Remedial Action Work Plan (RAWP), ROD or Decision Document;
  - Any new conclusions or observations regarding site contamination based on inspections or data generated by the Monitoring and Sampling Plan for the media being monitored;
  - Recommendations regarding any necessary changes to the remedy and/or Monitoring and Sampling Plan;
  - An update to the climate change vulnerability assessment if site or external conditions have changed since the previous assessment, and recommendations to address vulnerabilities;
  - An evaluation of trends in contaminant levels in the affected media to determine if the remedy continues to be effective in achieving remedial goals as specified by the RAWP, ROD or Decision Document; and
  - The overall performance and effectiveness of the remedy.

7.2.1 Certification of Institutional and Engineering Controls

Following the last inspection of the reporting period, a qualified environmental professional as defined in 6 NYCRR Part 375 or Professional Engineer licensed to practice and registered in New York State will prepare, and include in the Periodic Review Report, the following certification as per the requirements of NYSDEC DER-10:

"*For each institutional or engineering control identified for the site, I certify that all of the following statements are true:*

- *The inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;*
- *The institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by the Department;*
- *Nothing has occurred that would impair the ability of the control to protect the public health and environment;*
- *Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control;*
- *Access to the site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;*
- *If a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document;*
- *Use of the site is compliant with the environmental easement;*
- *The engineering control systems are performing as designed and are effective;*
- *To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program and generally accepted engineering practices; and*
- *The information presented in this report is accurate and complete.*

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor,

pursuant to Section 210.45 of the Penal Law. I, [name], of [business address], am certifying as [Owner/Remedial Party or Owner's/Remedial Party's Designated Site Representative] "

"I certify that the New York State Education Department has granted a Certificate of Authorization to provide Professional Engineering services to the firm that prepared this Periodic Review Report."

For BCP projects, every 5 years, the following certification will be added:

- *The assumptions made in the qualitative exposure assessment remain valid.*

The signed certification will be included in the Periodic Review Report.

The Periodic Review Report will be submitted, in electronic format, to the NYSDEC project manager and the NYSDOH project manager. The Periodic Review Report may also need to be submitted in hard-copy format if requested by the NYSDEC project manager.

7.3 Corrective Measures Work Plan

If any component of the remedy is found to have failed, or if the periodic certification cannot be provided due to the failure of an institutional or engineering control or failure to conduct site management activities, a Corrective Measures Work Plan will be submitted to the NYSDEC project manager for approval. This plan will explain the failure and provide the details and schedule for performing work necessary to correct the failure. Unless an emergency condition exists, no work will be performed pursuant to the Corrective Measures Work Plan until it has been approved by the NYSDEC project manager.

8.0 REFERENCES

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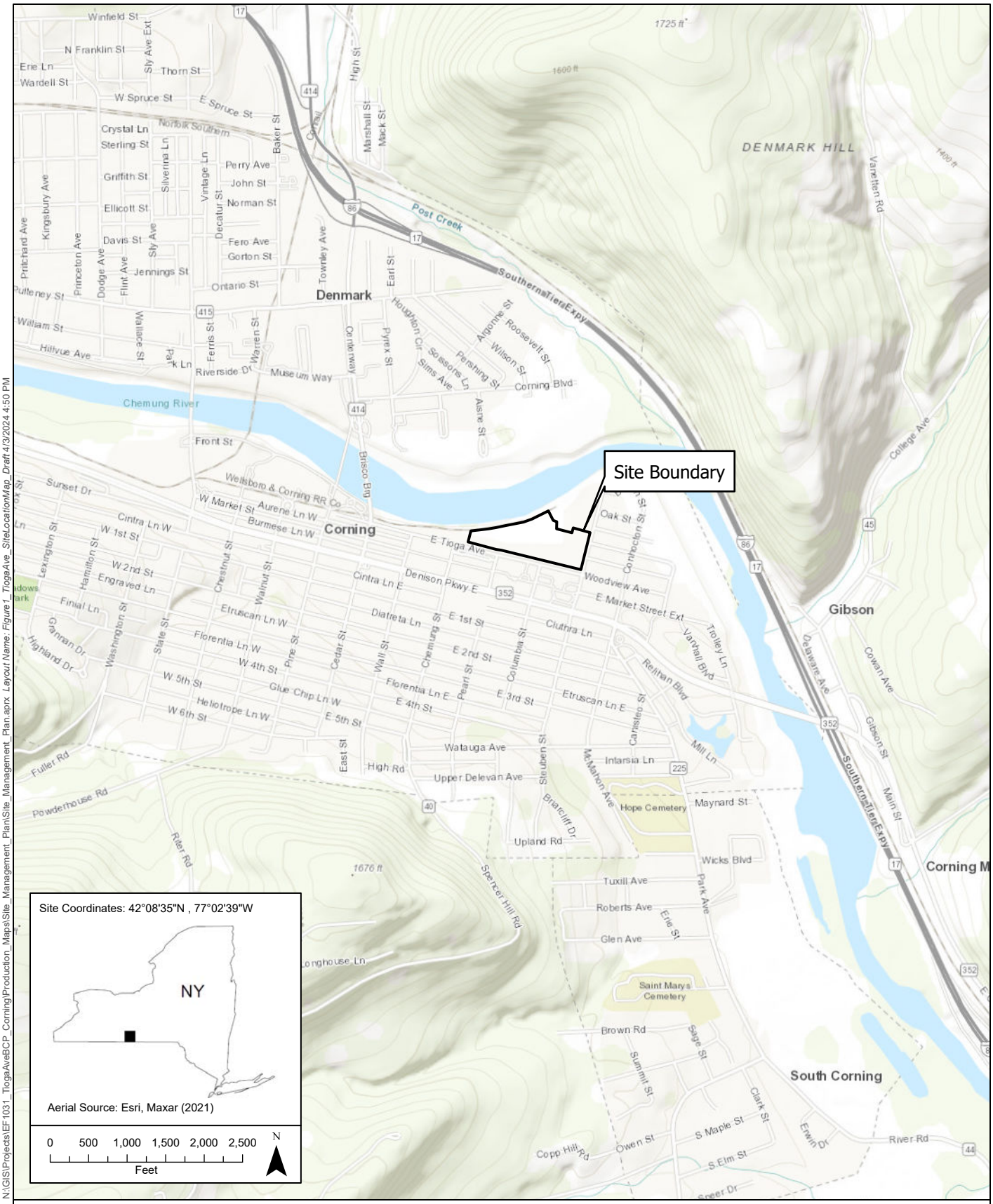
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FIGURES



N:\GIS\Projects\EF1031_TiogaAveBCP_Corning\Production_Maps\Site_Management_Plan\Site_Management_Plan.aprx *Layout Name: Figure 1_TiogaAve_SiteLocationMap_Draft* 4/3/2024 4:50 PM

integral engineering p.c.

Figure 1.
Site Location Map
Tioga Avenue BCP Site #C851031
Site Management Plan

CHEMUNG RIVER

TOP BANK

FLOOD CONTROL

FLOOD CONTROL EASEMENT

CENTER DIKE

SUB-STATION

WORLD KITCHEN LLC

WASTE WATER TREATMENT PLANT

CHAIN LINK FENCE

WATER TANK PAD

STORMWATER EQUALIZATION WATER TANK (EXISTING)

PARCEL #1 BOUNDARY

SPOIL AREA

GENERAL MACHINE SHOP BLDG.

MASON SHOP

FALL BROOK MAIN BLDG.

FALL BROOK WARE-HOUSE BLDG.

FALL BROOK TANK AREA

FORMER BATCH MATERIAL STORAGE

RECONSTRUCTED BATCH UNLOADING FACILITIES

LARGER GROUND ENGAGEMENT GRID

SHIPPING DOCK

SILO

CONCRETE PAD

CONC. WALL

CULVERT

U/G CONDUIT

OIL TANK U/G TANK 3

BOILER HSE.

BOILER PIT

METAL COVER

BAG HSE.

WELL HOUSE #1

WELL HOUSE #5

LAB

OFFICE

GATE 1

GATE 3

GATE 4

GUY WIRE EASE. TO NYSEG L.331,P.688

EASEMENT FROM CITY OF ELMIRA TO CORNING L.1743,P.257 BURIED CABLE

NYSEG 4280

NYSEG BRO 4291 NYT 403

POINT OF BEGINNING PARCEL #1

COMMENCING POINT PARCEL #2

COMMERCE STREET

STEUBEN STREET

TIOGA AVE.

STREET RIGHT OF WAY

CURB

CUT

PARCEL #1
14.183 acres
617,820 sq. ft.

B121 EL = 927.78
B122 EL = 927.82
B123 EL = 929.09
B124 EL = 927.55
B125 EL = 927.23
B126 EL = 927.18
B127 EL = 927.21
B128 EL = 926.92
B129 - MW EL = 926.95 EL TOP RISER = 929.31
B130 EL = 926.92
B131 EL = 928.33
B132 EL = 928.24
B133 EL = 926.93
B134 EL = 928.10
B135 EL = 927.58
B136 EL = 928.55
B137 EL = 928.28
B138 EL = 927.85
B139 EL = 927.75
B140 EL = 927.67
B141 EL = 927.83
B142 EL = 928.51
B143 - MW EL = 928.89 EL TOP RISER = 928.43
B144 - MW EL = 927.88 EL TOP RISER = 927.40
B145 - MW EL = 927.15 EL TOP RISER = 926.66
B146 - MW/ EL = 924.21 EL TOP RISER = 923.78
B147 - MW EL = 924.22 (APPROX.) EL TOP RISER = 923.72
B201 EL=927.85
B202 EL=927.83
B203 EL=927.82
B204 EL=927.82
B205 EL=927.78
B206 EL=925.99
B207 EL=927.72
B208 EL=927.27
B209 EL=927.59
B210 EL=927.88
B211 EL=923.68
B212 EL=925.70
B213 EL=927.40
B214 EL=927.93
B215 EL=928.03
B216 EL=927.85
B217 EL=927.91
B218 EL=928.04
B219 EL=927.58
B220 EL=928.74
B221 EL=927.16
B222 EL=926.47
B223 EL=927.34
B224 EL=927.43
B225 EL=927.95
B226 EL=928.03
B227 EL=927.62
B228 EL=927.71
B229 EL=927.95
B230 EL=927.90
B231 EL=928.03
B232 EL=927.95
B233 EL=927.66
B234 EL=927.89
B235 EL=925.74
B236 EL=927.20
B237 EL=927.80
B238 EL=927.87
B239 EL=927.95
B240 EL=927.83
B241 EL=927.64
B242 EL=925.30
B243 EL=927.03
B244 EL=928.21
B245 EL=928.75
B246-MW EL=927.85 EL TOP RISER=927.46
B247-MW EL=927.92 EL TOP RISER=927.33
B248-MW EL=924.95 EL TOP RISER=924.64
B249-MW EL=928.73 EL TOP RISER=928.37
B250-MW EL=928.02 EL TOP RISER=927.56
B251-MW EL=928.79 EL TOP RISER=928.48
B252-MW EL=927.14 EL TOP RISER=927.27
B253 EL=927.29
B254 EL=927.30
B255 EL=927.65
B256 EL=927.64
B257 EL=927.85
B258 EL=928.39
B259 EL=927.89
B260 EL=927.86
B261 EL=927.48
B100 EL=927.81
B101 EL=927.82
B102 EL=927.87
B103 EL=927.90
B104 EL=927.88
B105 EL=927.87
B106 EL=927.78
B107 EL=927.91
B108 EL=927.82
B109 EL=927.83
B110 EL=928.09
B111 EL=928.11
B112 EL=927.73
B113 EL=927.82
B114 EL=927.94
B115 EL=927.96
B116 EL=927.94
B117 EL=927.45
B118 EL=927.22
B119 EL=927.49
B120 EL=927.69

AOC 2
AOC 3
AOC 4
AOC 5
AOC 6
AOC 7
AOC 8
AOC 9
AOC 10
AOC 11
AOC 12
AOC 13
AOC 14
AOC 15
AOC 16
AOC 17
AOC 18
AOC 19
AOC 20
AOC 21
AOC RR Operations

A
A'
B
B'

LEGEND

- COMPUTED POINT
- POLE
- CB — CATCH BASIN
- MH — MANHOLE
- CHAIN LINK FENCE
- AOC 6 — PHASE II ESA ENVIRONMENTAL "AREA OF CONCERN"
- B135 EL = 927.58 — TEST BORING PERFORMED BY HALEY & ALDRICH DURING THE PERIOD 10 THROUGH 21 SEPTEMBER 2007. EL = GROUND SURFACE ELEVATION.
- B146 - MW EL = 924.21 EL TOP RISER = 923.78 — GROUNDWATER MONITORING WELL BY HALEY & ALDRICH DURING THE PERIOD 10 THROUGH 21 SEPTEMBER 2007. EL = GROUND SURFACE ELEVATION. EL TOP RISER= TOP OF RISER ELEVATION.
- B-201 EL=925.70 — TEST BORING INSTALLED BY HALEY & ALDRICH DURING THE MONTH OF OCTOBER 2009. EL = GROUND SURFACE ELEVATION.
- B246-MW EL=924.98 EL TOP RISER=924.64 — BCP REMEDIAL INVESTIGATION MONITORING WELL INSTALLED BY HALEY & ALDRICH DURING THE MONTH OF OCTOBER 2009. EL = GROUND SURFACE ELEVATION. EL TOP RISER= TOP OF RISER ELEVATION.
- TIOGA AVENUE BCP SITE BOUNDARY
- A —— A' SUBSURFACE PROFILE LINE

NOTES:

1. PLAN ADAPTED FROM A PLAN ENTITLED "CORNING PROPERTY MANAGEMENT CORP. (FALLBROOK PLANT)", JOB NO. 13989.10, DATED REVISED 18 DECEMBER 2009, BY WEILER ASSOCIATES.
2. SITE SURVEY PERFORMED BY WEILER ASSOCIATES OF HORSEHEADS, NY BASED ON NAD83 AND NAVD88 USING CORS STATION AT COOPER PLAINS AS CONTROL.
3. SITE WAS UNDER DEMOLITION AT TIME OF SURVEY. ALL BUILDING LOCATIONS AND OTHER FEATURES SHOULD BE CONSIDERED APPROXIMATE AND MAY NO LONGER EXIST.

N
W E
S

0 60 120 180 240
SCALE IN FEET

NOTE: FIGURE FROM HALEY & ALDRICH (2019)

REV	DATE	DESCRIPTION	APP

integral consulting inc.
31 WEST 34th STREET, SUITE 7196
NEW YORK, NY 10018
www.integral-corp.com

CORNING INCORPORATED

SITE MANAGEMENT PLAN

CORNING NY

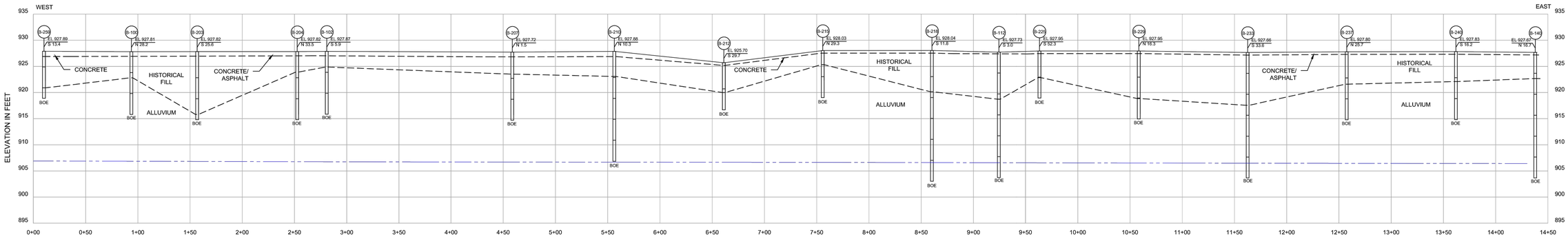
DRN	CZ	DATE	3-15-2024
DES		DATE	
CHK		DATE	

SITE LAYOUT MAP

FIGURE

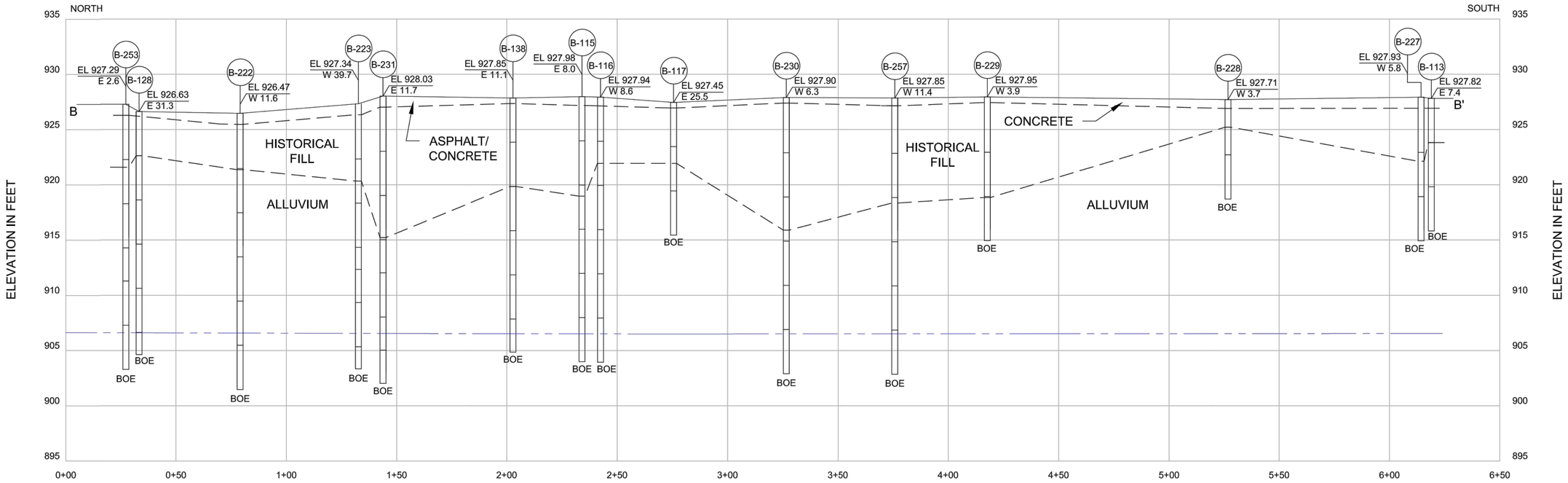
2

N:\GIS\Projects\EF1031_TiogaAveBCP_Corning\CAD\SMP\Figure 2 - Site Layout Map.dwg 4/5/2024 4:05:10 PM



SECTION A-A'

HORIZ. 0 50 100 150 200
VERT. 0 10 20 30 40



SECTION B-B'

HORIZ. 0 25 50 75 100
VERT. 0 5 10 15 20

B-120 — BORING DESIGNATION
EL 927.69 N 2.2 — APPROXIMATE GROUND SURFACE ELEVATION; OFFSET BETWEEN BORING AND LINE OF SUBSURFACE PROFILE
INTERPRETED GEOLOGIC STRATUM INTERFACE
ESTIMATED WATER LEVEL
BOE — BOTTOM OF EXPLORATION

NOTES:

1. REFER TO HALEY & ALDRICH OF NEW YORK FIGURE 3, SITE PLAN, FEBRUARY 2010. ELEVATIONS ARE IN FEET. SITE SURVEY PERFORMED BY WEILER ASSOCIATES OF HORSEHEADS, NY BASED ON NAD83 AND NADV88 USING CORS STATION AT COOPER PLAINS AS CONTROL.
2. OFFSET DISTANCES INDICATED ARE MEASURED FROM THE PLAN ELEVATION OF THE PROFILE LINE, PERPENDICLUAR TO THE LINE.
3. REFER TO THE REPORT APPENDICES FOR BORING LOGS.
4. REFER TO THE REPORT TEXT FOR MORE DETAILED SOIL STRATUM DESCRIPTIONS AND THE GEOPROBE BORING LOGS FOR DETAILED SAMPLE DESCRIPTIONS.
5. SUBSURFACE PROFILES DEPICT THE GENERAL GEOLOGIC CONDITIONS AT THE SITE AND ARE BASED ON INTERPRETATION OF DATA ENCOUNTERED IN THE EXPLORATIONS. LINES REPRESENTING INTERFACES BETWEEN STRATA ON THE PROFILE ARE BASED ON ADJACENT BORINGS. THE BORING STICK SHOWS THE INTERPRETED SEQUENCE OF STRATA ENCOUNTERED AT THAT LOCATION. ACTUAL SOIL CONDITIONS AND INTERFACES BETWEEN EXPLORATIONS MAY VARY SIGNIFICANTLY FROM THOSE INDICATED ON THE PROFILES.
6. ESTIMATED WATER LEVEL BASED ON CONTOURED INTERVAL OF MEASURED DEPTH TO WATER ON 5 NOVEMBER 2009 AT SITE MONITORING WELLS. REFER TO HALEY & ALDRICH OF NEW YORK FIGURE 5, GROUNDWATER CONTOUR PLAN, FEBRUARY 2010 .

NOTE: FIGURE FROM HALEY & ALDRICH (2019)

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integral consulting inc.
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NEW YORK, NY 10018
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CORNING INCORPORATED

SITE MANAGEMENT PLAN

CORNING NY

DRN	DATE
CZ	3-15-2024
DES	DATE
CHK	DATE

GEOLOGIC CROSS SECTION

FIGURE

3

N:\GIS\Projects\EF1031_TiogaAveBCP_Corning\CAD\SMP\Figure 3 - Cross Sections.dwg 4/10/2024 2:19:43 PM

CHEMUNG RIVER

WORLD KITCHEN LLC

WASTE WATER TREATMENT PLANT

TOP BANK

FLOOD CONTROL

FLOOD CONTROL EASEMENT

CENTER DIKE

SUB-STATION

PARCEL #1
14.183 acres
617,820 sq. ft.

PARCEL #1 BOUNDARY

AOC 2
AOC 3
AOC 4
AOC 5
AOC 6
AOC 7
AOC 8
AOC 10
AOC 11
AOC 12
AOC 13
AOC 14
AOC 15
AOC 16
AOC 17
AOC 18
AOC 19
AOC 20
AOC 21
AOC RR Operations

B101 EL = 927.82
B102 EL = 927.87
B103 EL = 927.90
B104 EL = 927.88
B105 EL = 927.87
B106 EL = 927.78
B107 EL = 927.91
B108 EL = 927.82
B109 EL = 927.83
B110 EL = 928.09
B111 EL = 928.11
B112 EL = 927.73
B113 EL = 927.82
B115 EL = 927.98
B116 EL = 927.94
B117 EL = 927.45
B118 EL = 927.22
B119 EL = 927.49
B120 EL = 927.69
B121 EL = 927.78
B122 EL = 927.82
B123 EL = 929.09
B124 EL = 927.55
B126 EL = 927.18
B129 - MW EL = 926.95 EL TOP RISER = 929.31
B130 EL = 926.82
B131 EL = 928.32
B132 EL = 928.24
B133 EL = 926.93
B134 EL = 928.10
B135 EL = 927.58
B136 EL = 928.55
B137 EL = 928.28
B138 EL = 927.85
B140 EL = 927.67
B141 EL = 927.83
B143 - MW EL = 928.89 EL TOP RISER = 928.43
B144 - MW EL = 927.88 EL TOP RISER = 927.40
B145 - MW EL = 927.15 EL TOP RISER = 926.66
B146 - MW EL = 924.21 EL TOP RISER = 923.78
B147 - MW EL = 924.22 (APPROX.) EL TOP RISER = 923.72
B152 EL = 928.51
B201 EL=927.85
B202 EL=927.83
B203 EL=927.82
B204 EL=927.82
B205 EL=927.78
B206 EL=925.99
B207 EL=927.72
B208 EL=927.27
B209 EL=927.59
B210 EL=927.88
B211 EL=923.68
B212 EL=925.70
B213 EL=927.40
B214 EL=927.93
B215 EL=928.03
B216 EL=927.85
B217 EL=927.91
B218 EL=928.04
B219 EL=927.58
B220 EL=928.74
B221 EL=927.16
B222 EL=928.47
B223 EL=927.34
B224 EL=927.43
B225 EL=927.95
B226 EL=928.03
B227 EL=927.83
B228 EL=927.71
B229 EL=927.85
B230 EL=927.90
B231 EL=928.03
B232 EL=927.95
B233 EL=927.66
B234 EL=927.89
B235 EL=925.74
B236 EL=927.20
B237 EL=927.80
B238 EL=927.87
B239 EL=927.90
B240 EL=927.83
B241 EL=927.64
B242 EL=925.30
B243 EL=927.03
B244 EL=928.21
B245 EL=928.76
B246-MW EL=927.85 EL TOP RISER=927.46
B247-MW EL=927.92 EL TOP RISER=927.33
B248-MW EL=924.98 EL TOP RISER=924.64
B249-MW EL=926.73 EL TOP RISER=928.37
B250-MW EL=928.02 EL TOP RISER=927.56
B251-MW EL=928.79 EL TOP RISER=928.48
B252-MW EL=927.74 EL TOP RISER=927.27
B253 EL=927.29

TIOGA AVE.

STEUBEN STREET

COMMERCE STREET

STREET RIGHT OF WAY

GATE 3

GATE 4

CHAIN LINK FENCE

STORMWATER EQUALIZATION WATER TANK (EXISTING)

SPOIL AREA

GENERAL MACHINE SHOP BLDG.

CENTRAL SALES BLDG.

MASON SHOP

FALL BROOK WARE-HOUSE BLDG.

FALL BROOK MAIN BLDG.

SHIPPING DOCK

SILO

POINT OF BEGINNING PARCEL #1

COMMENCING POINT PARCEL #2

LEGEND

- COMPUTED POINT
- POLE
- CB o CATCH BASIN
- MH o MANHOLE
- CHAIN LINK FENCE
- AOC 6 PHASE II ESA ENVIRONMENTAL "AREA OF CONCERN"
- B135 EL = 927.58 — TEST BORING PERFORMED BY HALEY & ALDRICH DURING THE PERIOD 10 THROUGH 21 SEPTEMBER 2007. EL = GROUND SURFACE ELEVATION.
- B146 - MW EL = 924.21 EL TOP RISER = 923.78 — GROUNDWATER MONITORING WELL BY HALEY & ALDRICH DURING THE PERIOD 10 THROUGH 21 SEPTEMBER 2007. EL = GROUND SURFACE ELEVATION. EL TOP RISER= TOP OF RISER ELEVATION.
- B-201 EL=925.70 — TEST BORING INSTALLED BY HALEY & ALDRICH DURING THE MONTH OF OCTOBER 2009. EL = GROUND SURFACE ELEVATION.
- B246-MW EL=924.98 EL TOP RISER=924.64 — BCP REMEDIAL INVESTIGATION MONITORING WELL INSTALLED BY HALEY & ALDRICH DURING THE MONTH OF OCTOBER 2009. EL = GROUND SURFACE ELEVATION. EL TOP RISER= TOP OF RISER ELEVATION.
- TIOGA AVENUE BCP SITE BOUNDARY
- 904.60 GROUNDWATER CONTOUR INTERVALS

NOTES:

1. PLAN ADAPTED FROM A PLAN ENTITLED "CORNING PROPERTY MANAGEMENT CORP. (FALLBROOK PLANT)", JOB NO. 13989.10, DATED REVISED 18 DECEMBER 2009, BY WEILER ASSOCIATES.
2. SITE SURVEY PERFORMED BY WEILER ASSOCIATES OF HORSEHEADS, NY BASED ON NAD83 AND NAVD88 USING CORS STATION AT COOPER PLAINS AS CONTROL.
3. SITE WAS UNDER DEMOLITION AT TIME OF SURVEY. ALL BUILDING LOCATIONS AND OTHER FEATURES SHOULD BE CONSIDERED APPROXIMATE AND MAY NO LONGER EXIST.

N
W E
S

0 60 120 180 240
SCALE IN FEET

NOTE: FIGURE FROM HALEY & ALDRICH (2019)

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GROUNDWATER CONTOUR MAP

FIGURE

4

N:\GIS\Projects\EF1031_TiogaAveBCP_Corning\CAD\SMP\Figure 4 - Groundwater Contour Plan.dwg 4/5/2024 4:16:01 PM

AREA OF LOW PERMEABLE COVER
BROWNFIELD SITE BOUNDARY
ASPHALT (MIN. 16 IN COVER)
BUILDING/SUBSTATION
CONCRETE (MIN. 11 IN COVER)
LANDSCAPED AREA (MIN. 1 FT COVER)
LANDSCAPED AREA (MIN. 2 FT COVER)
RAILROAD COVER (NO ADDITIONAL ENGINEERING CONTROLS REQUIRED)
ASPHALT (LOW PERMEABILITY SPECIFICATIONS - MIN. 4.5 IN COVER)
LANDSCAPED AREA (LOW PERMEABILITY SPECIFICATIONS, GEOSYNTHETIC CLAY LAYER - MIN. 1 FT COVER)

0 50 100 150 200 250
Feet

N

LOW PERMEABILITY COVER BOUNDARY

APPROXIMATE EDGE OF RIVER (BASED ON HISTORIC WEILER SURVEY)

TOP OF BANK

TOP OF BANK (TOE OF LEVEE)

SUBSTATION

SUBSTATION AREA

CORELLE BRANDS

CULLET STORAGE

CULLET SHED

BATCH HOUSE

WELL HOUSE

SUBSTATION

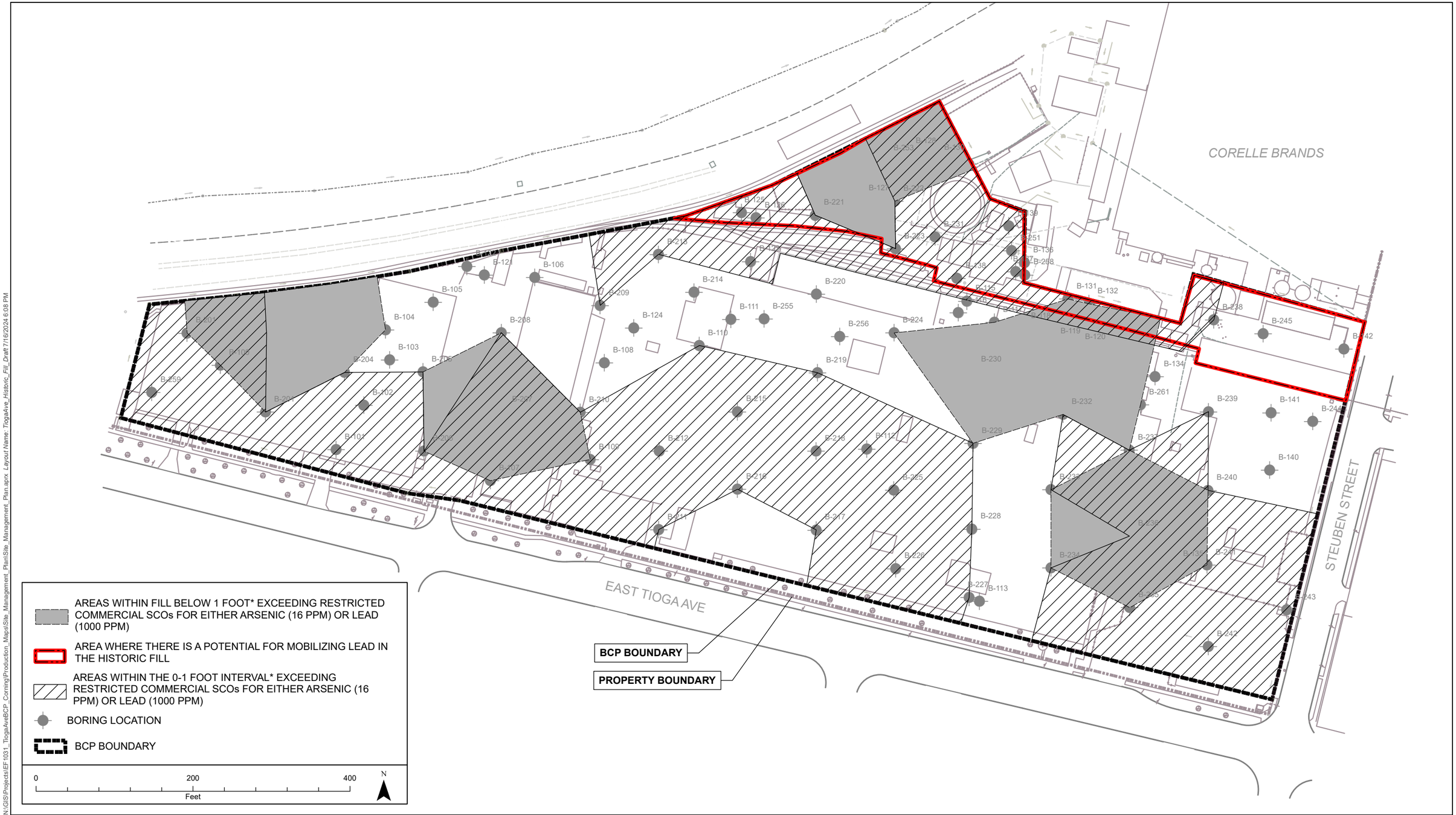
EAST TIOGA AVENUE

N:\GIS\Projects\EF1031_TiogaAveBCP_Corning\Production_Maps\Site_Management_Plan\Site_Management_Plan_Figure_5.aprx Layout Name: Figure5_TiogaAve_EngineeringControlBounds 4/10/2024 1:35 PM

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Notes:
1.) Base mapping represents historical conditions and is provided by survey map entitled "Corning Property Management Corp, (Fallbrook Plant), City of Corning, Stueben County, New York", dated November 2010, Job No. 13989.05 map prepared by Weiler Associates Licensed Land Surveyors, located at 206 Gardner Road, Horseheads, NY 14845.
2.) This figure was adopted from Haley and Aldrich, Tioga Avenue Site, Steuben County, New York, Site Management Plan, dated April 2019.

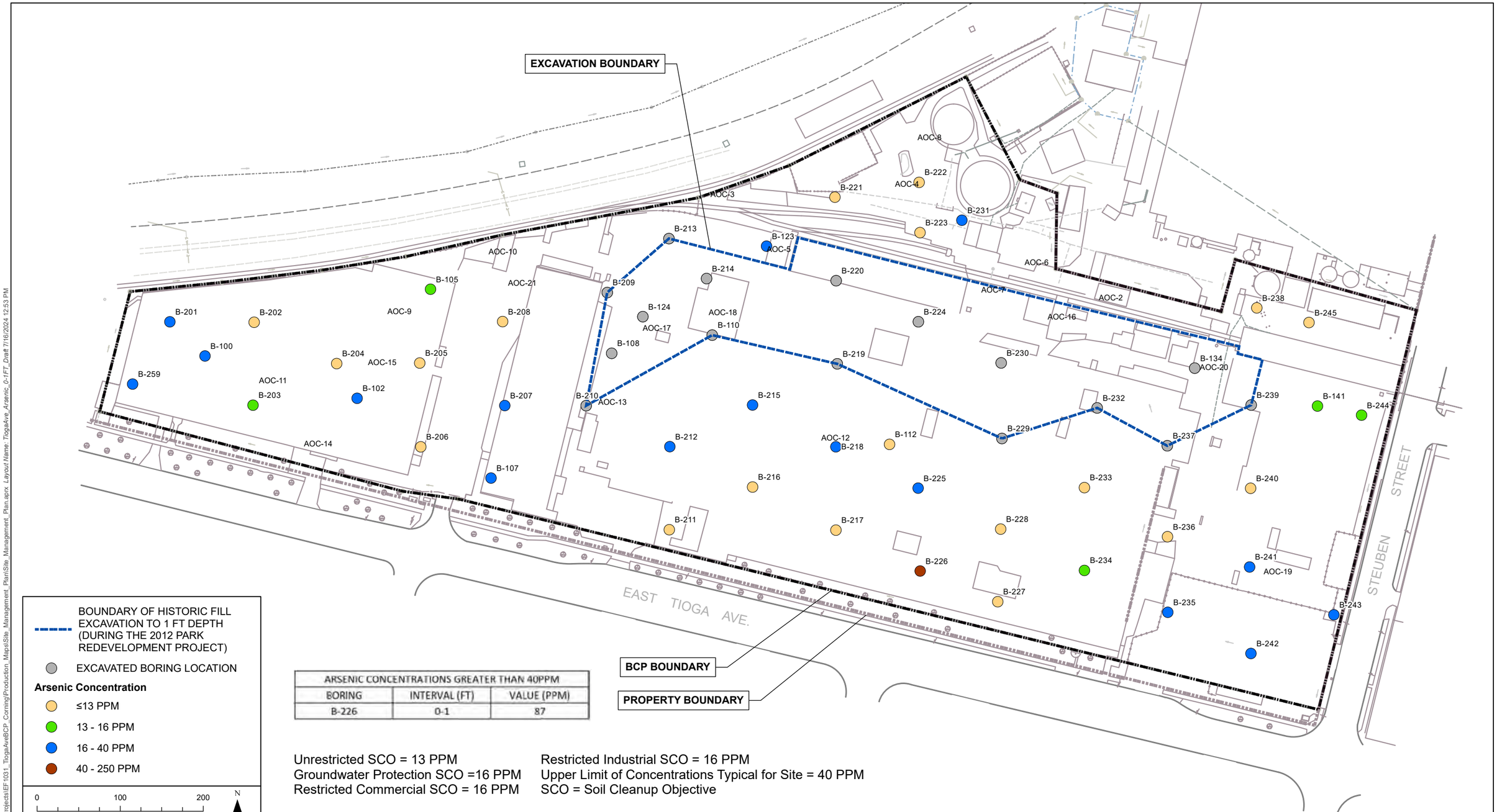
Figure 5
Engineering Control Boundaries
Tioga Avenue BCP Site #C851031
Site Management Plan



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Notes:
1.) Area delineations based on sample locations where testing results were less than commercial SCOs for Arsenic (16 PPM) and Lead (1000 PPM)
2.) All area fill depth measurements within the BCP boundary are beneath the demarcation layer.
3.) Base mapping represents historical conditions and is provided by survey map entitled "Corning Property Management Corp, (Fallbrook Plant), City of Corning, Stueben County, New York", dated November 2010, Job No. 13989.05 map prepared by Weiler Associates Licensed Land Surveyors, located at 206 Gardner Road, Horseheads, NY 14845.
4.) This figure was adopted from Haley and Aldrich, Tioga Avenue Site, Steuben County, New York, Site Management Plan, dated April 2019.

Figure 6A.
Remaining Soil Sample Exceedances: Arsenic and Lead in Historic Fill (Beneath Demarcation Layer)
Tioga Avenue BCP Site #C851031
Site Management Plan



BOUNDARY OF HISTORIC FILL EXCAVATION TO 1 FT DEPTH (DURING THE 2012 PARK REDEVELOPMENT PROJECT)

EXCAVATED BORING LOCATION

Arsenic Concentration

- ≤13 PPM
- 13 - 16 PPM
- 16 - 40 PPM
- 40 - 250 PPM

0 100 200 Feet N

ARSENIC CONCENTRATIONS GREATER THAN 40PPM		
BORING	INTERVAL (FT)	VALUE (PPM)
B-226	0-1	87

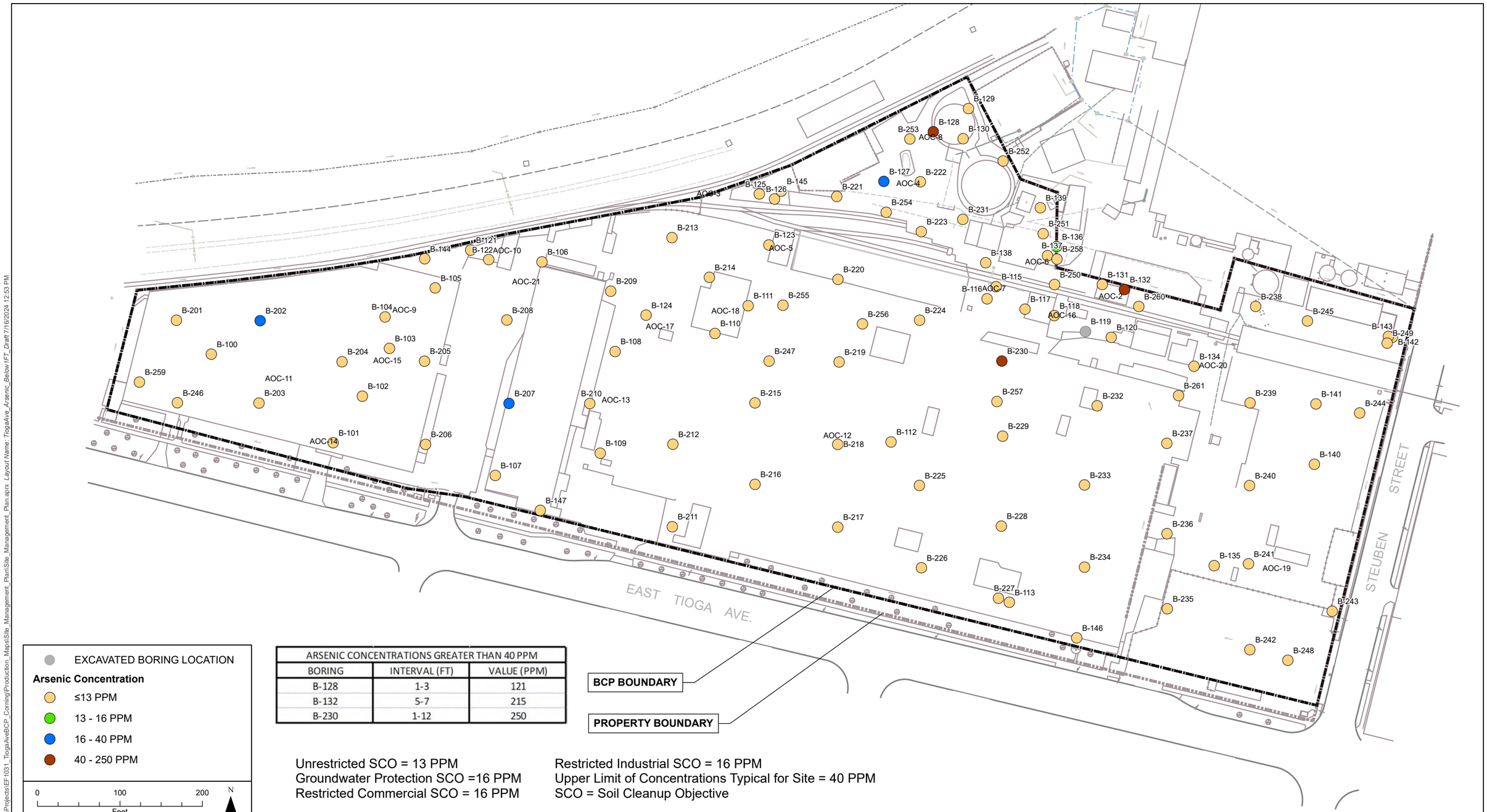
Unrestricted SCO = 13 PPM
Groundwater Protection SCO =16 PPM
Restricted Commercial SCO = 16 PPM

Restricted Industrial SCO = 16 PPM
Upper Limit of Concentrations Typical for Site = 40 PPM
SCO = Soil Cleanup Objective

Notes:
1.) All sample boring depth measurements occurred prior to the 2012 Park Redevelopment Project.
2.) Boring locations in grey were excavated during the 2012 Park Redevelopment Project.
3.) Base mapping represents historical conditions and is provided by survey map entitled "Corning Property Management Corp, (Fallbrook Plant), City of Corning, Stueben County, New York", Dated November 2010, Job No. 13989.05 map prepared by Weiler Associates Licensed Land Surveyors, located at 206 Gardner Road, Horseheads, NY 14845.
4.) This figure was adopted from Haley and Aldrich, Tioga Avenue Site, Steuben County, New York, Site Management Plan, dated April 2019.
5.) Sample locations indicating ≤13 PPM include samples where arsenic was analyzed but not detected. The analytical data is provided in Table IV.

Figure 6B.
Remaining Contamination in Soil: Posting Map of Arsenic Concentrations Within 0-1 Foot Depth (Beneath Demarcation Layer)
Tioga Avenue BCP Site #C851031
Site Management Plan

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EXCAVATED BORING LOCATION

Arsenic Concentration

- ≤13 PPM
- 13 - 16 PPM
- 16 - 40 PPM
- 40 - 250 PPM

0 100 200 Feet N

ARSENIC CONCENTRATIONS GREATER THAN 40 PPM		
BORING	INTERVAL (FT)	VALUE (PPM)
B-128	1-3	121
B-132	5-7	215
B-230	1-12	250

BCP BOUNDARY

PROPERTY BOUNDARY

Unrestricted SCO = 13 PPM
Groundwater Protection SCO =16 PPM
Restricted Commercial SCO = 16 PPM

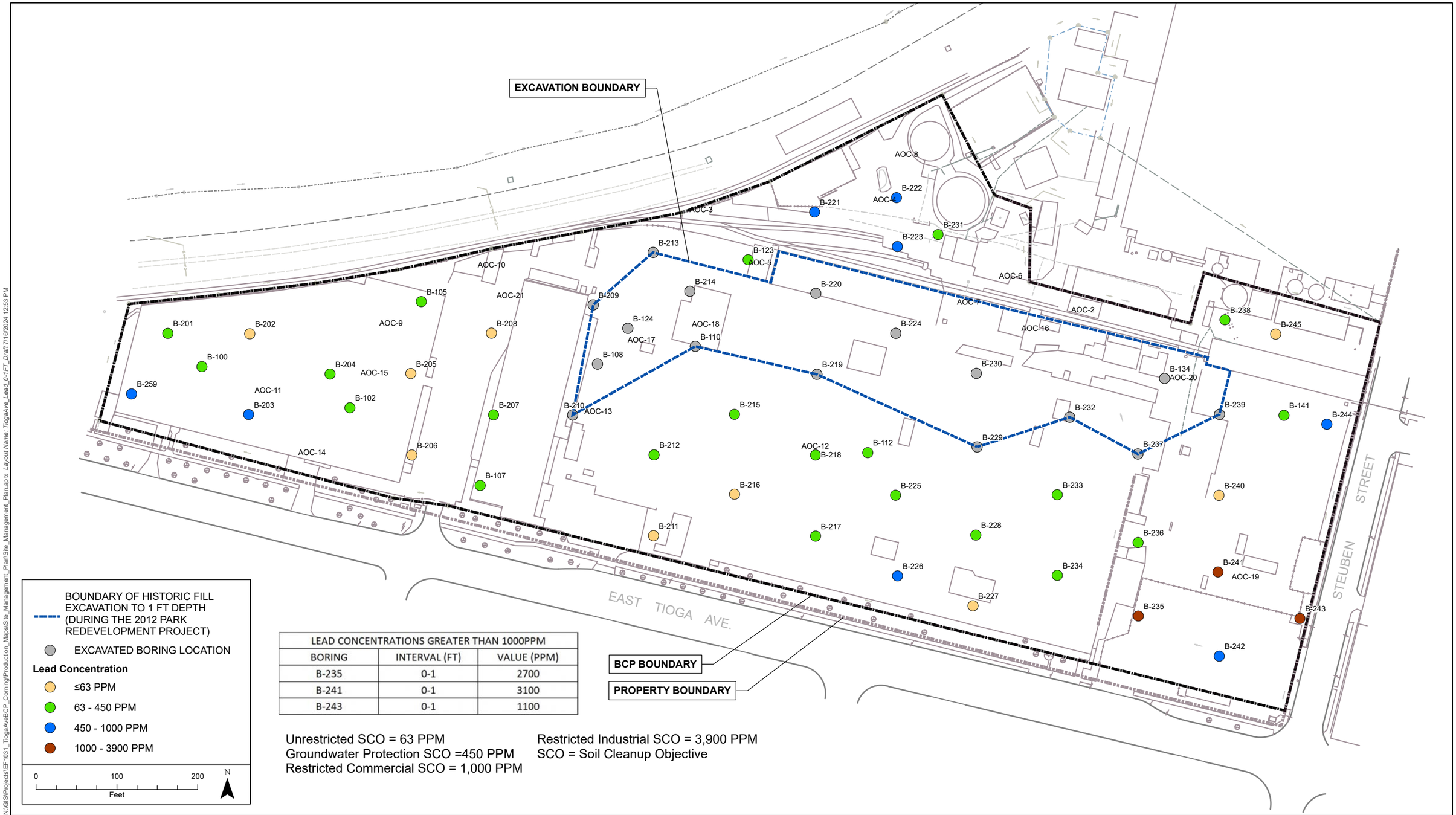
Restricted Industrial SCO = 16 PPM
Upper Limit of Concentrations Typical for Site = 40 PPM
SCO = Soil Cleanup Objective

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Notes:
1.) All sample boring depth measurements occurred prior to the 2012 Park Redevelopment Project.
2.) Boring location B-119 was excavated during the 2012 Park Redevelopment Project.
3.) Base mapping represents historical conditions and is provided by survey map entitled "Corning Property Management Corp, (Fallbrook Plant), City of Corning, Stueben County, New York", dated November 2010, Job No. 13989.05 map prepared by Weiler Associates Licensed Land Surveyors, located at 206 Gardner Road, Horseheads, NY 14845.
4.) This figure was adopted from Haley and Aldrich, Tioga Avenue Site, Steuben County, New York, Site Management Plan, dated April 2019.
5.) Sample locations indicating ≤13 PPM include samples where arsenic was analyzed but not detected. The analytical data is provided in Table IV.

Figure 6C.
Remaining Contamination in Soil: Posting Map of Arsenic Concentrations Within Fill Below 1 Foot Depth (Beneath Demarcation Layer)
Tioga Avenue BCP Site #C851031
Site Management Plan

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LEAD CONCENTRATIONS GREATER THAN 1000PPM		
BORING	INTERVAL (FT)	VALUE (PPM)
B-235	0-1	2700
B-241	0-1	3100
B-243	0-1	1100

Unrestricted SCO = 63 PPM
Groundwater Protection SCO =450 PPM
Restricted Commercial SCO = 1,000 PPM

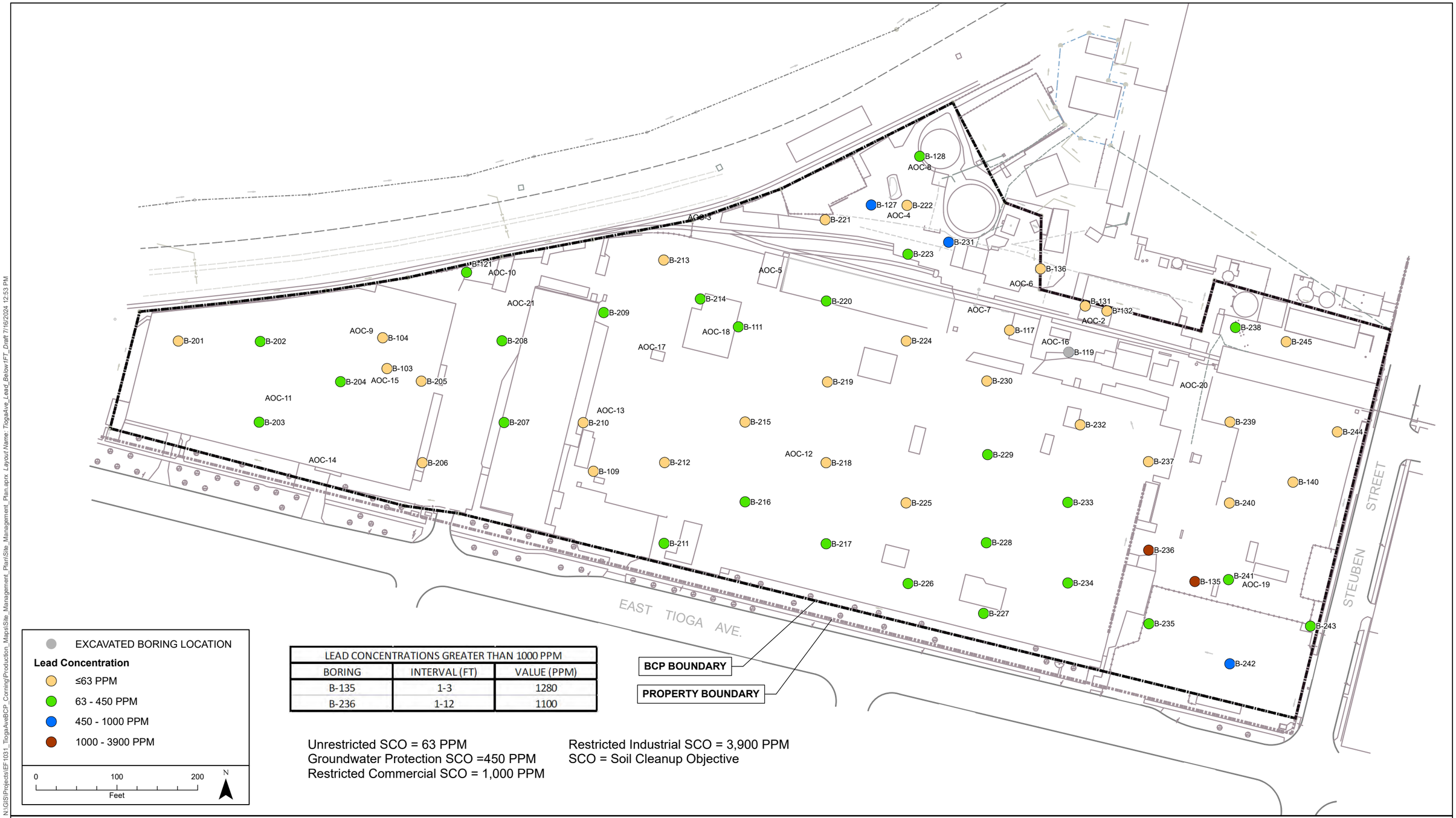
Restricted Industrial SCO = 3,900 PPM
SCO = Soil Cleanup Objective

Notes:
1.) All sample boring depth measurements occurred prior to the 2012 Park Redevelopment Project.
2.) Boring locations in grey were excavated during the 2012 Park Redevelopment Project.
3.) Base mapping represents historical conditions and is provided by survey map entitled "Corning Property Management Corp, (Fallbrook Plant), City of Corning, Stueben County, New York", dated November 2010, Job No. 13989.05 map prepared by Weiler Associates Licensed Land Surveyors, located at 206 Gardner Road, Horseheads, NY 14845.
4.) This figure was adopted from Haley and Aldrich, Tioga Avenue Site, Steuben County, New York, Site Management Plan, dated April 2019.
5.) Sample locations indicating ≤63 PPM include samples where lead was analyzed but not detected. The analytical data is provided in Table IV.

Figure 6D.
Remaining Contamination in Soil: Posting Map of Lead Concentrations Within 0-1 Foot Depth (Beneath Demarcation Layer)
Tioga Avenue BCP Site #C851031
Site Management Plan

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EXCAVATED BORING LOCATION

Lead Concentration

- ≤63 PPM
- 63 - 450 PPM
- 450 - 1000 PPM
- 1000 - 3900 PPM

0 100 200 Feet N

LEAD CONCENTRATIONS GREATER THAN 1000 PPM		
BORING	INTERVAL (FT)	VALUE (PPM)
B-135	1-3	1280
B-236	1-12	1100

BCP BOUNDARY

PROPERTY BOUNDARY

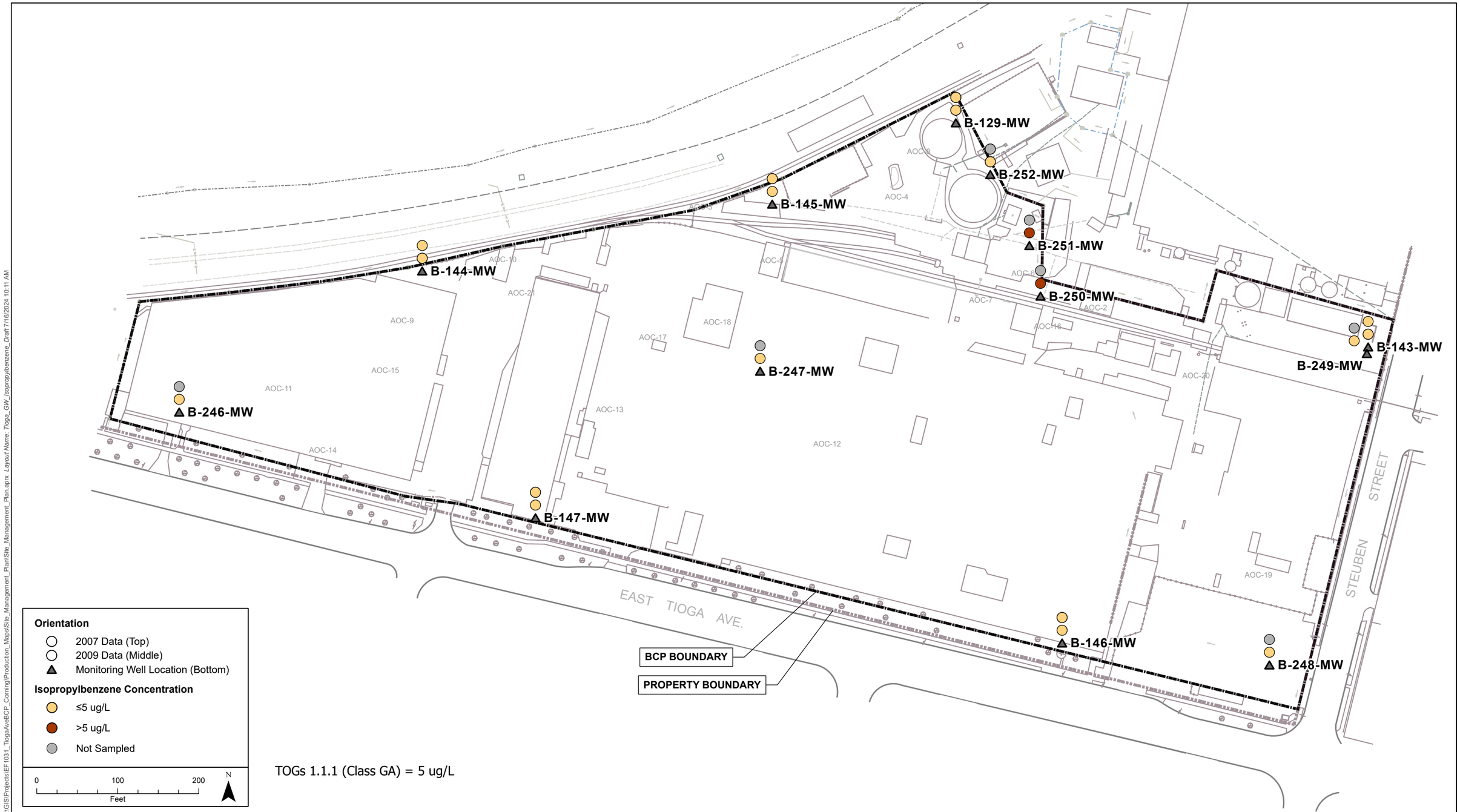
Unrestricted SCO = 63 PPM
Groundwater Protection SCO =450 PPM
Restricted Commercial SCO = 1,000 PPM

Restricted Industrial SCO = 3,900 PPM
SCO = Soil Cleanup Objective

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Notes:
1.) All sample boring depth measurements occurred prior to the 2012 Park Redevelopment Project.
2.) Boring location B-119 was excavated during the 2012 Park Redevelopment Project.
3.) Base mapping represents historical conditions and is provided by survey map entitled "Corning Property Management Corp, (Fallbrook Plant), City of Corning, Stueben County, New York", dated November 2010, Job No. 13989.05 map prepared by Weiler Associates Licensed Land Surveyors, located at 206 Gardner Road, Horseheads, NY 14845.
4.) This figure was adopted from Haley and Aldrich, Tioga Avenue Site, Steuben County, New York, Site Management Plan, dated April 2019.
5.) Sample locations indicating ≤63 PPM include samples where lead was analyzed but not detected. The analytical data is provided in Table IV.

Figure 6E.
Remaining Soil Sample Exceedances: Posting Map of Lead Concentrations Within Fill Below 1 Foot Depth (Beneath Demarcation Layer)
Tioga Avenue BCP Site #C851031
Site Management Plan



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Notes:
1.) Base mapping represents historical conditions and is provided by survey map entitled "Corning Property Management Corp, (Fallbrook Plant), City of Corning, Stueben County, New York", dated November 2010, Job No. 13989.05 map prepared by Weiler Associates Licensed Land Surveyors, located at 206 Gardner Road, Horseheads, NY 14845.
2.) Sample locations indicating ≤5 ug/L include samples where isopropylbenzene was analyzed but not detected. The analytical data is provided in Table V.

Figure 6F.
Remaining Contamination in Groundwater: Posting Map of Isopropylbenzene Concentrations
Tioga Avenue BCP Site #C851031
Site Management Plan

NOTES:

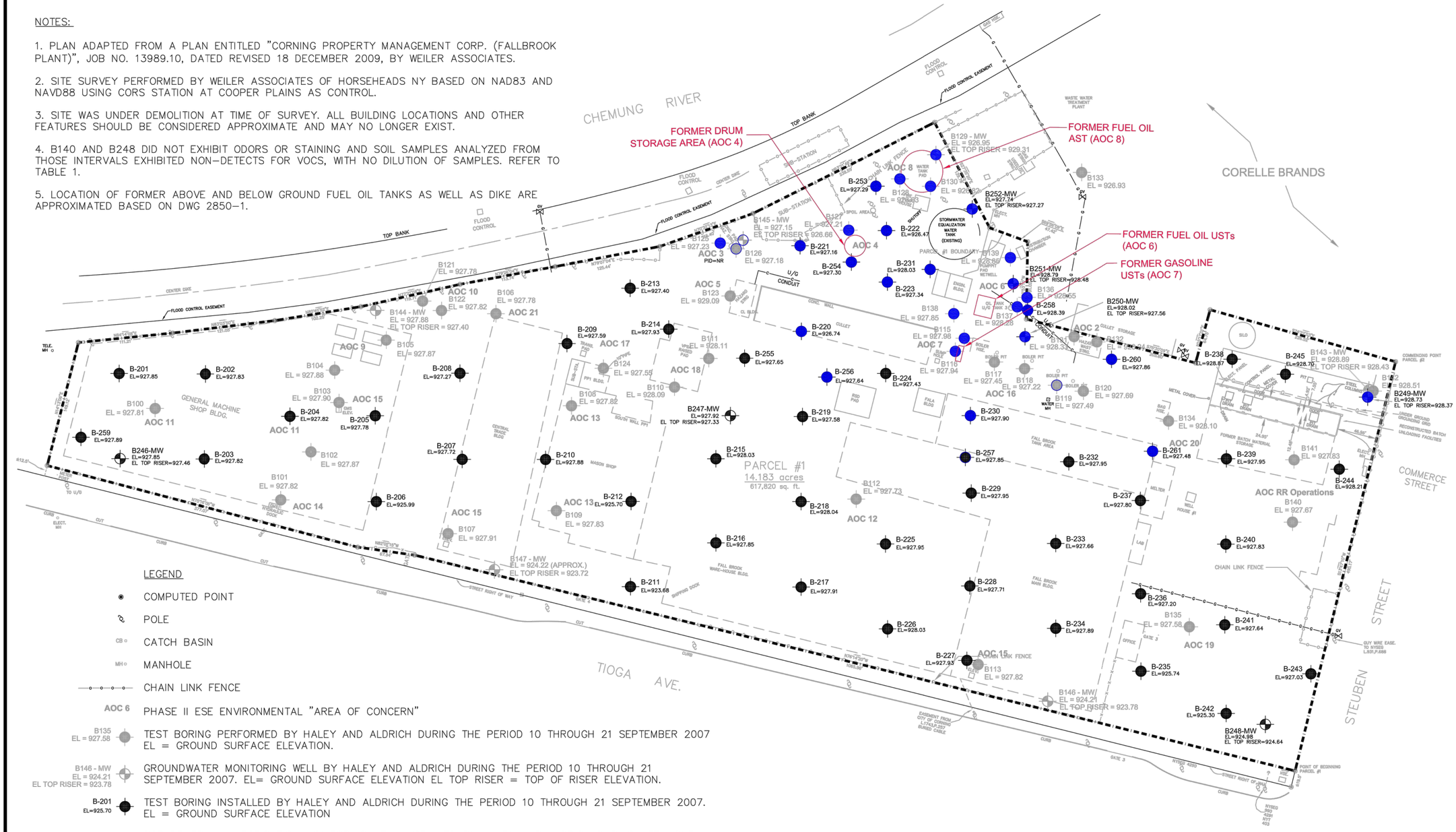
1. PLAN ADAPTED FROM A PLAN ENTITLED "CORNING PROPERTY MANAGEMENT CORP. (FALLBROOK PLANT)", JOB NO. 13989.10, DATED REVISED 18 DECEMBER 2009, BY WEILER ASSOCIATES.

2. SITE SURVEY PERFORMED BY WEILER ASSOCIATES OF HORSEHEADS NY BASED ON NAD83 AND NAVD88 USING CORS STATION AT COOPER PLAINS AS CONTROL.

3. SITE WAS UNDER DEMOLITION AT TIME OF SURVEY. ALL BUILDING LOCATIONS AND OTHER FEATURES SHOULD BE CONSIDERED APPROXIMATE AND MAY NO LONGER EXIST.

4. B140 AND B248 DID NOT EXHIBIT ODORS OR STAINING AND SOIL SAMPLES ANALYZED FROM THOSE INTERVALS EXHIBITED NON-DETECTS FOR VOCS, WITH NO DILUTION OF SAMPLES. REFER TO TABLE 1.

5. LOCATION OF FORMER ABOVE AND BELOW GROUND FUEL OIL TANKS AS WELL AS DIKE ARE APPROXIMATED BASED ON DWG 2850-1.



LEGEND

- COMPUTED POINT
- POLE
- CB ○ CATCH BASIN
- MH ○ MANHOLE
- CHAIN LINK FENCE
- AOC 6 PHASE II ESE ENVIRONMENTAL "AREA OF CONCERN"
- B135 EL = 927.58 TEST BORING PERFORMED BY HALEY AND ALDRICH DURING THE PERIOD 10 THROUGH 21 SEPTEMBER 2007 EL = GROUND SURFACE ELEVATION.
- B146 - MW EL = 924.21 EL TOP RISER = 923.78 GROUNDWATER MONITORING WELL BY HALEY AND ALDRICH DURING THE PERIOD 10 THROUGH 21 SEPTEMBER 2007. EL= GROUND SURFACE ELEVATION EL TOP RISER = TOP OF RISER ELEVATION.
- B-201 EL=925.70 TEST BORING INSTALLED BY HALEY AND ALDRICH DURING THE PERIOD 10 THROUGH 21 SEPTEMBER 2007. EL = GROUND SURFACE ELEVATION
- B246-MW EL=924.98 EL TOP RISER=924.64 BCP REMEDIAL INVESTIGATION MONITORING WELL INSTALLED BY HALEY AND ALDRICH DURING HTE MONTH OF OCTOBER 2009. EL = GROUND SURFACE ELEVATION. EL TOP RISER = TOP OF RISER ELEVATION
- TIOGA AVENUE BCP SITE BOUNDARY SUBSURFACE PROFILE LINE.
- ONLY ODORS AND/OR DILUTED SAMPLE NOTED
- ANALYTICAL DATA, PID >5 PPM AND/OR OTHER WEATHERED PETROLEUM EVIDENCE NOTES AS DESCRIBED IN SMP

NOTE: FIGURE FROM HALEY & ALDRICH (2019)

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NEW YORK, NY 10018
www.integral-corp.com

CORNING INCORPORATED

SITE MANAGEMENT PLAN

CORNING NY

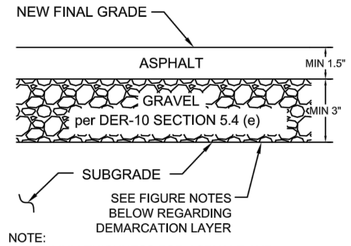
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DES	DATE
CHK	DATE

LOCATIONS EXHIBITING RESIDUAL PETROLEUM IMPACT

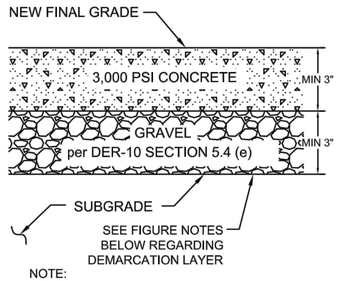
FIGURE

7

N:\GIS\Projects\EF1031_TiogaAveBCP_Corning\CAD\SMP\Figure 7 - Residual Petroleum Impact.dwg 4/5/2024 5:19:30 PM

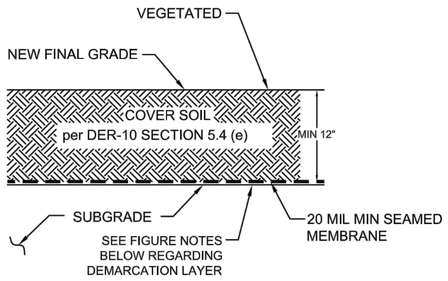


NOTE:
1. MINIMUM THICKNESS FOR ASPHALT AND CONCRETE COVER TYPES ARE NOT INTENDED FOR VEHICULAR TRAFFIC.



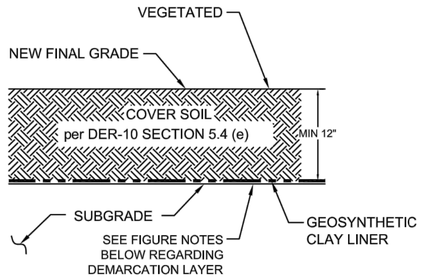
NOTE:
1. MINIMUM THICKNESS FOR ASPHALT AND CONCRETE COVER TYPES ARE NOT INTENDED FOR VEHICULAR TRAFFIC.

LOW PERMEABILITY COVER - ASPHALT OPTION
NOT TO SCALE



NOTES:
1. SEAMED MEMBRANE - POLYETHYLENE, POLYVINYL CHLORIDE (PVC), OR ETHYLENE PROPYLENE DIENE MONOMER (EPDM) INSTALLED PER MANUFACTURER RECOMMENDED PROCEDURES.
2. PROTECT MEMBRANE FROM PUNCTURE DURING PLACEMENT BY APPROPRIATE CUSHIONING MATERIAL.

LOW PERMEABILITY COVER - CONCRETE OPTION
NOT TO SCALE



NOTES:
1. GEOSYNTHETIC CLAY LINER - SUCH AS BENTOMAT®, GSE GUNDSEAL®, OR EQUIVALENT APPROVED BY THE ENGINEER, INSTALLED PER MANUFACTURER RECOMMENDED PROCEDURES.

LOW PERMEABILITY COVER - MEMBRANE OPTION
NOT TO SCALE

LOW PERMEABILITY COVER - GEOSYNTHETHIC CLAY LINER OPTION
NOT TO SCALE

LEGEND:
- GRAVEL PER 2010 DER-10 SECTION 5.4 (e)
- ASPHALT
- CONCRETE
- COVER SOIL PER 2010 DER-10 SECTION 5.4 (e)
- SEAMED MEMBRANE
- GEOSYNTHETIC CLAY LINER

NOTES:

1. PER 2010 DER-10 4.1(f)(3), A DEMARCATION LAYER WILL BE PROVIDED FOR SOIL COVERS. THIS LAYER WILL BE LOCATED BETWEEN THE SOIL COVER, OR FILL MEETING THE SOIL COVER REQUIREMENTS, AND THE SOIL WHERE CONTAMINANTS WILL REMAIN AT THE SITE. THEREFORE, THE SUBGRADE MATERIAL BENEATH THE LOW PERMEABILITY COVER OPTIONS SHOWN IN THIS FIGURE MAY BE MATERIAL WHICH IS ACCEPTABLE FOR USE ABOVE A DEMARCATION LAYER.
2. PER THIS SITE MANAGEMENT PLAN, NO DEMARCATION LAYER IS NEEDED BELOW THE ASPHALT LOW PERMEABILITY COVER OPTION OR THE CONCRETE LOW PERMEABILITY COVER OPTION.
3. PER THIS SITE MANAGEMENT PLAN, WHERE A DEMARCATION LAYER IS NECESSARY IT WILL BE ORANGE SNOW FENCING MATERIAL OR ORANGE PERMEABLE GEOTEXTILE FABRIC OR EQUIVALENT MATERIAL.
4. ALTERNATIVE LOW PERMEABILITY COVER TYPES MUST BE APPROVED IN ADVANCE BY THE ENGINEER AND NYSDEC.
5. MINIMUM THICKNESS SHOWN FOR ASPHALT AND CONCRETE COVER TYPES DO NOT SUPERSEDE ANY BUILDING, TRAFFIC, OR PEDESTRIAN LAND DEVELOPMENT CODE.

NOTE: FIGURE FROM HALEY & ALDRICH (2019)

REV	DATE	DESCRIPTION	APP

integral consulting inc.
31 WEST 34th STREET, SUITE 7196
NEW YORK, NY 10018
www.integral-corp.com

CORNING INCORPORATED

SITE MANAGEMENT PLAN

CORNING NY

DRN	DATE
CZ	3-15-2024
DES	DATE
CHK	DATE

COVER SYSTEM CROSS SECTIONS

FIGURE

8

N:\GIS\Projects\EF1031_TiogaAveBCP_Corning\CAD\SMP\Figure 8 - Low Permeability Site Cover Systems Replacement.dwg 4/10/2024 1:18:18 PM



N:\GIS\Projects\EF1031_TiogaAveBCP_Corning\Production_Maps\Site_Management_Plan\Site_Management_Plan.aprx Layout Name: TiogaAve_StormwaterSystem_Revised_Draft 7/16/2024 4:51 PM

integral engineering p.c.

Notes:
1.) All locations approximate.
2.) Base mapping represents historical conditions and is provided by survey map entitled "Corning Property Management Corp, (Fallbrook Plant), City of Corning, Stueben County, New York", dated November 2010, Job No. 13989.05 map prepared by Weiler Associates Licensed Land Surveyors, located at 206 Gardner Road, Horseheads, NY 14845.
3.) This figure was adopted from Haley and Aldrich, Tioga Avenue Site, Steuben County, New York, Site Management Plan, dated April 2019.

Figure 9.
Site Stormwater Management System
Tioga Avenue BCP Site #C851031
Site Management Plan

TABLES

TABLE I - SUMMARY OF WATER LEVEL DATA
TIOGA AVENUE BCP SITE
CORNING, NEW YORK

	Well Elevations		Screen Interval	Depth to Water (Feet)[1]				Water Elevation[3]			
Well No.	Ground Surface	Top of Riser	Approximate Elevation	10/8/2007	10/10/2007	10/7/2009	11/4/2009 - 11/6/2009	10/8/2007	10/10/2007	10/7/2009	11/4/2009 - 11/6/2009
B129 MW	926.95	929.31	908.0 - 898.0	24.68	24.76	23.91	22.70	904.63	904.55	905.40	906.61
B143 MW	928.89	928.43	910.9 - 900.9	24.07	24.51	23.42	22.10	904.36	903.92	905.01	906.33
B144 MW	927.88	927.40	909.9 - 899.9	22.66	22.72	22.05	20.72	904.74	904.68	905.35	906.68
B145 MW	927.15	926.66	909.2 - 899.2	21.96	22.03	21.32	20.01	904.70	904.63	905.34	906.65
B146 MW	924.21	923.78	908.2 - 898.2	19.21	19.28	18.61	17.26	904.57	904.50	905.17	906.52
B147 MW	927.19	923.72	911.2 - 901.2	19.00	19.08	18.40	17.02	904.72	904.64	905.32	906.70
B246 MW	927.85	927.46	907.5 - 897.5	--	--	--	20.57	--	--	--	906.89
B247 MW	927.92	927.33	867.7 - 857.7	--	--	--	20.68	--	--	--	906.65
B248 MW	924.98	924.64	866.1 - 856.1	--	--	--	18.14	--	--	--	906.50
B249 MW	928.73	928.37	868.9 - 858.9	--	--	--	22.02	--	--	--	906.35
B250 MW	928.02	927.56	910.3 - 900.3	--	--	--	21.10	--	--	--	906.46
B251 MW	928.79	928.48	911.1 - 901.1	--	--	--	22.00	--	--	--	906.48
B252 MW	927.74	927.27	909.9 - 899.9	--	--	--	20.75	--	--	--	906.52

Notes:
1. Depth to water elevation measurements are taken from the top of the well riser.
2. -- indicates well not present during measurement event.
3. Site survey based on North American Datum of 1983 (NAD 83) and North American Vertical Datum of 1988 (NAVD 88). Survey performed by GPS using the CORS station at Cooper Plains as control. Groundwater elevations calculated from depth below reference at top of well riser.

TABLE II - SUMMARY OF ARSENIC AND LEAD COMMERCIAL SCO EXCEEDANCES FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE
CORNING, NEW YORK

LEAD Commercial SCO for Protection of Human Health = 1,000 ppm

Soil Boring Location		Results (ppm)	Sample Depth	Sample Date
1	B-135	1280	1 - 3 ft.	9/17/2007
2	B-235	2700	0 - 1 ft.	10/6/2009
3	B-236	1100	1 - 7.5 ft.	10/5/2009
4	B-241	3100	0 - 1 ft.	10/6/2009
5	B-243	1100	0 - 1 ft.	10/6/2009

ARSENIC Commercial SCO for Protection of Human Health = 16 ppm

Soil Boring Location		Results (ppm)	Sample Depth	Sample Date
1	B-100	28.6	0 - 4 ft.	9/10/2007
2	B-102	16.8	0 - 1.5 ft.	9/10/2007
3	B-107	17.4	0 - 4 ft.	9/11/2007
4	B-108	23.9	0 - 4 ft.	9/11/2007
5	B-119	39.6	1 - 3 ft.	9/12/2007
6	B123	25.6	0 - 2 ft.	9/12/2007
7	B-124	16.9	0 - 4 ft.	9/13/2007
8	B-127	30.2	1 - 3 ft.	9/13/2007
9	B-128	121	1 - 3 ft.	9/13/2007
10	B-132	215	5 - 7 ft.	9/14/2007
11	B-201	17	0 - 1 ft.	9/30/2009
12	B-202	21	1 - 3.8 ft.	9/30/2009
13	B-207	23	0 - 1 ft.	10/1/2009
14	B-207	20	1 - 4.2 ft.	10/1/2009
15	B-212	35	0 - 1 ft.	10/1/2009
16	B-215	38	0 - 1 ft.	10/2/2009
17	B-218	18	0 - 1 ft.	10/9/2009
18	B-225 DUP	26	0 - 1 ft.	10/2/2009
	B-225	14	0 - 1 ft.	10/2/2009
19	B-226	87	0 - 1 ft.	10/2/2009
20	B-230	250	1 - 12 ft.	10/6/2009
21	B-231	18	0 - 1 ft.	10/15/2009
22	B-235	18	0 - 1 ft.	10/6/2009
23	B-241	23	0 - 1 ft.	10/6/2009
24	B-242	19	0 - 1 ft.	10/6/2009
25	B-243	29	0 - 1 ft.	10/6/2009
26	B-259	29	0 - 2 ft.	10/21/2009

Notes:

1. Table adapted from Alternatives Analysis Report Table I (Haley & Aldrich 2011), and revised to remove soil exceedances that were removed via excavation subsequent to AAR issuance.
2. Red highlight indicates the top 1 foot of contaminated soil was removed at this boring location during the 2012 Park Redevelopment Project.

TABLE III - SUMMARY OF WEATHERED PETROLEUM EVIDENCE
TIOGA AVENUE BCP
CORNING, NEW YORK

Boring ID	Analytical (Y/N)		PID (ppm)		Odors (Y/N)		Staining (Y/N)		Sheen (Y/N)		Diluted VOC Sample (Y/N)		Notes
	Noted	*Depth*	*Noted*	*Depth*	*Noted*	*Depth*	*Noted*	*Depth*	*Noted*	*Depth*	*Noted*	*Depth*	
B-100	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-101	N	-	ND	-	Y	8-10 ft	N	-	N	-	Y	8-12 ft	
B-102	N	-	10.7	0 ft	Y	0-2 ft	N	-	N	-	N	-	
B-103	N	-	>5	-	N	-	N	-	N	-	N	-	
B-104	N	-	ND	-	N	-	N	-	N	-	N	-	
B-105	N	-	>5	-	N	-	N	-	N	-	N	-	
B-106	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-107	N	-	ND	-	N	-	N	-	N	-	N	-	
B-108	N	-	NR	-	N	-	N	-	N	-	N	-	
B-109	N	-	NR	-	N	-	N	-	N	-	N	-	
B-110	N	-	NR	-	N	-	N	-	N	-	N	-	
B-111	N	-	ND	-	N	-	N	-	N	-	N	-	
B-112	N	-	NR	-	N	-	N	-	N	-	N	-	
B-113	N	-	NR	-	N	-	N	-	N	-	N	-	
B-115	N	-	15.2	24 ft	Y	20-24 ft	N	-	N	-	Y	12-16 ft	
B-116	Y (U, C)	6-10 ft	113	8-10 ft	Y	6-14 ft, 22-24 ft	N	-	N	-	N	-	
B-117	N	-	ND	-	N	-	N	-	N	-	N	-	
B-118	N	-	ND	-	N	-	N	-	N	-	N	-	
B-119	N	-	>5	-	Y	20-24 ft	N	-	N	-	N	-	
B-120	N	-	ND	-	N	-	N	-	N	-	N	-	
B-121	N	-	ND	-	N	-	N	-	N	-	N	-	
B-122	N	-	ND	-	N	-	N	-	N	-	N	-	
B-123	N	-	ND	-	N	-	N	-	N	-	N	-	
B-124	N	-	>5	-	N	-	N	-	N	-	N	-	
B-125	N	-	NR	-	Y	0-4 ft, 16-24 ft	N	-	N	-	N	-	
B-126	N	-	ND	-	Y	0-11 ft	N	-	N	-	N	-	
B-127	N	-	143	24 ft	Y	20-24 ft	N	-	N	-	Y	21-23 ft	
B-128	N	-	15.3	10-12 ft	Y	21-22 ft	N	-	N	-	Y	20-22 ft	
B-129-MW	N	-	32.2	22-23 ft	Y	23-32 ft	N	-	N	-	Y	21-23 ft	
B-130	N	-	NR	-	Y	23-24 ft	N	-	N	-	Y	21-23 ft	
B-131	N	-	NR	-	N	-	N	-	N	-	N	-	
B-132	N	-	ND	-	N	-	N	-	N	-	N	-	
B-133	N	-	6.7	23 ft	N	-	N	-	N	-	N	-	
B-134	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-135	N	-	ND	-	N	-	N	-	N	-	N	-	
B-136	N	-	59.8	23 ft	Y	23-24 ft	N	-	N	-	Y	22-24 ft	
B-137	N	-	37.1	22 ft	Y	4-24 ft	N	-	N	-	Y	12-16 ft	
B-138	N	-	>5	-	Y	22-23 ft	N	-	N	-	N	-	
B-139	N	-	13.7	24 ft	Y	22-24 ft	N	-	N	-	Y	22-24 ft	
B-140	N	-	12	4-5 ft	N	-	N	-	N	-	N	-	
B-141	N	-	NR	-	N	-	N	-	N	-	N	-	
B-142	N	-	12.7	11 ft	N	-	N	-	N	-	N	-	

TABLE III - SUMMARY OF WEATHERED PETROLEUM EVIDENCE
TIOGA AVENUE BCP
CORNING, NEW YORK

Boring ID	Analytical (Y/N)		PID (ppm)		Odors (Y/N)		Staining (Y/N)		Sheen (Y/N)		Diluted VOC Sample (Y/N)		Notes
	Noted	*Depth*	*Noted*	*Depth*	*Noted*	*Depth*	*Noted*	*Depth*	*Noted*	*Depth*	*Noted*	*Depth*	
B-143-MW	N	-	87.3 - 131	23-28 ft	Y	21-28 ft	N	-	N	-	Y	26-28 ft	PID = >5 above 21 ft. Bottom of
B-144-MW	N	-	>5	-	Y	0-28 ft	N	-	N	-	N	-	
B-145-MW	N	-	>5	-	Y	24-28 ft	N	-	N	-	N	-	
B-201	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-202	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-203	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-204	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-205	NA	-	>5	-	N	-	N	-	N	-	N	-	
B-206	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-207	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-208	N	-	ND	-	N	-	N	-	N	-	N	-	
B-209	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-210	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-211	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-212	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-213	N	-	ND	-	N	-	N	-	N	-	N	-	
B-214	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-215	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-216	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-217	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-218	N	-	ND	-	N	-	N	-	N	-	N	-	
B-219	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-220	N	-	22	26 ft	Y	25-27 ft	N	-	N	-	N	-	
B-221	N	-	105	26 ft	Y	23-28 ft	N	-	N	-	N	-	
B-222	N	-	63	24 ft	Y	20-25 ft	N	-	N	-	N	-	
B-223	N	-	151	24 ft	Y	21-24 ft	N	-	N	-	N	-	
B-224	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-225	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-226	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-227	N	-	ND	-	N	-	N	-	N	-	N	-	
B-228	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-229	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-230	N	-	56.6	22 ft	Y	24-25 ft	N	-	N	-	Y	23-24 ft	
B-231	N	-	155	24 ft	Y	22-26 ft	N	-	N	-	N	-	
B-232	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-233	N	-	ND	-	N	-	N	-	N	-	N	-	
B-234	N	-	ND	-	N	-	N	-	N	-	N	-	
B-235	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-236	NA	-	ND	-	N	-	N	-	N	-	N	-	

TABLE III - SUMMARY OF WEATHERED PETROLEUM EVIDENCE
TIOGA AVENUE BCP
CORNING, NEW YORK

Boring ID	Analytical (Y/N)		PID (ppm)		Odors (Y/N)		Staining (Y/N)		Sheen (Y/N)		Diluted VOC Sample (Y/N)		Notes
	Noted	*Depth*	*Noted*	*Depth*	*Noted*	*Depth*	*Noted*	*Depth*	*Noted*	*Depth*	*Noted*	*Depth*	
B-237	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-238	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-239	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-240	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-241	N	-	ND	-	N	-	N	-	N	-	N	-	
B-242	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-243	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-244	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-245	NA	-	ND	-	N	-	N	-	N	-	N	-	
B-246-MW	N	-	ND	-	N	-	N	-	N	-	N	-	
B-247-MW	N	-	ND	-	N	-	N	-	N	-	N	-	
B-248-MW	N	-	12.6	5 ft	N	-	N	-	N	-	N	-	
B-249-MW	N	-	67	24 ft	Y	24-60 ft	N	-	Y	24 ft	N	-	PID >5 28-70 ft
B-250-MW	N	-	23.6	12 ft	Y	12-28 ft	N	-	Y	purge water	N	-	
B-251-MW	N	-	75	22 ft	Y	20-28 ft	N	-	Y	purge water	N	-	
B-252-MW	Y (U)	10-10.5 ft	70	23 ft	Y	9-11 ft (tar like) 21-28 ft	Y	9-11 ft	Y	purge water	N	-	
B-253	N	-	90	22 ft	Y	21-24 ft	N	-	N	-	N	-	
B-254	N	-	153	24 ft	Y	17-24 ft	N	-	N	-	N	-	
B-255	N	-	ND	-	N	-	N	-	N	-	N	-	
B-256	N	-	35	22 ft	Y	22-25 ft	N	-	N	-	N	-	
B-257	N	-	>5	-	Y	24-25 ft	N	-	N	-	N	-	
B-258	NA	-	169	8 ft	Y	2-25 ft	Y	8 ft, 18-19	N	-	N	-	
B-259	N	-	ND	-	N	-	N	-	N	-	N	-	
B-260	N	-	55	21 ft	Y	20-27 ft	N	-	Y	24 ft	N	-	
B-261	N	-	68	23 ft	Y	22-25 ft	N	-	N	-	N	-	

Notes & Abbreviations
U = exceeds Unrestricted Use SCOs
C = exceeds Commercial Use SCOs
- = Not Applicable
NA = Not Analyzed
ND = Not Detected
NR = No Reading
= Evidence of Weathered Petroleum (include PID detections > 5ppm and/or laboratory detections)
= Odor/diluted sample noted only
1. VOCs were diluted to interference from TICs. Laboratory detection limits were not noted above commercial use criteria.
2. PID detections less than 5 ppm considered background.

Table from Haley & Aldrich (2012b)

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-100	B-101	B-102	B-103	B-104	B-105	B-106
DEPTH					0 - 4 ft	8 - 10 ft	0 - 1.5 ft	6 - 8 ft	4.5 - 5.5 ft	0 - 4 ft	0 - 4 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/10/2007	9/10/2007	9/10/2007	9/10/2007	9/11/2007	9/11/2007	9/11/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-100-1_091007	B-101-3_091007	B-102-1_091007	B-103-2_091007	B-104-2_091107	B-105-1_091107	B-106-1_091107
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	1.5 J	-	1.6 J	7 UJ	6.6 UJ	0.9 J	-
Arsenic	16	16	16	13	**28.6** † **[B]**	-	**16.8** † **[B]**	6.5	4.9	13.7	-
Barium	400	10000	820	350	37.8	-	43.8	74.5	18.2 J	76.8	-
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	0.34 J	-	0.26 J	0.053 J	0.55 U	0.27 J	-
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	0.12 J
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	116 J	-	133 J	34.8 J	6.1 J	254 J	-
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	0.037 U	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	0.037 U	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	0.037 U	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	0.037 U	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	0.037 U	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	0.037 U	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	0.027 J	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-100	B-101	B-102	B-103	B-104	B-105	B-106
DEPTH					0 - 4 ft	8 - 10 ft	0 - 1.5 ft	6 - 8 ft	4.5 - 5.5 ft	0 - 4 ft	0 - 4 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		9/10/2007	9/10/2007	9/10/2007	9/10/2007	9/11/2007	9/11/2007	9/11/2007
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B-100-1_091007	B-101-3_091007	B-102-1_091007	B-103-2_091007	B-104-2_091107	B-105-1_091107	B-106-1_091107
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	1.3 J	0.098 J	-	0.024 J	0.2 J	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	0.77 U	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	0.77 U [B]	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	0.77 U	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	0.77 U [B]	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	0.77 U	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	3.7 U [B]	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	0.77 U	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	0.77 U	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	0.77 U	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	0.77 U	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	3.1 J	0.18 J	0.1 J	0.064 J	0.43 J	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	0.77 U [B]	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	3.7 U [B]	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	0.77 U [B]	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	3.7 U	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	3.7 U [B]	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	3.7 U	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	0.77 U	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	0.77 U	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	0.77 U [B]	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	0.77 U	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	0.77 U [B]	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	3.7 U	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	3.7 U [B]	-	-	-
Acenaphthene	500	1000	98	20	-	18 U	1.5 U	0.77 U	0.36 U	0.17 J	-
Acenaphthylene	500	1000	107	100	-	18 U	0.049 J	0.38 J	0.13 J	1.3	-
Acetophenone	-	-	-	-	-	-	-	0.15 U	-	-	-
Anthracene	500	1000	1000	100	-	18 U	0.1 J	0.14 J	0.057 J	0.84 J	-
Atrazine	-	-	-	-	-	-	-	0.77 U	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	0.77 U	-	-	-
Benzo(a)anthracene	5.6	11	1	1	-	**18 U † [B]**	0.13 J	0.73 J	0.068 J	1.3 [B]	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-100	B-101	B-102	B-103	B-104	B-105	B-106
DEPTH					0 - 4 ft	8 - 10 ft	0 - 1.5 ft	6 - 8 ft	4.5 - 5.5 ft	0 - 4 ft	0 - 4 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/10/2007	9/10/2007	9/10/2007	9/10/2007	9/11/2007	9/11/2007	9/11/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-100-1_091007	B-101-3_091007	B-102-1_091007	B-103-2_091007	B-104-2_091107	B-105-1_091107	B-106-1_091107
Benzo(a)pyrene	1	1.1	22	1	-	**18 U** †	0.12 J	0.6 J	0.062 J	**1.2** [AB] †	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	**18 U** † **[B]**	0.25 J	0.95	0.086 J	1.6	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	18 U	1.5 U	0.59 J	0.096 J	1.4	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	18 U [B]	1.5 U	0.38 J	0.029 J	0.5 J	-
Biphenyl	-	-	-	-	-	-	-	0.77 U	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	0.77 U	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	0.77 U	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	0.77 U	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	0.77 U	-	-	-
Caprolactam	-	-	-	-	-	-	-	0.77 U	-	-	-
Carbazole	-	-	-	-	-	-	-	0.77 U	-	-	-
Chrysene	56	110	1	1	-	18 U [B]	0.53 J	0.69 J	0.081 J	1.8 [B]	-
Dibenzo(a,h)anthracene	-	-			-	18 U	1.5 U	0.14 J	0.36 U	0.24 J	-
Dibenzofuran	350	1000	6.2	7	-	-	-	0.77 U	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	0.77 U	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	0.77 U	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	0.77 U	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	0.77 U	-	-	-
Fluoranthene	500	1000	1000	100	-	0.54 J	0.34 J	0.98	0.13 J	2	-
Fluorene	500	1000	386	30	-	18 U	1.5 U	0.77 U	0.36 U	0.96 U	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	0.77 U	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	0.77 U	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	3.7 U	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	0.77 U	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	**18 U** † **[B]**	1.5 U	0.46 J	0.056 J	0.75 J	-
Isophorone	-	-	4.4	-	-	-	-	0.77 U	-	-	-
Naphthalene	500	1000	12	12	-	1.1 J	0.23 J	0.14 J	0.16 J	1	-
Nitrobenzene	69	140	0.17	-	-	-	-	0.77 U [B]	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	0.77 U	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	0.77 U	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	0.77 U	-	-	-
Phenanthrene	500	1000	1000	100	-	18 U	0.36 J	0.26 J	0.095 J	1.5	-
Phenol	500	1000	0.33	0.33	-	-	-	0.77 U [B]	-	-	-
Pyrene	500	1000	1000	100	-	0.77 J	0.27 J	1	0.11 J	2	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	0.019 U	0.0029 J	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	0.019 UJ	0.0058 UJ	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	0.019 UJ	0.0058 UJ	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	0.019 U	0.0058 U	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	0.019 U	0.0058 U	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	0.019 UJ	0.0058 U	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	0.037 UJ	0.012 UJ	-	-	-	-
1,2-Dibromoethane	-	-	-	-	-	0.019 UJ	0.0058 UJ	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-100	B-101	B-102	B-103	B-104	B-105	B-106
DEPTH					0 - 4 ft	8 - 10 ft	0 - 1.5 ft	6 - 8 ft	4.5 - 5.5 ft	0 - 4 ft	0 - 4 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/10/2007	9/10/2007	9/10/2007	9/10/2007	9/11/2007	9/11/2007	9/11/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-100-1_091007	B-101-3_091007	B-102-1_091007	B-103-2_091007	B-104-2_091107	B-105-1_091107	B-106-1_091107
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	0.019 UJ	0.0058 UJ	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	0.019 U	0.0058 U	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	0.019 U	0.0058 U	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	0.019 UJ	0.0058 UJ	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	0.019 UJ	0.0058 UJ	-	-	-	-
2-Butanone	500	1000	0.12	0.12	-	0.074 U	0.023 U	-	-	-	-
2-Hexanone	-	-	-	-	-	0.074 UJ	0.023 UJ	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	-	0.074 U	0.023 U	-	-	-	-
Acetone	500	1000	0.05	0.05	-	0.16 [B]	0.021 J	-	-	-	-
Benzene	44	89	0.06	0.06	-	0.0062 J	0.0011 J	-	-	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	0.019 U	0.0058 U	-	-	-	-
Bromoform	-	-	-	-	-	0.019 UJ	0.0058 UJ	-	-	-	-
Bromomethane	-	-	-	-	-	0.019 U	0.0058 U	-	-	-	-
Carbon disulfide	-	-	2.7	-	-	0.005 J	0.0058 U	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	0.019 U	0.0058 U	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	-	0.019 UJ	0.0058 UJ	-	-	-	-
Chloroethane	-	-	1.9	-	-	0.019 U	0.0058 U	-	-	-	-
Chloroform	350	700	0.37	0.37	-	0.019 U	0.0058 U	-	-	-	-
Chloromethane	-	-	-	-	-	0.019 U	0.0058 U	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	0.019 U	0.0058 U	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	0.019 U	0.0058 U	-	-	-	-
Cyclohexane	-	-	-	-	-	0.034 J	0.00084 J	-	-	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	0.019 UJ	0.0058 UJ	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	0.019 U	0.0058 U	-	-	-	-
Ethylbenzene	390	780	1	1	-	0.014 J	0.0058 UJ	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	0.0069 J	0.0058 UJ	-	-	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	0.037 U	0.012 U	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	0.066	0.00073 J	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	0.074 U	0.023 U	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	-	0.019 U	0.0058 U	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	0.019 UJ	0.0058 UJ	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	0.019 UJ	0.0058 UJ	-	-	-	-
Toluene	500	1000	0.7	0.7	-	0.031 UJ	0.0083 J	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	0.019 U	0.0058 U	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-100	B-101	B-102	B-103	B-104	B-105	B-106
DEPTH					0 - 4 ft	8 - 10 ft	0 - 1.5 ft	6 - 8 ft	4.5 - 5.5 ft	0 - 4 ft	0 - 4 ft
DATE					9/10/2007	9/10/2007	9/10/2007	9/10/2007	9/11/2007	9/11/2007	9/11/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B-100-1_091007	B-101-3_091007	B-102-1_091007	B-103-2_091007	B-104-2_091107	B-105-1_091107	B-106-1_091107
trans-1,3-Dichloropropene	-	-	-	-	-	0.019 UJ	0.0058 UJ	-	-	-	-
Trichloroethene	200	400	0.47	0.47	-	0.019 U	0.0058 U	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	0.019 U	0.00065 J	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	0.019 U	0.0058 U	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	-	0.019 U	0.0058 U	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	-	0.088 J	0.0052 J	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-107	B-108	B-109	B-110	B-111	B-112	B-114*
DEPTH					0 - 4 ft	0 - 4 ft	1 - 1.5 ft	0 - 3 ft	1.5 - 5 ft	0 - 6 ft	20.5 - 22.5 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-107-1_091107	B-108-1_091107	B-109-1_091107	B-110-1_091107	B-111-1_091107	B-112-1_091107	B-114-2_091107
Metals (mg/kg)											
Aluminum	-	-	-	-	-	2480	260	-	-	-	-
Antimony	-	-	-	-	0.47 J	2.2 J	6.6 UJ	5.6 J	7.5 UJ	1.8 J	7 UJ
Arsenic	16	16	16	13	**17.4** † **[B]**	**23.9** † **[B]**	3.4	13.7	6.4	10.2	1.8
Barium	400	10000	820	350	66.9	103	8.8 J	83.9	71.7	60.6 J	12.7 J
Beryllium	590	2700	47	7.2	-	0.33 J	0.55	-	-	-	-
Cadmium	9.3	60	7.5	2.5	0.58 U	0.51	0.55 U	0.62 U	0.13 J	0.29 J	0.59 U
Calcium	-	-	-	-	-	5240 J	696	-	-	-	-
Chromium	400	800	19	1	-	15.9	3.5	-	-	-	-
Cobalt	-	-	-	-	-	5.9	1 J	-	-	-	-
Copper	270	10000	1720	50	-	63.2 J	3.1	-	-	-	-
Cyanide (total)	27	10000	40	27	-	0.51 U	-	-	-	-	-
Iron	-	-	-	-	-	46100	1280	-	-	-	-
Lead	1000	3900	450	63	108 J	302 J	17.1 J	378 J	97.9 J	76.4	2.9
Magnesium	-	-	-	-	-	681	105 J	-	-	-	-
Manganese	10000	10000	2000	1600	-	656	5.6	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	0.15 J	0.12	-	-	-	-
Nickel	310	10000	130	30	-	15.2	2.8 J	-	-	-	-
Potassium	-	-	-	-	-	580	552 U	-	-	-	-
Selenium	1500	6800	4	3.9	-	2.5	1.6	-	-	-	-
Silver	1500	6800	8.3	2	-	1 U	1.1 U	-	-	-	-
Sodium	-	-	-	-	-	65.8 J	552 U	-	-	-	-
Thallium	-	-	-	-	-	1 J	0.83 J	-	-	-	-
Vanadium	-	-	-	-	-	8.3	4.7 J	-	-	-	-
Zinc	10000	10000	2480	109	-	96.3	8.2	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	0.034 U	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	0.034 U	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	0.034 U	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	0.034 U	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	0.034 U	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1		0.034 U	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	0.015 J	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	0.017 U	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	0.017 U	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	0.017 U	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	0.017 U	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	0.017 U	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	0.017 U	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	0.017 U	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	0.017 U	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	0.017 U	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	0.017 U	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-107	B-108	B-109	B-110	B-111	B-112	B-114*
DEPTH					0 - 4 ft	0 - 4 ft	1 - 1.5 ft	0 - 3 ft	1.5 - 5 ft	0 - 6 ft	20.5 - 22.5 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-107-1_091107	B-108-1_091107	B-109-1_091107	B-110-1_091107	B-111-1_091107	B-112-1_091107	B-114-2_091107
Endosulfan II	200	920	102	2.4	-	0.017 U	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	0.017 U	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	0.017 U	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	0.017 U	-	-	-	-	-
Endrin ketone	-	-	-	-	-	0.079	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	0.017 U	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	0.017 U	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	0.017 U	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	0.017 U	-	-	-	-	-
Methoxychlor	-	-	900	-	-	0.034 U	-	-	-	-	-
Toxaphene	-	-	-	-	-	0.69 U	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	0.38 U	0.85 U	1.5 UJ	-	-	1.8 U	-
2,4,5-Trichlorophenol	-	-	0.1	-	0.38 U [B]	0.85 U [B]	1.5 U [B]	-	-	1.8 U [B]	-
2,4,6-Trichlorophenol	-	-	-	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
2,4-Dichlorophenol	-	-	0.4	-	0.38 U	0.85 U [B]	1.5 U [B]	-	-	1.8 U [B]	-
2,4-Dimethylphenol	-	-	-	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
2,4-Dinitrophenol	-	-	0.2	-	1.9 U [B]	4.1 U [B]	7.1 U [B]	-	-	8.9 U [B]	-
2,4-Dinitrotoluene	-	-	-	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
2,6-Dinitrotoluene	-	-	1	-	0.38 U	0.85 U	1.5 U [B]	-	-	1.8 U [B]	-
2-Chloronaphthalene	-	-	-	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
2-Chlorophenol	-	-	-	-	0.38 U	0.85 U	1.5 UJ	-	-	1.8 U	-
2-Methyl naphthalene	-	-	36.4	-	0.13 J	0.16 J	0.14 J	-	-	0.18 J	-
2-Methylphenol	500	1000	0.33	0.33	0.38 U [B]	0.85 U [B]	1.5 UJ [B]	-	-	1.8 U [B]	-
2-Nitroaniline	-	-	0.4	-	1.9 U [B]	4.1 U [B]	7.1 U [B]	-	-	8.9 U [B]	-
2-Nitrophenol	-	-	0.3	-	0.38 U [B]	0.85 U [B]	1.5 U [B]	-	-	1.8 U [B]	-
3,3-Dichlorobenzidine	-	-	-	-	1.9 U	4.1 U	7.1 U	-	-	8.9 U	-
3-Nitroaniline	-	-	0.5	-	1.9 U [B]	4.1 U [B]	7.1 U [B]	-	-	8.9 U [B]	-
4,6-Dinitro-2-methylphenol	-	-	-	-	1.9 U	4.1 U	7.1 U	-	-	8.9 U	-
4-Bromophenyl phenyl ether	-	-	-	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
4-Chloro-3-methylphenol	-	-	-	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
4-Chloroaniline	-	-	0.22	-	0.38 U [B]	0.85 U [B]	1.5 U [B]	-	-	1.8 U [B]	-
4-Chlorophenyl phenyl ether	-	-	-	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
4-Methylphenol	500	1000	0.33	0.33	0.38 U [B]	0.85 U [B]	1.5 UJ [B]	-	-	1.8 U [B]	-
4-Nitroaniline	-	-	-	-	1.9 U	4.1 U	7.1 U	-	-	8.9 U	-
4-Nitrophenol	-	-	0.1	-	1.9 U	4.1 U [B]	7.1 U [B]	-	-	8.9 U [B]	-
Acenaphthene	500	1000	98	20	0.022 J	0.04 J	0.054 J	-	-	1.8 U	0.39 U
Acenaphthylene	500	1000	107	100	0.38 U	0.025 J	0.03 J	-	-	1.8 U	0.39 U
Acetophenone	-	-	-	-	0.037 J	0.066 J	0.29 UJ	-	-	0.37 U	-
Anthracene	500	1000	1000	100	0.38 U	0.11 J	1.5 U	-	-	1.8 U	0.39 U
Atrazine	-	-	-	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
Benzaldehyde	-	-	-	-	0.12 J	0.21 J	0.42 J	-	-	0.25 J	-
Benzo(a)anthracene	5.6	11	1	1	0.13 J	0.25 J	1.5 U [B]	-	-	0.2 J	0.39 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-107	B-108	B-109	B-110	B-111	B-112	B-114*
DEPTH					0 - 4 ft	0 - 4 ft	1 - 1.5 ft	0 - 3 ft	1.5 - 5 ft	0 - 6 ft	20.5 - 22.5 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-107-1_091107	B-108-1_091107	B-109-1_091107	B-110-1_091107	B-111-1_091107	B-112-1_091107	B-114-2_091107
Benzo(a)pyrene	1	1.1	22	1	0.096 J	0.31 J	0.13 J	-	-	0.27 J	0.39 U
Benzo(b)fluoranthene	5.6	11	1.7	1	0.22 J	0.49 J	0.34 J	-	-	0.34 J	0.39 U
Benzo(g,h,i)perylene	500	1000	1000	100	0.099 J	0.19 J	0.11 J	-	-	0.15 J	0.39 U
Benzo(k)fluoranthene	56	110	1.7	0.8	0.061 J	0.11 J	0.096 J	-	-	0.079 J	0.39 U
Biphenyl	-	-	-	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
bis(2-Chloroethoxy)methane	-	-	-	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
bis(2-Chloroethyl)ether	-	-	-	-	0.38 U	0.85 U	1.5 UJ	-	-	1.8 U	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
Butyl benzylphthalate	-	-	-	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
Caprolactam	-	-	-	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
Carbazole	-	-	-	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
Chrysene	56	110	1	1	0.47	0.98	1.1 J [B]	-	-	0.91 J	0.39 U
Dibenzo(a,h)anthracene	-	-			0.034 J	0.062 J	0.049 J	-	-	0.056 J	0.39 U
Dibenzofuran	350	1000	6.2	7	0.068 J	0.85 U	1.5 U	-	-	1.8 U	-
Diethyl phthalate	-	-	7.1	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
Dimethyl phthalate	-	-	27	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
Di-n-butylphthalate	-	-	8.1	-	0.38 U	0.58 J	1.5 U	-	-	1.8 U	-
Di-n-octyl phthalate	-	-	120	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
Fluoranthene	500	1000	1000	100	0.3 J	0.56 J	0.56 J	-	-	0.56 J	0.39 U
Fluorene	500	1000	386	30	0.38 U	0.046 J	1.5 U	-	-	1.8 U	0.39 U
Hexachlorobenzene	6	12	1.4	0.33	0.38 U	0.85 U	1.5 U [B]	-	-	1.8 U [B]	-
Hexachlorobutadiene	-	-	-	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
Hexachlorocyclopentadiene	-	-	-	-	1.9 U	4.1 U	7.1 U	-	-	8.9 U	-
Hexachloroethane	-	-	-	-	0.38 U	0.85 U	1.5 UJ	-	-	1.8 U	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	0.087 J	0.14 J	0.093 J	-	-	0.097 J	0.39 U
Isophorone	-	-	4.4	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
Naphthalene	500	1000	12	12	0.13 J	0.11 J	0.11 J	-	-	0.1 J	0.39 U
Nitrobenzene	69	140	0.17	-	0.38 U [B]	0.85 U [B]	1.5 U [B]	-	-	1.8 U [B]	-
N-Nitrosodi-n-propylamine	-	-	-	-	0.38 U	0.85 U	1.5 UJ	-	-	1.8 U	-
N-Nitrosodiphenylamine	-	-	-	-	0.38 U	0.85 U	1.5 U	-	-	1.8 U	-
Pentachlorophenol	6.7	55	0.8	0.8	0.38 U	0.85 U [B]	1.5 U [B]	-	-	1.8 U [B]	-
Phenanthrene	500	1000	1000	100	0.34 J	0.52 J	0.46 J	-	-	0.55 J	0.39 U
Phenol	500	1000	0.33	0.33	0.38 U [B]	0.85 U [B]	1.5 UJ [B]	-	-	1.8 U [B]	-
Pyrene	500	1000	1000	100	0.22 J	0.45 J	0.46 J	-	-	0.49 J	0.39 U
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	0.12 J	0.012 J	0.032 J	0.0063 U	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 UJ	-	-
1,1,2-Trichloroethane	-	-	-	-	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 UJ	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	0.01 UJ	0.011 UJ	0.012 UJ	0.013 UJ	-	-
1,2-Dibromoethane	-	-	-	-	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-

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TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-107	B-108	B-109	B-110	B-111	B-112	B-114*
DEPTH					0 - 4 ft	0 - 4 ft	1 - 1.5 ft	0 - 3 ft	1.5 - 5 ft	0 - 6 ft	20.5 - 22.5 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-107-1_091107	B-108-1_091107	B-109-1_091107	B-110-1_091107	B-111-1_091107	B-112-1_091107	B-114-2_091107
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	0.0012 J	0.0014 J	0.0062 UJ	0.0063 UJ	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
1,2-Dichloropropane	-	-	-	-	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	0.0022 J	0.0015 J	0.0062 UJ	0.0063 UJ	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	0.0026 J	0.0021 J	0.0016 J	0.0063 UJ	-	-
2-Butanone	500	1000	0.12	0.12	-	0.02 U	0.022 U	0.025 U	0.025 U	-	-
2-Hexanone	-	-	-	-	-	0.02 UJ	0.022 UJ	0.025 UJ	0.025 U	-	-
4-Methyl-2-pentanone	-	-	1	-	-	0.02 UJ	0.022 UJ	0.025 UJ	0.025 U	-	-
Acetone	500	1000	0.05	0.05	-	0.039 J	0.024 J	0.018 J	0.025 U	-	-
Benzene	44	89	0.06	0.06	-	0.0051 UJ	0.00025 J	0.0062 UJ	0.0063 U	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
Bromoform	-	-	-	-	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
Bromomethane	-	-	-	-	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
Carbon disulfide	-	-	2.7	-	-	0.0024 J	0.0055 UJ	0.0017 J	0.00097 J	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
Chlorobenzene	500	1000	1.1	1.1	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 UJ	-	-
Chloroethane	-	-	1.9	-	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
Chloroform	350	700	0.37	0.37	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
Chloromethane	-	-	-	-	-	0.0005 J	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
Cyclohexane	-	-	-	-	-	0.01 UJ	0.00087 J	0.00087 J	0.00063 J	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	0.0015 J	0.001 J	0.0011 J	0.0063 U	-	-
Ethylbenzene	390	780	1	1	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	0.01 UJ	0.011 UJ	0.012 UJ	0.013 U	-	-
Methyl cyclohexane	-	-	-	-	-	0.01 UJ	0.00061 J	0.00094 J	0.00093 J	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	0.02 UJ	0.022 UJ	0.025 UJ	0.025 U	-	-
Methylene chloride	500	1000	0.05	0.05	-	0.0019 J	0.0022 J	0.0022 J	0.0063 U	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 UJ	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
Toluene	500	1000	0.7	0.7	-	0.00078 J	0.0018 J	0.00055 J	0.0063 U	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-

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TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-107	B-108	B-109	B-110	B-111	B-112	B-114*
DEPTH					0 - 4 ft	0 - 4 ft	1 - 1.5 ft	0 - 3 ft	1.5 - 5 ft	0 - 6 ft	20.5 - 22.5 ft
DATE					9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B-107-1_091107	B-108-1_091107	B-109-1_091107	B-110-1_091107	B-111-1_091107	B-112-1_091107	B-114-2_091107
trans-1,3-Dichloropropene	-	-	-	-	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
Trichloroethene	200	400	0.47	0.47	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	0.00056 J	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
Vinyl chloride	13	27	0.02	0.02	-	0.0051 UJ	0.0055 UJ	0.0062 UJ	0.0063 U	-	-
Xylenes (total)	500	1000	1.6	0.26	-	0.01 UJ	0.011 UJ	0.012 UJ	0.013 UJ	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-115	B-116	B-117	B-119	B-119	B-119	B-121
DEPTH					12 - 16 ft	6 - 10 ft	3 - 4 ft	1 - 3 ft	16 - 20 ft	21 - 23 ft	1 - 3 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-115-4_091207	B-116-2_091207	B-117-1_091207	B-119-1_091207	B-119-5_091207	B-119-6_091207	B-121-1_091207
Metals (mg/kg)											
Aluminum	-	-	-	-	967	9020	-	-	-	-	-
Antimony	-	-	-	-	6.7 UJ	0.43 J	0.94 J	8.2 J	2.9 J	1 J	1.3 J
Arsenic	16	16	16	13	1.1	4.5	1.1 J	**39.6** † **[B]**	15.3	6.8	11.9
Barium	400	10000	820	350	11.4 J	62.4 J	61.8 J	64.8 J	81 J	46.2 J	47.2 J
Beryllium	590	2700	47	7.2	0.089 J	0.43 J	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	0.063 J	0.62 U	0.28 J	0.29 J	0.7	0.34 J	0.2 J
Calcium	-	-	-	-	249000	860	-	-	-	-	-
Chromium	400	800	19	1	2	10.3	-	-	-	-	-
Cobalt	-	-	-	-	0.84 J	7.5	-	-	-	-	-
Copper	270	10000	1720	50	4.6 J	9 J	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	2540	17800	-	-	-	-	-
Lead	1000	3900	450	63	1.5	30.4	55.7	954 [B]	348	139	85.2
Magnesium	-	-	-	-	4040 J	2320 J	-	-	-	-	-
Manganese	10000	10000	2000	1600	258	576	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	0.11 U	0.12 U	-	-	-	-	-
Nickel	310	10000	130	30	2.2 J	14.7	-	-	-	-	-
Potassium	-	-	-	-	314 J	1020	-	-	-	-	-
Selenium	1500	6800	4	3.9	0.55 U	0.62 U	-	-	-	-	-
Silver	1500	6800	8.3	2	1.1 U	1.2 U	-	-	-	-	-
Sodium	-	-	-	-	129 J	169 J	-	-	-	-	-
Thallium	-	-	-	-	1.1 U	1.2 U	-	-	-	-	-
Vanadium	-	-	-	-	2.3 J	11.2	-	-	-	-	-
Zinc	10000	10000	2480	109	14.6 J	40.9 J	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	0.037 U	0.041 U	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	0.037 U	0.041 U	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	0.037 U	0.041 U	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	0.037 U	0.041 U	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	0.037 U	0.041 U	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	0.037 U	0.041 U	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	0.037 U	0.041 U	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-115	B-116	B-117	B-119	B-119	B-119	B-121
DEPTH					12 - 16 ft	6 - 10 ft	3 - 4 ft	1 - 3 ft	16 - 20 ft	21 - 23 ft	1 - 3 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B-115-4_091207	B-116-2_091207	B-117-1_091207	B-119-1_091207	B-119-5_091207	B-119-6_091207	B-121-1_091207
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	0.51 U [B]	-	-	0.37 U [B]	1 U [B]
2,4,6-Trichlorophenol	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
2,4-Dichlorophenol	-	-	0.4	-	-	-	0.51 U [B]	-	-	0.37 U	1 U [B]
2,4-Dimethylphenol	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
2,4-Dinitrophenol	-	-	0.2	-	-	-	2.5 U [B]	-	-	1.8 U [B]	5.1 U [B]
2,4-Dinitrotoluene	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
2,6-Dinitrotoluene	-	-	1	-	-	-	0.51 U	-	-	0.37 U	1 U
2-Chloronaphthalene	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
2-Chlorophenol	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
2-Methyl naphthalene	-	-	36.4	-	-	-	0.048 J	-	-	0.37 U	0.31 J
2-Methylphenol	500	1000	0.33	0.33	-	-	0.51 U [B]	-	-	0.37 U [B]	1 U [B]
2-Nitroaniline	-	-	0.4	-	-	-	2.5 U [B]	-	-	1.8 U [B]	5.1 U [B]
2-Nitrophenol	-	-	0.3	-	-	-	0.51 U [B]	-	-	0.37 U [B]	1 U [B]
3,3-Dichlorobenzidine	-	-	-	-	-	-	2.5 U	-	-	1.8 U	5.1 U
3-Nitroaniline	-	-	0.5	-	-	-	2.5 U [B]	-	-	1.8 U [B]	5.1 U [B]
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	2.5 U	-	-	1.8 U	5.1 U
4-Bromophenyl phenyl ether	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
4-Chloro-3-methylphenol	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
4-Chloroaniline	-	-	0.22	-	-	-	0.51 U [B]	-	-	0.37 U [B]	1 U [B]
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
4-Methylphenol	500	1000	0.33	0.33	-	-	0.51 U [B]	-	-	0.37 U [B]	1 U [B]
4-Nitroaniline	-	-	-	-	-	-	2.5 U	-	-	1.8 U	5.1 U
4-Nitrophenol	-	-	0.1	-	-	-	2.5 U [B]	-	-	1.8 U [B]	5.1 U [B]
Acenaphthene	500	1000	98	20	0.14 J	8.2 U	0.51 U	-	-	0.37 U	0.029 J
Acenaphthylene	500	1000	107	100	1.5 U	8.2 U	0.51 U	-	-	0.37 U	0.27 J
Acetophenone	-	-	-	-	-	-	0.022 J	-	-	0.074 U	0.21 U
Anthracene	500	1000	1000	100	1.5 U	8.2 U	0.51 U	-	-	0.37 U	0.16 J
Atrazine	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
Benzaldehyde	-	-	-	-	-	-	0.064 J	-	-	0.37 U	0.12 J
Benzo(a)anthracene	5.6	11	1	1	1.5 U [B]	8.2 U [B]	0.062 J	-	-	0.37 U	0.41 J

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-115	B-116	B-117	B-119	B-119	B-119	B-121
DEPTH					12 - 16 ft	6 - 10 ft	3 - 4 ft	1 - 3 ft	16 - 20 ft	21 - 23 ft	1 - 3 ft
DATE					9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B-115-4_091207	B-116-2_091207	B-117-1_091207	B-119-1_091207	B-119-5_091207	B-119-6_091207	B-121-1_091207
Benzo(a)pyrene	1	1.1	22	1	**1.5 U †**	**8.2 U †**	0.51 U	-	-	0.37 U	0.37 J
Benzo(b)fluoranthene	5.6	11	1.7	1	1.5 U	**8.2 U [B]**	0.038 J	-	-	0.01 J	0.56 J
Benzo(g,h,i)perylene	500	1000	1000	100	1.5 U	8.2 U	0.017 J	-	-	0.37 U	0.3 J
Benzo(k)fluoranthene	56	110	1.7	0.8	1.5 U	8.2 U [B]	0.51 U	-	-	0.37 U	0.25 J
Biphenyl	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
bis(2-Chloroethyl)ether	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	0.51 U	-	-	0.68 U	1 U
Butyl benzylphthalate	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
Caprolactam	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
Carbazole	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
Chrysene	56	110	1	1	1.5 U [B]	8.2 U [B]	0.063 J	-	-	0.012 J	0.81 J
Dibenzo(a,h)anthracene	-	-			1.5 U	8.2 U	0.51 U	-	-	0.37 U	0.078 J
Dibenzofuran	350	1000	6.2	7	-	-	0.51 U	-	-	0.37 U	1 U
Diethyl phthalate	-	-	7.1	-	-	-	0.51 U	-	-	0.37 U	1 U
Dimethyl phthalate	-	-	27	-	-	-	0.51 U	-	-	0.37 U	1 U
Di-n-butylphthalate	-	-	8.1	-	-	-	0.51 U	-	-	0.37 U	1 U
Di-n-octyl phthalate	-	-	120	-	-	-	0.51 U	-	-	0.37 U	1 U
Fluoranthene	500	1000	1000	100	1.5 U	8.2 U	0.51 U	-	-	0.0095 J	0.67 J
Fluorene	500	1000	386	30	1.5 U	8.2 U	0.51 U	-	-	0.37 U	1 U
Hexachlorobenzene	6	12	1.4	0.33	-	-	0.51 U	-	-	0.37 U	1 U
Hexachlorobutadiene	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
Hexachlorocyclopentadiene	-	-	-	-	-	-	2.5 U	-	-	1.8 U	5.1 U
Hexachloroethane	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	1.5 U	**8.2 U**	0.51 U	-	-	0.37 U	0.23 J
Isophorone	-	-	4.4	-	-	-	0.51 U	-	-	0.37 U	1 U
Naphthalene	500	1000	12	12	1.5 U	12	0.019 J	-	-	0.37 U	1 U
Nitrobenzene	69	140	0.17	-	-	-	0.51 U [B]	-	-	0.37 U [B]	1 U [B]
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
N-Nitrosodiphenylamine	-	-	-	-	-	-	0.51 U	-	-	0.37 U	1 U
Pentachlorophenol	6.7	55	0.8	0.8	-	-	0.51 U	-	-	0.37 U	1 U [B]
Phenanthrene	500	1000	1000	100	0.31 J	0.18 J	0.084 J	-	-	0.0083 J	0.54 J
Phenol	500	1000	0.33	0.33	-	-	0.51 U [B]	-	-	0.37 U [B]	1 U [B]
Pyrene	500	1000	1000	100	1.5 U	8.2 U	0.022 J	-	-	0.0075 J	0.84 J
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	-	-	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	0.27 U	**210 J [B]**	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	-	-	-	-	-	-	-	-	-	-	-

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TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-115	B-116	B-117	B-119	B-119	B-119	B-121
DEPTH					12 - 16 ft	6 - 10 ft	3 - 4 ft	1 - 3 ft	16 - 20 ft	21 - 23 ft	1 - 3 ft
DATE					9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B-115-4_091207	B-116-2_091207	B-117-1_091207	B-119-1_091207	B-119-5_091207	B-119-6_091207	B-121-1_091207
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	0.27 U	68 J [B]	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	-	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	-	-	-	-	-
2-Butanone	500	1000	0.12	0.12	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	-	-	-	-	-	-	-
Acetone	500	1000	0.05	0.05	-	-	-	-	-	-	-
Benzene	44	89	0.06	0.06	0.27 U [B]	5.1 U [B]	-	-	-	-	-
Benzene, butyl	500	1000	12	12	2.1 J	12 J	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	2.7	-	-	-	-	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	-	-	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
Chloroethane	-	-	1.9	-	-	-	-	-	-	-	-
Chloroform	350	700	0.37	0.37	-	-	-	-	-	-	-
Chloromethane	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Cymene	-	-	-	-	0.27 U	3.9 J	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	390	780	1	1	0.27 U	12 J [B]	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	1.6 J	5.3 J [B]	-	-	-	-	-
m/p-Xylene	-	-	-	-	0.55 U	87	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	1.1 U [B]	21 U [B]	-	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	2.7 J	19 J [B]	-	-	-	-	-
o-Xylene	-	-	-	-	0.27 U	37	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	2 J	4.3 J	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	0.25 J	5.1 UJ	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	-	-	-	-	-
Toluene	500	1000	0.7	0.7	0.27 U	5.1 U [B]	-	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	-	-	-	-	-

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CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-115	B-116	B-117	B-119	B-119	B-119	B-121
DEPTH					12 - 16 ft	6 - 10 ft	3 - 4 ft	1 - 3 ft	16 - 20 ft	21 - 23 ft	1 - 3 ft
DATE					9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B-115-4_091207	B-116-2_091207	B-117-1_091207	B-119-1_091207	B-119-5_091207	B-119-6_091207	B-121-1_091207
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	200	400	0.47	0.47	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	-	-	-	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-121	B-123	B-124	B-124	B-125	B-125	B-127
DEPTH					21 - 25 ft	0 - 2 ft	0 - 4 ft	21 - 23 ft	6 - 8 ft	21 - 23 ft	1 - 3 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	9/12/2007	9/12/2007	9/13/2007	9/13/2007	9/13/2007	9/13/2007	9/13/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-121-5_091207	B-123-1_091207	B-124-1_091307	B-124-6FD_091307	B-125-2_091307	B-125-6_091307	B-127-1_091307
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	6.4 UJ	5.8 J	5.7 J	6.7 UJ	7.5 UJ	6.3 UJ	24.4 J
Arsenic	16	16	16	13	3.4	**25.6** † **[B]**	**16.9** † **[B]**	2.2	8.1	2.2	**30.2** † **[B]**
Barium	400	10000	820	350	102 J	60.5 J	85.2 J	26 J	30.6 J	33.3 J	71 J
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	0.16 J	0.13 J	0.56 J	0.066 J	0.63 U	0.081 J	0.4 J
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	5.1	351	632 [B]	2.9	9.2	2.7	712 [B]
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	0.041 U	0.035 U	0.04 U
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	0.041 U	0.035 U	0.04 U
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	0.041 U	0.035 U	0.04 U
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	0.041 U	0.035 U	0.04 U
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	0.041 U	0.035 U	0.04 U
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	0.041 U	0.035 U	0.04 U
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	0.041 U	0.035 U	0.04 U
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

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TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-121	B-123	B-124	B-124	B-125	B-125	B-127
DEPTH					21 - 25 ft	0 - 2 ft	0 - 4 ft	21 - 23 ft	6 - 8 ft	21 - 23 ft	1 - 3 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/12/2007	9/12/2007	9/13/2007	9/13/2007	9/13/2007	9/13/2007	9/13/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-121-5_091207	B-123-1_091207	B-124-1_091307	B-124-6FD_091307	B-125-2_091307	B-125-6_091307	B-127-1_091307
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	0.056 J
2,2-oxybis(1-Chloropropane)	-	-	-	-	0.35 U	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	0.35 U [B]	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	0.35 U	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	0.35 U	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	0.35 U	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	1.7 U [B]	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	0.35 U	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	0.35 U	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	0.35 U	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	0.35 U	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	0.35 U	-	-	-	-	-	0.076 J
2-Methylphenol	500	1000	0.33	0.33	0.35 U [B]	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	1.7 U [B]	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	0.35 U [B]	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	1.7 U	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	1.7 U [B]	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	1.7 U	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	0.35 U	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	0.35 U	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	0.35 U [B]	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	0.35 U	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	0.35 U [B]	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	1.7 U	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	1.7 U [B]	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	0.35 U	-	-	-	-	-	0.048 J
Acenaphthylene	500	1000	107	100	0.35 U	-	-	-	-	-	1.6 U
Acetophenone	-	-	-	-	0.071 U	-	-	-	-	-	-
Anthracene	500	1000	1000	100	0.35 U	-	-	-	-	-	0.11 J
Atrazine	-	-	-	-	0.35 U	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	0.35 U	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	0.35 U	-	-	-	-	-	0.2 J

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CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-121	B-123	B-124	B-124	B-125	B-125	B-127
DEPTH					21 - 25 ft	0 - 2 ft	0 - 4 ft	21 - 23 ft	6 - 8 ft	21 - 23 ft	1 - 3 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/12/2007	9/12/2007	9/13/2007	9/13/2007	9/13/2007	9/13/2007	9/13/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-121-5_091207	B-123-1_091207	B-124-1_091307	B-124-6FD_091307	B-125-2_091307	B-125-6_091307	B-127-1_091307
Benzo(a)pyrene	1	1.1	22	1	0.35 U	-	-	-	-	-	0.26 J
Benzo(b)fluoranthene	5.6	11	1.7	1	0.35 U	-	-	-	-	-	0.32 J
Benzo(g,h,i)perylene	500	1000	1000	100	0.35 U	-	-	-	-	-	0.21 J
Benzo(k)fluoranthene	56	110	1.7	0.8	0.35 U	-	-	-	-	-	0.074 J
Biphenyl	-	-	-	-	0.35 U	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	0.35 U	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	0.35 U	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	0.35 U	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	0.35 U	-	-	-	-	-	-
Caprolactam	-	-	-	-	0.35 U	-	-	-	-	-	-
Carbazole	-	-	-	-	0.35 U	-	-	-	-	-	-
Chrysene	56	110	1	1	0.35 U	-	-	-	-	-	0.51 J
Dibenzo(a,h)anthracene	-	-			0.35 U	-	-	-	-	-	0.056 J
Dibenzofuran	350	1000	6.2	7	0.35 U	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	0.35 U	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	0.35 U	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	0.35 U	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	0.35 U	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	0.35 U	-	-	-	-	-	0.47 J
Fluorene	500	1000	386	30	0.35 U	-	-	-	-	-	1.6 U
Hexachlorobenzene	6	12	1.4	0.33	0.35 U	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	0.35 U	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	1.7 U	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	0.35 U	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	0.35 U	-	-	-	-	-	0.13 J
Isophorone	-	-	4.4	-	0.35 U	-	-	-	-	-	-
Naphthalene	500	1000	12	12	0.35 U	-	-	-	-	-	0.056 J
Nitrobenzene	69	140	0.17	-	0.35 U [B]	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	0.35 U	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	0.35 U	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	0.35 U	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	0.35 U	-	-	-	-	-	0.61 J
Phenol	500	1000	0.33	0.33	0.35 U [B]	-	-	-	-	-	-
Pyrene	500	1000	1000	100	0.35 U	-	-	-	-	-	0.5 J
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	0.0072 UJ	0.0028 J	0.0056 U	0.0063 U	0.0052 U	0.086 J
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	0.0072 UJ	0.0063 UJ	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
1,1,2-Trichloroethane	-	-	-	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
1,1-Dichloroethane	240	480	0.27	0.27	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
1,1-Dichloroethene	500	1000	0.33	0.33	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
1,2,4-Trichlorobenzene	-	-	3.4	-	-	0.0072 UJ	0.0063 UJ	0.0056 UJ	0.0063 UJ	0.0052 UJ	0.006 U
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	0.014 UJ	0.013 UJ	0.011 U	0.013 U	0.01 U	0.012 UJ
1,2-Dibromoethane	-	-	-	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ

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CORNING, NEW YORK

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DEPTH					21 - 25 ft	0 - 2 ft	0 - 4 ft	21 - 23 ft	6 - 8 ft	21 - 23 ft	1 - 3 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/12/2007	9/12/2007	9/13/2007	9/13/2007	9/13/2007	9/13/2007	9/13/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-121-5_091207	B-123-1_091207	B-124-1_091307	B-124-6FD_091307	B-125-2_091307	B-125-6_091307	B-127-1_091307
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	0.001 J	0.0063 UJ	0.0056 U	0.0063 U	0.0052 U	0.00087 J
1,2-Dichloroethane	30	60	0.02	0.02	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
1,2-Dichloropropane	-	-	-	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	0.0011 J	0.0063 UJ	0.0056 U	0.0063 U	0.0052 U	0.001 J
1,4-Dichlorobenzene	130	250	1.8	1.8	-	0.0014 J	0.0063 UJ	0.0056 U	0.0063 U	0.0052 U	0.0012 J
2-Butanone	500	1000	0.12	0.12	-	0.029 U	0.025 U	0.022 U	0.025 U	0.021 U	0.003 J
2-Hexanone	-	-	-	-	-	0.029 UJ	0.025 U	0.022 U	0.025 U	0.021 U	0.024 UJ
4-Methyl-2-pentanone	-	-	1	-	-	0.029 UJ	0.025 U	0.022 U	0.025 U	0.021 U	0.024 UJ
Acetone	500	1000	0.05	0.05	-	0.029 U	0.025 U	0.022 U	0.025 U	0.021 U	0.027 U
Benzene	44	89	0.06	0.06	-	0.0072 UJ	0.0063 U	0.00037 J	0.0063 U	0.0052 U	0.00028 J
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
Bromoform	-	-	-	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
Bromomethane	-	-	-	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
Carbon disulfide	-	-	2.7	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.00075 J
Carbon tetrachloride	22	44	0.76	0.76	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
Chlorobenzene	500	1000	1.1	1.1	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
Chloroethane	-	-	1.9	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
Chloroform	350	700	0.37	0.37	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
Chloromethane	-	-	-	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
cis-1,3-Dichloropropene	-	-	-	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
Cyclohexane	-	-	-	-	-	0.014 UJ	0.013 U	0.00062 J	0.013 U	0.01 U	0.012 UJ
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.00061 J
Ethylbenzene	390	780	1	1	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	0.014 UJ	0.013 U	0.011 U	0.013 U	0.01 U	0.012 UJ
Methyl cyclohexane	-	-	-	-	-	0.014 UJ	0.013 U	0.00088 J	0.013 U	0.01 U	0.012 UJ
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	0.029 UJ	0.025 U	0.022 U	0.025 U	0.021 U	0.024 UJ
Methylene chloride	500	1000	0.05	0.05	-	0.0074 U	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.025 J
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
Toluene	500	1000	0.7	0.7	-	0.00043 J	0.0063 U	0.0014 J	0.0063 U	0.0052 U	0.00094 J
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-121	B-123	B-124	B-124	B-125	B-125	B-127
DEPTH					21 - 25 ft	0 - 2 ft	0 - 4 ft	21 - 23 ft	6 - 8 ft	21 - 23 ft	1 - 3 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	9/12/2007	9/12/2007	9/13/2007	9/13/2007	9/13/2007	9/13/2007	9/13/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-121-5_091207	B-123-1_091207	B-124-1_091307	B-124-6FD_091307	B-125-2_091307	B-125-6_091307	B-127-1_091307
trans-1,3-Dichloropropene	-	-	-	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
Trichloroethene	200	400	0.47	0.47	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
Vinyl chloride	13	27	0.02	0.02	-	0.0072 UJ	0.0063 U	0.0056 U	0.0063 U	0.0052 U	0.006 UJ
Xylenes (total)	500	1000	1.6	0.26	-	0.014 UJ	0.013 U	0.0024 J	0.013 U	0.01 U	0.012 UJ

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-127	B-128	B-128	B-129-MW	B-129-MW	B-130	B-131
DEPTH					21 - 23 ft	1 - 3 ft	20 - 22 ft	21 - 23 ft	25 - 27 ft	21 - 23 ft	1 - 3 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/13/2007	9/13/2007	9/13/2007	9/13/2007	9/13/2007	9/14/2007	9/14/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-127-6_091307	B-128-1_091307	B-128-6_091307	B-129-6_091307	B-129-7_091307	B-130-6_091407	B-131-1_091407
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	6.3 UJ	4.2 J	6.3 UJ	6.7 UJ	6.6 UJ	6.7 UJ	0.57 J
Arsenic	16	16	16	13	3.2	**121** † **[B]**	4.2	3.1	4	2	1.3 U
Barium	400	10000	820	350	21.3 J	75.4 J	30.2 J	28.6	52.4	13.7 J	10.4 J
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	0.13 J	0.46 J	0.13 J	0.56 U	0.18 J	0.3 J	0.63 U
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	2.8	397	4	3.4	6.2	2.8	0.96
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	0.035 U	-	-	-	-	-	0.042 U
Aroclor-1221	1	25	3.2	0.1	0.035 U	-	-	-	-	-	0.042 U
Aroclor-1232	1	25	3.2	0.1	0.035 U	-	-	-	-	-	0.042 U
Aroclor-1242	1	25	3.2	0.1	0.035 U	-	-	-	-	-	0.042 U
Aroclor-1248	1	25	3.2	0.1	0.035 U	-	-	-	-	-	0.042 U
Aroclor-1254	1	25	3.2	0.1	0.035 U	-	-	-	-	-	0.042 U
Aroclor-1260	1	25	3.2	0.1	0.035 U	-	-	-	-	-	0.042 U
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-127	B-128	B-128	B-129-MW	B-129-MW	B-130	B-131
DEPTH					21 - 23 ft	1 - 3 ft	20 - 22 ft	21 - 23 ft	25 - 27 ft	21 - 23 ft	1 - 3 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		9/13/2007	9/13/2007	9/13/2007	9/13/2007	9/13/2007	9/14/2007	9/14/2007
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B-127-6_091307	B-128-1_091307	B-128-6_091307	B-129-6_091307	B-129-7_091307	B-130-6_091407	B-131-1_091407
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	8.7 U	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	0.42 U
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	0.42 U [B]
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	0.42 U
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	0.42 U [B]
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	0.42 U
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	2 U [B]
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	0.42 U
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	0.42 U
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	0.42 U
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	0.42 U
2-Methyl naphthalene	-	-	36.4	-	8.7 U	-	-	-	-	-	0.42 U
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	0.42 U [B]
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	2 U [B]
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	0.42 U [B]
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	2 U
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	2 U [B]
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	2 U
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	0.42 U
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	0.42 U
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	0.42 U [B]
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	0.42 U
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	0.42 U [B]
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	2 U
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	2 U [B]
Acenaphthene	500	1000	98	20	2.1 J	0.029 J	0.35 U	0.37 U	0.018 J	0.53 J	0.42 U
Acenaphthylene	500	1000	107	100	8.7 U	0.033 J	0.35 U	0.37 U	0.36 U	1.8 U	0.42 U
Acetophenone	-	-	-	-	-	-	-	-	-	-	0.084 U
Anthracene	500	1000	1000	100	8.7 U	0.14 J	0.35 U	0.37 U	0.021 J	1.8 U	0.0098 J
Atrazine	-	-	-	-	-	-	-	-	-	-	0.42 U
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	0.42 U
Benzo(a)anthracene	5.6	11	1	1	**8.7 U [B]**	0.77 J	0.35 U	0.37 U	0.36 U	1.8 U [B]	0.017 J

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-127	B-128	B-128	B-129-MW	B-129-MW	B-130	B-131
DEPTH					21 - 23 ft	1 - 3 ft	20 - 22 ft	21 - 23 ft	25 - 27 ft	21 - 23 ft	1 - 3 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/13/2007	9/13/2007	9/13/2007	9/13/2007	9/13/2007	9/14/2007	9/14/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-127-6_091307	B-128-1_091307	B-128-6_091307	B-129-6_091307	B-129-7_091307	B-130-6_091407	B-131-1_091407
Benzo(a)pyrene	1	1.1	22	1	**8.7 U** †	0.6 J	0.35 U	0.37 U	0.36 U	**1.8 U** †	0.013 J
Benzo(b)fluoranthene	5.6	11	1.7	1	**8.7 U [B]**	1	0.35 U	0.37 U	0.36 U	1.8 U [B]	0.013 J
Benzo(g,h,i)perylene	500	1000	1000	100	8.7 U	0.58 J	0.35 U	0.37 U	0.36 U	1.8 U	0.42 U
Benzo(k)fluoranthene	56	110	1.7	0.8	8.7 U [B]	0.33 J	0.35 U	0.37 U	0.36 U	1.8 U [B]	0.42 U
Biphenyl	-	-	-	-	-	-	-	-	-	-	0.42 U
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	0.42 U
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	0.42 U
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	0.42 U
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	0.42 U
Caprolactam	-	-	-	-	-	-	-	-	-	-	0.42 U
Carbazole	-	-	-	-	-	-	-	-	-	-	0.42 U
Chrysene	56	110	1	1	8.7 U [B]	1.1 [B]	0.35 U	0.37 U	0.36 U	1.8 U [B]	0.016 J
Dibenzo(a,h)anthracene	-	-			8.7 U	0.16 J	0.35 U	0.37 U	0.36 U	1.8 U	0.42 U
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	0.42 U
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	0.42 U
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	0.42 U
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	0.42 U
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	0.42 U
Fluoranthene	500	1000	1000	100	8.7 U	1.5	0.35 U	0.37 U	0.36 U	1.8 U	0.037 J
Fluorene	500	1000	386	30	8.7 U	0.79 U	0.35 U	0.37 U	0.36 U	1.8 U	0.42 U
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	0.42 U
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	0.42 U
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	2 U
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	0.42 U
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	**8.7 U [B]**	0.44 J	0.35 U	0.37 U	0.36 U	1.8 U	0.42 U
Isophorone	-	-	4.4	-	-	-	-	-	-	-	0.42 U
Naphthalene	500	1000	12	12	8.7 U	0.79 U	0.35 U	0.37 U	0.36 U	1.8 U	0.42 U
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	0.42 U [B]
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	0.42 U
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	0.42 U
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	0.42 U
Phenanthrene	500	1000	1000	100	8.7 U	0.83	0.35 U	0.37 U	0.019 J	0.59 J	0.039 J
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	0.42 U [B]
Pyrene	500	1000	1000	100	8.7 U	1.2	0.35 U	0.37 U	0.0087 J	0.079 J	0.037 J
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
1,1,2,2-Tetrachloroethane	-	-	0.6	-	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
1,1,2-Trichloroethane	-	-	-	-	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
1,1-Dichloroethane	240	480	0.27	0.27	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
1,1-Dichloroethene	500	1000	0.33	0.33	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
1,2,4-Trichlorobenzene	-	-	3.4	-	0.26 UJ	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	0.006 UJ	0.053 U	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	0.52 U	-	-	0.55 U	0.011 U	0.54 U	0.013 U
1,2-Dibromoethane	-	-	-	-	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-127	B-128	B-128	B-129-MW	B-129-MW	B-130	B-131
DEPTH					21 - 23 ft	1 - 3 ft	20 - 22 ft	21 - 23 ft	25 - 27 ft	21 - 23 ft	1 - 3 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/13/2007	9/13/2007	9/13/2007	9/13/2007	9/13/2007	9/14/2007	9/14/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-127-6_091307	B-128-1_091307	B-128-6_091307	B-129-6_091307	B-129-7_091307	B-130-6_091407	B-131-1_091407
1,2-Dichlorobenzene	500	1000	1.1	1.1	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
1,2-Dichloroethane	30	60	0.02	0.02	0.26 U [B]	-	-	0.27 U [B]	0.0055 U	0.27 U [B]	0.0063 U
1,2-Dichloropropane	-	-	-	-	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	0.0007 J	0.053 U	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
1,4-Dichlorobenzene	130	250	1.8	1.8	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
2-Butanone	500	1000	0.12	0.12	1 U [B]	-	-	1.1 U [B]	0.022 U	1.1 U [B]	0.025 U
2-Hexanone	-	-	-	-	1 U	-	-	1.1 U	0.022 U	1.1 U	0.025 U
4-Methyl-2-pentanone	-	-	1	-	1 U	-	-	1.1 U [B]	0.022 U	1.1 U [B]	0.025 U
Acetone	500	1000	0.05	0.05	1 U [B]	-	-	1.1 U [B]	0.022 U	1.1 U [B]	0.084
Benzene	44	89	0.06	0.06	0.26 U [B]	0.00028 J	0.053 U	0.27 U [B]	0.0055 U	0.27 U [B]	0.0063 U
Benzene, butyl	500	1000	12	12	-	0.006 UJ	0.54 J	-	-	-	-
Bromodichloromethane	-	-	-	-	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
Bromoform	-	-	-	-	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
Bromomethane	-	-	-	-	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
Carbon disulfide	-	-	2.7	-	0.26 U	-	-	0.27 U	0.0014 J	0.27 U	0.0063 U
Carbon tetrachloride	22	44	0.76	0.76	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
Chlorobenzene	500	1000	1.1	1.1	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
Chloroethane	-	-	1.9	-	0.26 R	-	-	0.27 R	0.0055 U	0.27 R	0.0063 U
Chloroform	350	700	0.37	0.37	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
Chloromethane	-	-	-	-	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
cis-1,2-Dichloroethene	500	1000	0.25	0.25	0.26 U [B]	-	-	0.27 U [B]	0.0055 U	0.27 U [B]	0.0063 U
cis-1,3-Dichloropropene	-	-	-	-	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
Cyclohexane	-	-	-	-	0.52 U	-	-	0.55 U	0.0012 J	0.08 J	0.013 U
Cymene	-	-	-	-	-	0.006 UJ	0.053 U	-	-	-	-
Dibromochloromethane	-	-	-	-	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
Dichlorodifluoromethane (CFC-12)	-	-	-	-	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
Ethylbenzene	390	780	1	1	0.26 U	0.006 UJ	0.053 U	0.27 U	0.0055 U	0.27 U	0.0063 U
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	0.26 U	0.006 UJ	0.028 J	0.27 U	0.00042 J	0.41	0.0063 U
m/p-Xylene	-	-	-	-	-	0.012 UJ	0.11 U	-	-	-	-
Methyl acetate	-	-	-	-	0.52 U	-	-	0.55 U	0.011 U	0.54 U	0.013 U
Methyl cyclohexane	-	-	-	-	0.52 U	-	-	0.55 U	0.0014 J	0.08 J	0.013 U
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	1 U [B]	0.024 UJ	0.21 U	1.1 U [B]	0.022 U	1.1 U [B]	0.025 U
Methylene chloride	500	1000	0.05	0.05	0.26 U [B]	-	-	0.27 U [B]	0.0055 U	0.27 U [B]	0.014 U
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	0.006 UJ	0.078 J	-	-	-	-
o-Xylene	-	-	-	-	-	0.006 UJ	0.053 U	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	0.006 UJ	0.43 J	-	-	-	-
Styrene	-	-	-	-	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
tert-Butylbenzene	500	1000	5.9	5.9	-	0.006 UJ	0.059 J	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
Toluene	500	1000	0.7	0.7	0.26 U	0.00053 J	0.053 U	0.27 U	0.00054 J	0.27 U	0.0063 U
trans-1,2-Dichloroethene	500	1000	0.19	0.19	0.26 U [B]	-	-	0.27 U [B]	0.0055 U	0.27 U [B]	0.0063 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-127	B-128	B-128	B-129-MW	B-129-MW	B-130	B-131
DEPTH					21 - 23 ft	1 - 3 ft	20 - 22 ft	21 - 23 ft	25 - 27 ft	21 - 23 ft	1 - 3 ft
DATE					9/13/2007	9/13/2007	9/13/2007	9/13/2007	9/13/2007	9/14/2007	9/14/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B-127-6_091307	B-128-1_091307	B-128-6_091307	B-129-6_091307	B-129-7_091307	B-130-6_091407	B-131-1_091407
trans-1,3-Dichloropropene	-	-	-	-	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
Trichloroethene	200	400	0.47	0.47	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
Trichlorofluoromethane (CFC-11)	-	-	-	-	0.26 R	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
Trifluorotrichloroethane (Freon 113)	-	-	-	-	0.26 U	-	-	0.27 U	0.0055 U	0.27 U	0.0063 U
Vinyl chloride	13	27	0.02	0.02	0.26 U [B]	-	-	0.27 U [B]	0.0055 U	0.27 U [B]	0.0063 U
Xylenes (total)	500	1000	1.6	0.26	0.52 U	-	-	0.55 U	0.011 U	0.54 U	0.013 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-132	B-133	B-133	B-134	B-135	B-136	B-136
DEPTH					5 - 7 ft	1 - 3 ft	22 - 24 ft	0 - 3 ft	1 - 3 ft	1 - 3 ft	22 - 24 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/14/2007	9/17/2007	9/17/2007	9/17/2007	9/17/2007	9/17/2007	9/17/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-132-2_091407	B-133-1_091707	B-133-6_091707	B-134-1_091707	B-135-1_091707	B-136-1_091707	B-136-6_091707
Metals (mg/kg)											
Aluminum	-	-	-	-	-	6630	2850	-	-	-	-
Antimony	-	-	-	-	4.3 J	1.9 J	6.7 U	1.7 J	2.7 J	1.3 J	6.5 U
Arsenic	16	16	16	13	**215** † **[B]**	9.5	2.6	10.9	11.3	13.4	2.3
Barium	400	10000	820	350	94.5	71.1	16.9 J	58.5	133	41.4	36.4
Beryllium	590	2700	47	7.2	-	0.27 J	0.066 J	-	-	-	-
Cadmium	9.3	60	7.5	2.5	0.036 J	0.69	0.17 J	0.1 J	2.1	0.18 J	0.07 J
Calcium	-	-	-	-	-	5210	33200	-	-	-	-
Chromium	400	800	19	1	-	9.3	3.6	-	-	-	-
Cobalt	-	-	-	-	-	6.5	2.6 J	-	-	-	-
Copper	270	10000	1720	50	-	83.4	14.4	-	-	-	-
Cyanide (total)	27	10000	40	27	-	0.14 J	0.56 U	-	-	-	-
Iron	-	-	-	-	-	17000	7340	-	-	-	-
Lead	1000	3900	450	63	35.4	178	3.4	235	**1280** **[B]**	9.9	3.8
Magnesium	-	-	-	-	-	2310	4820	-	-	-	-
Manganese	10000	10000	2000	1600	-	298	295	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	0.04 J	0.11 U	-	-	-	-
Nickel	310	10000	130	30	-	13.3	6.5	-	-	-	-
Potassium	-	-	-	-	-	772	267 J	-	-	-	-
Selenium	1500	6800	4	3.9	-	0.62 U	0.56 U	-	-	-	-
Silver	1500	6800	8.3	2	-	1.2 U	1.1 U	-	-	-	-
Sodium	-	-	-	-	-	207 J	83.8 J	-	-	-	-
Thallium	-	-	-	-	-	5.6	1.1 U	-	-	-	-
Vanadium	-	-	-	-	-	10.6	4.4 J	-	-	-	-
Zinc	10000	10000	2480	109	-	70.9	62.9	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	0.041 U	0.041 U	0.037 U	-	0.047 U	0.043 U	0.036 U
Aroclor-1221	1	25	3.2	0.1	0.041 U	0.041 U	0.037 U	-	0.047 U	0.043 U	0.036 U
Aroclor-1232	1	25	3.2	0.1	0.041 U	0.041 U	0.037 U	-	0.047 U	0.043 U	0.036 U
Aroclor-1242	1	25	3.2	0.1	0.041 U	0.041 U	0.037 U	-	0.047 U	0.043 U	0.036 U
Aroclor-1248	1	25	3.2	0.1	0.041 U	0.041 U	0.037 U	-	0.047 U	0.043 U	0.036 U
Aroclor-1254	1	25	3.2	0.1	0.041 U	0.041 U	0.037 U	-	0.047 U	0.043 U	0.036 U
Aroclor-1260	1	25	3.2	0.1	0.041 U	0.041 U	0.037 U	-	0.047 U	0.043 U	0.036 U
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	0.0042 U	0.0019 U	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	0.0042 U	0.0019 U	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	0.0042 U	0.0019 U	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	0.0042 U	0.0019 U	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	0.0042 U	0.0019 U	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	0.0042 U	0.0019 U	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	0.0042 U	0.0019 U	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	0.0042 U	0.0019 U	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	0.0042 U	0.0019 U	-	-	-	-
Endosulfan I	200	920	102	2.4	-	0.0042 U	0.0019 U	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-132	B-133	B-133	B-134	B-135	B-136	B-136
DEPTH					5 - 7 ft	1 - 3 ft	22 - 24 ft	0 - 3 ft	1 - 3 ft	1 - 3 ft	22 - 24 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/14/2007	9/17/2007	9/17/2007	9/17/2007	9/17/2007	9/17/2007	9/17/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-132-2_091407	B-133-1_091707	B-133-6_091707	B-134-1_091707	B-135-1_091707	B-136-1_091707	B-136-6_091707
Endosulfan II	200	920	102	2.4	-	0.0042 U	0.0019 U	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	0.0042 U	0.0019 U	-	-	-	-
Endrin	89	410	0.06	0.014	-	0.0042 U	0.0019 U	-	-	-	-
Endrin aldehyde	-	-	-	-	-	0.0042 U	0.0019 U	-	-	-	-
Endrin ketone	-	-	-	-	-	0.0019 J	0.0019 U	-	-	-	-
gamma-Chlordane	-	-	14	-	-	0.0042 U	0.0019 U	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	0.0042 U	0.0019 U	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	0.0042 U	0.0019 U	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	0.0042 U	0.0019 U	-	-	-	-
Methoxychlor	-	-	900	-	-	0.0082 U	0.0037 U	-	-	-	-
Toxaphene	-	-	-	-	-	0.17 U	0.075 U	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	0.43 U	1.9 J
2,2-oxybis(1-Chloropropane)	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	0.41 U [B]	0.41 U [B]	0.37 U [B]	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	0.41 U [B]	0.41 U [B]	0.37 U	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	2 U [B]	2 U [B]	1.8 U [B]	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	0.41 U	0.41 U	0.37 U	-	-	-	-
2-Chloronaphthalene	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
2-Chlorophenol	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	0.41 U	0.016 J	0.37 U	-	-	0.43 U	3.6 U
2-Methylphenol	500	1000	0.33	0.33	0.41 U [B]	0.41 U [B]	0.37 U [B]	-	-	-	-
2-Nitroaniline	-	-	0.4	-	2 U [B]	2 U [B]	1.8 U [B]	-	-	-	-
2-Nitrophenol	-	-	0.3	-	0.41 U [B]	0.41 U [B]	0.37 U [B]	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	2 U	2 U	1.8 U	-	-	-	-
3-Nitroaniline	-	-	0.5	-	2 U [B]	2 U [B]	1.8 U [B]	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	2 U	2 U	1.8 U	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
4-Chloroaniline	-	-	0.22	-	0.41 U [B]	0.41 U [B]	0.37 U [B]	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	0.41 U [B]	0.41 U [B]	0.37 U [B]	-	-	-	-
4-Nitroaniline	-	-	-	-	2 U	2 U	1.8 U	-	-	-	-
4-Nitrophenol	-	-	0.1	-	2 U [B]	2 U [B]	1.8 U [B]	-	-	-	-
Acenaphthene	500	1000	98	20	0.41 U	0.41 U	0.37 U	-	-	0.43 U	0.5 J
Acenaphthylene	500	1000	107	100	0.41 U	0.41 U	0.37 U	-	-	0.43 U	3.6 U
Acetophenone	-	-	-	-	0.082 U	0.082 U	0.075 U	-	-	-	-
Anthracene	500	1000	1000	100	0.41 U	0.01 J	0.37 U	-	-	0.43 U	0.11 J
Atrazine	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
Benzaldehyde	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	0.41 U	0.045 J	0.37 U	-	-	0.43 U	3.6 U [B]

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TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-132	B-133	B-133	B-134	B-135	B-136	B-136
DEPTH					5 - 7 ft	1 - 3 ft	22 - 24 ft	0 - 3 ft	1 - 3 ft	1 - 3 ft	22 - 24 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/14/2007	9/17/2007	9/17/2007	9/17/2007	9/17/2007	9/17/2007	9/17/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-132-2_091407	B-133-1_091707	B-133-6_091707	B-134-1_091707	B-135-1_091707	B-136-1_091707	B-136-6_091707
Benzo(a)pyrene	1	1.1	22	1	0.41 U	0.035 J	0.37 U	-	-	0.43 U	**3.6 U** †
Benzo(b)fluoranthene	5.6	11	1.7	1	0.41 U	0.066 J	0.37 U	-	-	0.021 J	3.6 U [B]
Benzo(g,h,i)perylene	500	1000	1000	100	0.41 U	0.045 J	0.37 U	-	-	0.065 J	3.6 U
Benzo(k)fluoranthene	56	110	1.7	0.8	0.41 U	0.021 J	0.37 U	-	-	0.43 U	3.6 U [B]
Biphenyl	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
Butyl benzylphthalate	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
Caprolactam	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
Carbazole	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
Chrysene	56	110	1	1	0.41 U	0.091 J	0.37 U	-	-	0.055 J	3.6 U [B]
Dibenzo(a,h)anthracene	-	-			0.41 U	0.012 J	0.37 U	-	-	0.43 U	3.6 U
Dibenzofuran	350	1000	6.2	7	0.41 U	0.41 U	0.37 U	-	-	-	-
Diethyl phthalate	-	-	7.1	-	0.41 U	0.41 U	0.37 U	-	-	-	-
Dimethyl phthalate	-	-	27	-	0.41 U	0.41 U	0.37 U	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	0.41 U	0.41 U	0.37 U	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	0.41 U	0.41 U	0.37 U	-	-	-	-
Fluoranthene	500	1000	1000	100	0.41 U	0.075 J	0.37 U	-	-	0.011 J	3.6 U
Fluorene	500	1000	386	30	0.41 U	0.41 U	0.37 U	-	-	0.43 U	0.66 J
Hexachlorobenzene	6	12	1.4	0.33	0.41 U	0.41 U	0.37 U	-	-	-	-
Hexachlorobutadiene	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	2 U	2 U	1.8 U	-	-	-	-
Hexachloroethane	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	0.41 U	0.033 J	0.37 U	-	-	0.0095 J	3.6 U
Isophorone	-	-	4.4	-	0.41 U	0.41 U	0.37 U	-	-	-	-
Naphthalene	500	1000	12	12	0.41 U	0.011 J	0.37 U	-	-	0.43 U	3.6 U
Nitrobenzene	69	140	0.17	-	0.41 U [B]	0.41 U [B]	0.37 U [B]	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	0.41 U	0.41 U	0.37 U	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	0.41 U	0.41 U	0.37 U	-	-	-	-
Phenanthrene	500	1000	1000	100	0.41 U	0.066 J	0.37 U	-	-	0.025 J	0.91 J
Phenol	500	1000	0.33	0.33	0.41 U [B]	0.41 U [B]	0.37 U [B]	-	-	-	-
Pyrene	500	1000	1000	100	0.41 U	0.066 J	0.37 U	-	-	0.012 J	3.6 U
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	0.0017 J	0.0036 J	0.0056 U	-	0.0071 U	0.02 J	0.26 U
1,1,2,2-Tetrachloroethane	-	-	0.6	-	0.0062 U	0.0062 UJ	0.0056 U	-	0.0071 UJ	0.0066 UJ	0.26 U
1,1,2-Trichloroethane	-	-	-	-	0.0062 U	0.0062 UJ	0.0056 U	-	0.0071 U	0.0066 UJ	0.26 U
1,1-Dichloroethane	240	480	0.27	0.27	0.0062 U	0.0062 U	0.0056 U	-	0.0071 U	0.0066 U	0.26 U
1,1-Dichloroethene	500	1000	0.33	0.33	0.0062 U	0.0062 U	0.0056 U	-	0.0071 U	0.0066 U	0.26 U
1,2,4-Trichlorobenzene	-	-	3.4	-	0.0062 U	0.0062 UJ	0.0056 U	-	0.0071 UJ	0.0066 UJ	0.26 U
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	0.012 U	0.012 UJ	0.011 U	-	0.014 UJ	0.013 UJ	0.53 U
1,2-Dibromoethane	-	-	-	-	0.0062 U	0.0062 UJ	0.0056 U	-	0.0071 U	0.0066 U	0.26 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-132	B-133	B-133	B-134	B-135	B-136	B-136
DEPTH					5 - 7 ft	1 - 3 ft	22 - 24 ft	0 - 3 ft	1 - 3 ft	1 - 3 ft	22 - 24 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/14/2007	9/17/2007	9/17/2007	9/17/2007	9/17/2007	9/17/2007	9/17/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-132-2_091407	B-133-1_091707	B-133-6_091707	B-134-1_091707	B-135-1_091707	B-136-1_091707	B-136-6_091707
1,2-Dichlorobenzene	500	1000	1.1	1.1	0.0062 U	0.0062 UJ	0.0056 U	-	0.0071 UJ	0.0066 UJ	0.26 U
1,2-Dichloroethane	30	60	0.02	0.02	0.0062 U	0.0062 U	0.0056 U	-	0.0071 U	0.0066 U	0.26 U [B]
1,2-Dichloropropane	-	-	-	-	0.0062 U	0.0062 U	0.0056 U	-	0.0071 U	0.0066 U	0.26 U
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	0.0062 U	0.0062 UJ	0.0056 U	-	0.0071 UJ	0.0066 UJ	0.26 U
1,4-Dichlorobenzene	130	250	1.8	1.8	0.0062 U	0.0062 UJ	0.0056 U	-	0.0071 UJ	0.0066 UJ	0.26 U
2-Butanone	500	1000	0.12	0.12	0.025 U	0.025 U	0.022 U	-	0.029 U	0.026 U	1.1 U [B]
2-Hexanone	-	-	-	-	0.025 U	0.025 UJ	0.022 U	-	0.029 U	0.026 UJ	1.1 U
4-Methyl-2-pentanone	-	-	1	-	0.025 U	0.025 U	0.022 U	-	0.029 U	0.026 U	1.1 U [B]
Acetone	500	1000	0.05	0.05	0.025 U	0.22	0.022 U	-	0.029 U	0.035 U	1.1 U [B]
Benzene	44	89	0.06	0.06	0.0062 U	0.0062 U	0.0056 U	-	0.00041 J	0.0066 U	0.26 U [B]
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	0.0062 U	0.0062 U	0.0056 U	-	0.0071 U	0.0066 U	0.26 U
Bromoform	-	-	-	-	0.0062 U	0.0062 UJ	0.0056 U	-	0.0071 U	0.0066 UJ	0.26 U
Bromomethane	-	-	-	-	0.0062 U	0.0062 UJ	0.0056 U	-	0.0071 U	0.0066 U	0.26 U
Carbon disulfide	-	-	2.7	-	0.0062 U	0.0062 U	0.0056 U	-	0.0071 U	0.00058 J	0.26 U
Carbon tetrachloride	22	44	0.76	0.76	0.0062 U	0.0062 U	0.0056 U	-	0.0071 U	0.0066 U	0.26 U
Chlorobenzene	500	1000	1.1	1.1	0.0062 U	0.0062 UJ	0.0056 U	-	0.0071 U	0.0066 UJ	0.26 U
Chloroethane	-	-	1.9	-	0.0062 U	0.0062 U	0.0056 U	-	0.0071 U	0.0066 U	0.26 U
Chloroform	350	700	0.37	0.37	0.0062 U	0.0062 U	0.0056 U	-	0.0071 U	0.00066 J	0.26 U
Chloromethane	-	-	-	-	0.0062 U	0.0062 U	0.0056 U	-	0.0071 U	0.0066 U	0.26 U
cis-1,2-Dichloroethene	500	1000	0.25	0.25	0.0062 U	0.0062 U	0.0056 U	-	0.0071 U	0.0066 U	0.26 U [B]
cis-1,3-Dichloropropene	-	-	-	-	0.0062 U	0.0062 U	0.0056 U	-	0.0071 U	0.0066 U	0.26 U
Cyclohexane	-	-	-	-	0.012 U	0.012 U	0.011 U	-	0.014 U	0.00068 J	0.53 U
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	0.0062 U	0.0062 UJ	0.0056 U	-	0.0071 U	0.0066 UJ	0.26 U
Dichlorodifluoromethane (CFC-12)	-	-	-	-	0.0062 U	0.0062 UJ	0.0056 U	-	0.0071 U	0.0066 U	0.26 U
Ethylbenzene	390	780	1	1	0.0062 U	0.0062 UJ	0.0056 U	-	0.0071 U	0.0066 UJ	0.26 U
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	0.0062 U	0.0062 UJ	0.0056 U	-	0.0071 U	0.0066 UJ	0.19 J
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	0.012 U	0.012 U	0.011 U	-	0.014 U	0.013 U	0.53 U
Methyl cyclohexane	-	-	-	-	0.012 U	0.012 U	0.011 U	-	0.014 U	0.013 U	0.53 U
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	0.025 U	0.025 U	0.022 U	-	0.029 U	0.026 U	1.1 U [B]
Methylene chloride	500	1000	0.05	0.05	0.0062 U	0.021	0.0056 U	-	0.0071 U	0.0066 U	0.26 U [B]
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	0.0062 U	0.0062 UJ	0.0056 U	-	0.0071 U	0.0066 UJ	0.26 U
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	0.0062 U	0.0013 J	0.0056 U	-	0.0071 U	0.0066 UJ	0.26 U
Toluene	500	1000	0.7	0.7	0.0062 U	0.00075 J	0.0056 U	-	0.0071 U	0.0066 UJ	0.26 U
trans-1,2-Dichloroethene	500	1000	0.19	0.19	0.0062 U	0.0062 U	0.0056 U	-	0.0071 U	0.0066 U	0.26 U [B]

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-132	B-133	B-133	B-134	B-135	B-136	B-136
DEPTH					5 - 7 ft	1 - 3 ft	22 - 24 ft	0 - 3 ft	1 - 3 ft	1 - 3 ft	22 - 24 ft
DATE					9/14/2007	9/17/2007	9/17/2007	9/17/2007	9/17/2007	9/17/2007	9/17/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B-132-2_091407	B-133-1_091707	B-133-6_091707	B-134-1_091707	B-135-1_091707	B-136-1_091707	B-136-6_091707
trans-1,3-Dichloropropene	-	-	-	-	0.0062 U	0.0062 UJ	0.0056 U	-	0.0071 U	0.0066 UJ	0.26 U
Trichloroethene	200	400	0.47	0.47	0.0062 U	0.0062 U	0.0056 U	-	0.0071 U	0.0066 U	0.26 U
Trichlorofluoromethane (CFC-11)	-	-	-	-	0.0062 U	0.0062 UJ	0.0056 UJ	-	0.0071 U	0.0066 U	0.26 U
Trifluorotrichloroethane (Freon 113)	-	-	-	-	0.0062 U	0.0062 U	0.0056 U	-	0.0071 U	0.0066 U	0.26 U
Vinyl chloride	13	27	0.02	0.02	0.0062 U	0.0062 U	0.0056 U	-	0.0071 U	0.0066 U	0.26 U [B]
Xylenes (total)	500	1000	1.6	0.26	0.012 U	0.012 UJ	0.011 U	-	0.014 U	0.013 UJ	0.53 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-137	B-138	B-139	B-140	B-141	B-141	B-142
DEPTH					12 - 16 ft	20 - 23 ft	22 - 24 ft	4 - 8 ft	0 - 4 ft	0 - 4 ft	0 - 6 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	9/17/2007	9/17/2007	9/18/2007	9/18/2007	9/18/2007	9/18/2007	9/18/2007
SAMPLE TYPE					N	N	N	N	FD	N	N
SAMPLE NAME					B-137-4_091707	B-138-5_091707	B-139-6_091807	B-140-1_091807	B-141-FD_091807	B-141-1_091807	B-142-MW-1_09180
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	4210	2670	-
Antimony	-	-	-	-	0.85 J	6.6 U	0.53 J	0.89 J	3.3 J	2.4 J	-
Arsenic	16	16	16	13	9.3	3.7	2.9	3.9	13.7	7.8	-
Barium	400	10000	820	350	56	19.3 J	19 J	19.9 J	65.3	46.5	-
Beryllium	590	2700	47	7.2	-	-	-	-	0.18 J	0.24 J	-
Cadmium	9.3	60	7.5	2.5	0.089 J	0.075 J	0.091 J	0.057 J	0.2 J	0.11 J	-
Calcium	-	-	-	-	-	-	-	-	1880	1480	-
Chromium	400	800	19	1	-	-	-	-	16.7	11.7	-
Cobalt	-	-	-	-	-	-	-	-	15.8	18.6	-
Copper	270	10000	1720	50	-	-	-	-	**447**	269	-
Cyanide (total)	27	10000	40	27	-	-	-	0.58 U	-	-	-
Iron	-	-	-	-	-	-	-	-	70300	71700	-
Lead	1000	3900	450	63	27.8	5.2	3.9	15.2	197	143	-
Magnesium	-	-	-	-	-	-	-	-	624	335 J	-
Manganese	10000	10000	2000	1600	-	-	-	-	236	125	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	**39.9** † **[B]**	**3.1 [B]**	-
Nickel	310	10000	130	30	-	-	-	-	27.4	27.8	-
Potassium	-	-	-	-	-	-	-	-	892	828	-
Selenium	1500	6800	4	3.9	-	-	-	-	2.4	2.4	-
Silver	1500	6800	8.3	2	-	-	-	-	1.2 U	1.3 U	-
Sodium	-	-	-	-	-	-	-	-	178 J	202 J	-
Thallium	-	-	-	-	-	-	-	-	1.2 U	1.3 U	-
Vanadium	-	-	-	-	-	-	-	-	35.9	17.5	-
Zinc	10000	10000	2480	109	-	-	-	-	117	87.3	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	0.038 U	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	0.038 U	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	0.038 U	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	0.038 U	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	0.038 U	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	0.038 U	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	0.038 U	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	0.002 U	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	0.002 U	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	0.002 U	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	0.002 U	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	0.002 U	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	0.002 U	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	0.002 U	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	0.002 U	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	0.002 U	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	0.002 U	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-137	B-138	B-139	B-140	B-141	B-141	B-142
DEPTH					12 - 16 ft	20 - 23 ft	22 - 24 ft	4 - 8 ft	0 - 4 ft	0 - 4 ft	0 - 6 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		9/17/2007	9/17/2007	9/18/2007	9/18/2007	9/18/2007	9/18/2007	9/18/2007
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	FD	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B-137-4_091707	B-138-5_091707	B-139-6_091807	B-140-1_091807	B-141-FD_091807	B-141-1_091807	-142-MW-1_09180
Endosulfan II	200	920	102	2.4	-	-	-	0.002 U	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	0.002 U	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	0.002 U	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	0.002 U	-	-	-
Endrin ketone	-	-	-	-	-	-	-	0.002 U	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	0.002 U	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	0.002 U	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	0.002 U	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	0.002 U	-	-	-
Methoxychlor	-	-	900	-	-	-	-	0.0038 U	-	-	-
Toxaphene	-	-	-	-	-	-	-	0.078 U	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	6.1	0.36 U	0.012 J	-	0.0096 J	0.0087 J	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	0.38 U	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	0.38 U [B]	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	0.38 U	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	0.38 U	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	0.38 U	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	1.9 U [B]	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	0.38 U	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	0.38 U	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	0.38 U	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	0.38 U	-	-	-
2-Methyl naphthalene	-	-	36.4	-	9.6	0.36 U	0.011 J	0.38 U	0.014 J	0.013 J	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	0.38 U [B]	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	1.9 U [B]	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	0.38 U [B]	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	1.9 U	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	1.9 U [B]	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	1.9 U	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	0.38 U	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	0.38 U	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	0.38 U [B]	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	0.38 U	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	0.38 U [B]	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	1.9 U	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	1.9 U [B]	-	-	-
Acenaphthene	500	1000	98	20	0.9 J	0.36 U	0.34 U	0.38 U	0.0083 J	0.41 U	-
Acenaphthylene	500	1000	107	100	2.8 U	0.36 U	0.34 U	0.38 U	0.4 U	0.41 U	-
Acetophenone	-	-	-	-	-	-	-	0.078 U	-	-	-
Anthracene	500	1000	1000	100	0.26 J	0.36 U	0.34 U	0.38 U	0.028 J	0.014 J	-
Atrazine	-	-	-	-	-	-	-	0.38 U	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	0.38 U	-	-	-
Benzo(a)anthracene	5.6	11	1	1	2.8 U [B]	0.36 U	0.34 U	0.38 U	0.085 J	0.044 J	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-137	B-138	B-139	B-140	B-141	B-141	B-142
DEPTH					12 - 16 ft	20 - 23 ft	22 - 24 ft	4 - 8 ft	0 - 4 ft	0 - 4 ft	0 - 6 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	9/17/2007	9/17/2007	9/18/2007	9/18/2007	9/18/2007	9/18/2007	9/18/2007
SAMPLE TYPE					N	N	N	N	FD	N	N
SAMPLE NAME					B-137-4_091707	B-138-5_091707	B-139-6_091807	B-140-1_091807	B-141-FD_091807	B-141-1_091807	-142-MW-1_09180
Benzo(a)pyrene	1	1.1	22	1	**2.8 U** †	0.36 U	0.34 U	0.38 U	0.074 J	0.045 J	-
Benzo(b)fluoranthene	5.6	11	1.7	1	2.8 U [B]	0.36 U	0.34 U	0.38 U	0.13 J	0.079 J	-
Benzo(g,h,i)perylene	500	1000	1000	100	2.8 U	0.36 U	0.34 U	0.38 U	0.077 J	0.079 J	-
Benzo(k)fluoranthene	56	110	1.7	0.8	2.8 U [B]	0.36 U	0.34 U	0.38 U	0.031 J	0.02 J	-
Biphenyl	-	-	-	-	-	-	-	0.38 U	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	0.38 U	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	0.38 U	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	0.38 U	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	0.38 U	-	-	-
Caprolactam	-	-	-	-	-	-	-	0.38 U	-	-	-
Carbazole	-	-	-	-	-	-	-	0.38 U	-	-	-
Chrysene	56	110	1	1	2.8 U [B]	0.36 U	0.34 U	0.38 U	0.17 J	0.1 J	-
Dibenzo(a,h)anthracene	-	-			2.8 U	0.36 U	0.34 U	0.38 U	0.019 J	0.017 J	-
Dibenzofuran	350	1000	6.2	7	-	-	-	0.38 U	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	0.38 U	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	0.38 U	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	0.38 U	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	0.38 U	-	-	-
Fluoranthene	500	1000	1000	100	2.8 U	0.36 U	0.34 U	0.38 U	0.23 J	0.086 J	-
Fluorene	500	1000	386	30	1.1 J	0.36 U	0.34 U	0.38 U	0.012 J	0.41 U	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	0.38 U	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	0.38 U	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	1.9 U	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	0.38 U	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	2.8 U	0.36 U	0.34 U	0.38 U	0.049 J	0.035 J	-
Isophorone	-	-	4.4	-	-	-	-	0.38 U	-	-	-
Naphthalene	500	1000	12	12	0.57 J	0.36 U	0.34 U	0.38 U	0.012 J	0.0091 J	-
Nitrobenzene	69	140	0.17	-	-	-	-	0.38 U [B]	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	0.38 U	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	0.38 U	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	0.38 U	-	-	-
Phenanthrene	500	1000	1000	100	2.5 J	0.36 U	0.34 U	0.38 U	0.18 J	0.069 J	-
Phenol	500	1000	0.33	0.33	-	-	-	0.38 U [B]	-	-	-
Pyrene	500	1000	1000	100	0.16 J	0.36 U	0.34 U	0.38 U	0.18 J	0.077 J	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	0.31 U	0.0013 J	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
1,1,2,2-Tetrachloroethane	-	-	0.6	-	0.31 U	0.0055 UJ	0.0087 U	0.0058 U	0.0061 UJ	0.0063 UJ	0.0053 U
1,1,2-Trichloroethane	-	-	-	-	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
1,1-Dichloroethane	240	480	0.27	0.27	0.31 U [B]	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
1,1-Dichloroethene	500	1000	0.33	0.33	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
1,2,4-Trichlorobenzene	-	-	3.4	-	0.31 U	0.0055 UJ	0.0087 U	0.0058 U	0.0061 UJ	0.0063 UJ	0.0053 UJ
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	0.61 U	0.011 UJ	0.017 U	0.012 U	0.012 UJ	0.013 UJ	0.011 U
1,2-Dibromoethane	-	-	-	-	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-137	B-138	B-139	B-140	B-141	B-141	B-142
DEPTH					12 - 16 ft	20 - 23 ft	22 - 24 ft	4 - 8 ft	0 - 4 ft	0 - 4 ft	0 - 6 ft
DATE					9/17/2007	9/17/2007	9/18/2007	9/18/2007	9/18/2007	9/18/2007	9/18/2007
SAMPLE TYPE					N	N	N	N	FD	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B-137-4_091707	B-138-5_091707	B-139-6_091807	B-140-1_091807	B-141-FD_091807	B-141-1_091807	-142-MW-1_09180
1,2-Dichlorobenzene	500	1000	1.1	1.1	0.31 U	0.0055 UJ	0.0087 U	0.0058 U	0.0061 UJ	0.0063 UJ	0.0053 U
1,2-Dichloroethane	30	60	0.02	0.02	0.31 U [B]	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
1,2-Dichloropropane	-	-	-	-	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	0.31 U	0.0055 UJ	0.0087 U	0.0058 U	0.0061 UJ	0.0063 UJ	0.0053 U
1,4-Dichlorobenzene	130	250	1.8	1.8	0.31 U	0.0055 UJ	0.0087 U	0.0058 U	0.0061 UJ	0.0063 UJ	0.0053 U
2-Butanone	500	1000	0.12	0.12	1.2 U [B]	0.022 U	0.0035 J	0.023 U	0.024 U	0.0048 J	0.021 U
2-Hexanone	-	-	-	-	1.2 U	0.022 U	0.035 U	0.023 U	0.024 U	0.025 UJ	0.021 U
4-Methyl-2-pentanone	-	-	1	-	1.2 U [B]	0.022 U	0.035 U	0.023 U	0.024 U	0.025 UJ	0.021 U
Acetone	500	1000	0.05	0.05	1.2 U [B]	0.022 U	0.035 U	0.023 U	0.024 U	0.059 J [B]	0.021 U
Benzene	44	89	0.06	0.06	0.31 U [B]	0.00044 J	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Bromoform	-	-	-	-	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Bromomethane	-	-	-	-	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Carbon disulfide	-	-	2.7	-	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Carbon tetrachloride	22	44	0.76	0.76	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Chlorobenzene	500	1000	1.1	1.1	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Chloroethane	-	-	1.9	-	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Chloroform	350	700	0.37	0.37	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Chloromethane	-	-	-	-	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
cis-1,2-Dichloroethene	500	1000	0.25	0.25	0.31 U [B]	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
cis-1,3-Dichloropropene	-	-	-	-	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Cyclohexane	-	-	-	-	0.61 U	0.011 U	0.017 U	0.012 U	0.012 U	0.013 UJ	0.011 U
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Dichlorodifluoromethane (CFC-12)	-	-	-	-	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Ethylbenzene	390	780	1	1	0.077 J	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	0.088 J	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	0.61 U	0.011 U	0.017 U	0.012 U	0.012 U	0.013 UJ	0.011 U
Methyl cyclohexane	-	-	-	-	0.053 J	0.011 U	0.017 U	0.012 U	0.012 U	0.013 UJ	0.011 U
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	1.2 U [B]	0.022 U	0.035 U	0.023 U	0.024 U	0.025 UJ	0.021 U
Methylene chloride	500	1000	0.05	0.05	0.31 U [B]	0.0092 U	0.0087 U	0.0058 U	0.0068 U	0.013 U	0.0053 U
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Toluene	500	1000	0.7	0.7	0.021 J	0.0006 J	0.0087 U	0.0058 U	0.0061 U	0.00045 J	0.0053 U
trans-1,2-Dichloroethene	500	1000	0.19	0.19	0.31 U [B]	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-137	B-138	B-139	B-140	B-141	B-141	B-142
DEPTH					12 - 16 ft	20 - 23 ft	22 - 24 ft	4 - 8 ft	0 - 4 ft	0 - 4 ft	0 - 6 ft
DATE					9/17/2007	9/17/2007	9/18/2007	9/18/2007	9/18/2007	9/18/2007	9/18/2007
SAMPLE TYPE					N	N	N	N	FD	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B-137-4_091707	B-138-5_091707	B-139-6_091807	B-140-1_091807	B-141-FD_091807	B-141-1_091807	-142-MW-1_09180
trans-1,3-Dichloropropene	-	-	-	-	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Trichloroethene	200	400	0.47	0.47	0.31 U	0.00083 J	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Trichlorofluoromethane (CFC-11)	-	-	-	-	0.31 U	0.0055 U	0.0087 U	0.0058 UJ	0.0061 U	0.0063 UJ	0.00047 J
Trifluorotrichloroethane (Freon 113)	-	-	-	-	0.31 U	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Vinyl chloride	13	27	0.02	0.02	0.31 U [B]	0.0055 U	0.0087 U	0.0058 U	0.0061 U	0.0063 UJ	0.0053 U
Xylenes (total)	500	1000	1.6	0.26	0.079 J	0.011 U	0.017 U	0.012 U	0.012 U	0.013 UJ	0.011 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-143-MW	B-142-MW*	B-143-MW	B-143-MW	B-144-MW	B-144-MW	B-144-MW
DEPTH					8 - 12 ft	9.5 - 10.5 ft	22 - 24 ft	26 - 28 ft	0 - 2 ft	14 - 16 ft	20 - 24 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	9/19/2007	9/18/2007	9/19/2007	9/19/2007	9/20/2007	9/20/2007	9/20/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					-143-MW-3_09190	-142-MW-2_09180	-143-MW-6_09190	-143-MW-7_09190	-144-MW-1_09200	-144-MW-4_09200	-144-MW-6_09200
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	-	-	-	-	-	-	-
Arsenic	16	16	16	13	-	-	-	-	-	-	-
Barium	400	10000	820	350	-	-	-	-	-	-	-
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	-	-	-	-	-	-	-
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	0.53 U	-	0.53 U
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	-	-	-	-	-	-	-
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	0.0018 U
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	0.0018 U
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	0.0018 U
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	0.0018 U
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	0.0018 U
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	0.0018 U
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	0.0018 U
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	0.0018 U
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	0.0018 U
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	0.0018 U

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TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-143-MW	B-142-MW*	B-143-MW	B-143-MW	B-144-MW	B-144-MW	B-144-MW
DEPTH					8 - 12 ft	9.5 - 10.5 ft	22 - 24 ft	26 - 28 ft	0 - 2 ft	14 - 16 ft	20 - 24 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	9/19/2007	9/18/2007	9/19/2007	9/19/2007	9/20/2007	9/20/2007	9/20/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					-143-MW-3_09190	-142-MW-2_09180	-143-MW-6_09190	-143-MW-7_09190	-144-MW-1_09200	-144-MW-4_09200	-144-MW-6_09200
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	0.0018 U
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	0.0018 U
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	0.0018 U
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	0.0018 U
Endrin ketone	-	-	-	-	-	-	-	-	-	-	0.0018 U
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	0.0018 U
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	0.0018 U
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	0.0018 U
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	0.0018 U
Methoxychlor	-	-	900	-	-	-	-	-	-	-	0.0035 U
Toxaphene	-	-	-	-	-	-	-	-	-	-	0.071 U
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	-	-	-	-	-	-	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-
Anthracene	500	1000	1000	100	-	-	-	-	-	-	-
Atrazine	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-143-MW	B-142-MW*	B-143-MW	B-143-MW	B-144-MW	B-144-MW	B-144-MW
DEPTH					8 - 12 ft	9.5 - 10.5 ft	22 - 24 ft	26 - 28 ft	0 - 2 ft	14 - 16 ft	20 - 24 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		9/19/2007	9/18/2007	9/19/2007	9/19/2007	9/20/2007	9/20/2007	9/20/2007
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	-143-MW-3_09190	-142-MW-2_09180	-143-MW-6_09190	-143-MW-7_09190	-144-MW-1_09200	-144-MW-4_09200	-144-MW-6_09200
Benzo(a)pyrene	1	1.1	22	1	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	56	110	1	1	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-			-	-	-	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	-	-	-	-	-	-	-
Fluorene	500	1000	386	30	-	-	-	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	-	-	-	-	-
Isophorone	-	-	4.4	-	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	-	-	-	-	-	-	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
Pyrene	500	1000	1000	100	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0013 J	0.0055 U	0.0053 U
1,1,2,2-Tetrachloroethane	-	-	0.6	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 UJ	0.0053 U
1,1,2-Trichloroethane	-	-	-	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
1,1-Dichloroethane	240	480	0.27	0.27	0.0053 U	0.0059 U	0.28 U [B]	0.27 U	0.0053 U	0.0055 U	0.0053 U
1,1-Dichloroethene	500	1000	0.33	0.33	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
1,2,4-Trichlorobenzene	-	-	3.4	-	0.0053 UJ	0.0059 UJ	0.28 UJ	0.27 UJ	0.0053 U	0.0055 UJ	0.0053 UJ
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	0.011 U	0.012 U	0.55 U	0.53 U	0.011 U	0.011 UJ	0.011 U
1,2-Dibromoethane	-	-	-	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-143-MW	B-142-MW*	B-143-MW	B-143-MW	B-144-MW	B-144-MW	B-144-MW
DEPTH					8 - 12 ft	9.5 - 10.5 ft	22 - 24 ft	26 - 28 ft	0 - 2 ft	14 - 16 ft	20 - 24 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		9/19/2007	9/18/2007	9/19/2007	9/19/2007	9/20/2007	9/20/2007	9/20/2007
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	-143-MW-3_09190	-142-MW-2_09180	-143-MW-6_09190	-143-MW-7_09190	-144-MW-1_09200	-144-MW-4_09200	-144-MW-6_09200
1,2-Dichlorobenzene	500	1000	1.1	1.1	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 UJ	0.0053 U
1,2-Dichloroethane	30	60	0.02	0.02	0.0053 U	0.0059 U	0.28 U [B]	0.27 U [B]	0.0053 U	0.0055 U	0.0053 U
1,2-Dichloropropane	-	-	-	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 UJ	0.0053 U
1,4-Dichlorobenzene	130	250	1.8	1.8	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 UJ	0.0053 U
2-Butanone	500	1000	0.12	0.12	0.021 U	0.024 U	1.1 U [B]	1.1 U [B]	0.021 U	0.0018 J	0.021 U
2-Hexanone	-	-	-	-	0.021 U	0.024 U	1.1 U	1.1 U	0.021 U	0.022 U	0.021 U
4-Methyl-2-pentanone	-	-	1	-	0.021 U	0.024 U	1.1 U [B]	1.1 U [B]	0.021 U	0.022 U	0.021 U
Acetone	500	1000	0.05	0.05	0.021 U	0.024 U	1.1 U [B]	1.1 U [B]	0.021 U	0.022 U	0.021 U
Benzene	44	89	0.06	0.06	0.0053 U	0.0059 U	0.28 U [B]	0.27 U [B]	0.0053 U	0.0055 U	0.00037 J
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Bromoform	-	-	-	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Bromomethane	-	-	-	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Carbon disulfide	-	-	2.7	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Carbon tetrachloride	22	44	0.76	0.76	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Chlorobenzene	500	1000	1.1	1.1	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Chloroethane	-	-	1.9	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Chloroform	350	700	0.37	0.37	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Chloromethane	-	-	-	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
cis-1,2-Dichloroethene	500	1000	0.25	0.25	0.0053 U	0.0059 U	0.28 U [B]	0.27 U [B]	0.0053 U	0.0055 U	0.0053 U
cis-1,3-Dichloropropene	-	-	-	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Cyclohexane	-	-	-	-	0.011 U	0.012 U	0.55 U	0.53 U	0.011 U	0.0014 J	0.00074 J
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Dichlorodifluoromethane (CFC-12)	-	-	-	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Ethylbenzene	390	780	1	1	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	0.011 U	0.012 U	0.55 U	0.53 U	0.011 U	0.011 U	0.011 U
Methyl cyclohexane	-	-	-	-	0.00059 J	0.012 U	0.55 U	0.53 U	0.011 U	0.0027 J	0.001 J
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	0.021 U	0.024 U	1.1 U [B]	1.1 U [B]	0.021 U	0.022 U	0.021 U
Methylene chloride	500	1000	0.05	0.05	0.0053 U	0.0059 U	0.28 U [B]	0.27 U [B]	0.0053 U	0.0055 U	0.0053 U
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Toluene	500	1000	0.7	0.7	0.0012 J	0.0059 U	0.28 U	0.27 U	0.00035 J	0.00099 J	0.001 J
trans-1,2-Dichloroethene	500	1000	0.19	0.19	0.0053 U	0.0059 U	0.28 U [B]	0.27 U [B]	0.0053 U	0.0055 U	0.0053 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-143-MW	B-142-MW*	B-143-MW	B-143-MW	B-144-MW	B-144-MW	B-144-MW
DEPTH					8 - 12 ft	9.5 - 10.5 ft	22 - 24 ft	26 - 28 ft	0 - 2 ft	14 - 16 ft	20 - 24 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	9/19/2007	9/18/2007	9/19/2007	9/19/2007	9/20/2007	9/20/2007	9/20/2007
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					-143-MW-3_09190	-142-MW-2_09180	-143-MW-6_09190	-143-MW-7_09190	-144-MW-1_09200	-144-MW-4_09200	-144-MW-6_09200
trans-1,3-Dichloropropene	-	-	-	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Trichloroethene	200	400	0.47	0.47	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Trichlorofluoromethane (CFC-11)	-	-	-	-	0.00045 J	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Trifluorotrichloroethane (Freon 113)	-	-	-	-	0.0053 U	0.0059 U	0.28 U	0.27 U	0.0053 U	0.0055 U	0.0053 U
Vinyl chloride	13	27	0.02	0.02	0.0053 U	0.0059 U	0.28 U [B]	0.27 U [B]	0.0053 U	0.0055 U	0.0053 U
Xylenes (total)	500	1000	1.6	0.26	0.0021 J	0.012 U	0.55 U	0.53 U	0.011 U	0.0019 J	0.00085 J

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-145-MW	B-145-MW	B-201	B-201	B-201	B-202	B-202
DEPTH					2 - 4 ft	24 - 26 ft	0 - 1 ft	1 - 4.5 ft	5 - 6 ft	0 - 1 ft	1 - 3.8 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/20/2007	9/20/2007	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					-145-MW-1_09200	-145-MW-7_09200	B201-1 0-1 FT	B201-2 1-4.5 FT	B201-3 5-6 FT	B202-1 0-1 FT	B202-2 1-3.8 FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	-	-	2.3	1.1 U	1.2 U	1.2	4.6
Arsenic	16	16	16	13	-	-	**17 † [B]**	2.2	4.8	6.3	**21 † [B]**
Barium	400	10000	820	350	-	-	250	28	67 J	42 J	100 J
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	-	-	0.91	0.29	0.29 U	0.31	0.86
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	0.25 J	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	-	-	380	14	8.8	58	400
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-145-MW	B-145-MW	B-201	B-201	B-201	B-202	B-202
DEPTH					2 - 4 ft	24 - 26 ft	0 - 1 ft	1 - 4.5 ft	5 - 6 ft	0 - 1 ft	1 - 3.8 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		9/20/2007	9/20/2007	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	-145-MW-1_09200	-145-MW-7_09200	B201-1 0-1 FT	B201-2 1-4.5 FT	B201-3 5-6 FT	B202-1 0-1 FT	B202-2 1-3.8 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	-	-	-	-	-	-	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-
Anthracene	500	1000	1000	100	-	-	-	-	-	-	-
Atrazine	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-145-MW	B-145-MW	B-201	B-201	B-201	B-202	B-202
DEPTH					2 - 4 ft	24 - 26 ft	0 - 1 ft	1 - 4.5 ft	5 - 6 ft	0 - 1 ft	1 - 3.8 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		9/20/2007	9/20/2007	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	-145-MW-1_09200	-145-MW-7_09200	B201-1 0-1 FT	B201-2 1-4.5 FT	B201-3 5-6 FT	B202-1 0-1 FT	B202-2 1-3.8 FT
Benzo(a)pyrene	1	1.1	22	1	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	56	110	1	1	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-			-	-	-	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	-	-	-	-	-	-	-
Fluorene	500	1000	386	30	-	-	-	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	-	-	-	-	-
Isophorone	-	-	4.4	-	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	-	-	-	-	-	-	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
Pyrene	500	1000	1000	100	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	0.0068 UJ	0.0055 U	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	0.0068 R	0.0055 U	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	0.0068 UJ	0.0055 U	-	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	0.0068 UJ	0.0055 U	-	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	0.0068 UJ	0.0055 U	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	0.0068 R	0.0055 UJ	-	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	0.014 R	0.011 U	-	-	-	-	-
1,2-Dibromoethane	-	-	-	-	0.0068 UJ	0.0055 U	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-145-MW	B-145-MW	B-201	B-201	B-201	B-202	B-202
DEPTH					2 - 4 ft	24 - 26 ft	0 - 1 ft	1 - 4.5 ft	5 - 6 ft	0 - 1 ft	1 - 3.8 ft
DATE	Restricted	Restricted	Groundwater		9/20/2007	9/20/2007	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009
SAMPLE TYPE	Commercial	Industrial	Protection	Unrestricted	N	N	N	N	N	N	N
SAMPLE NAME	Criteria	Criteria	Criteria	Criteria	-145-MW-1_09200	-145-MW-7_09200	B201-1 0-1 FT	B201-2 1-4.5 FT	B201-3 5-6 FT	B202-1 0-1 FT	B202-2 1-3.8 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	0.0068 R	0.0055 U	-	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	0.0068 UJ	0.0055 U	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	0.0068 UJ	0.0055 U	-	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	0.0068 R	0.0055 U	-	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	0.0068 R	0.0055 U	-	-	-	-	-
2-Butanone	500	1000	0.12	0.12	0.0031 J	0.022 U	-	-	-	-	-
2-Hexanone	-	-	-	-	0.027 UJ	0.022 U	-	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	0.027 UJ	0.022 U	-	-	-	-	-
Acetone	500	1000	0.05	0.05	0.01 J	0.022 U	-	-	-	-	-
Benzene	44	89	0.06	0.06	0.0068 UJ	0.0003 J	-	-	-	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	0.0068 UJ	0.0055 U	-	-	-	-	-
Bromoform	-	-	-	-	0.0068 UJ	0.0055 U	-	-	-	-	-
Bromomethane	-	-	-	-	0.0068 UJ	0.0055 U	-	-	-	-	-
Carbon disulfide	-	-	2.7	-	0.0068 UJ	0.0055 U	-	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	0.0068 UJ	0.0055 U	-	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	0.0068 UJ	0.0055 U	-	-	-	-	-
Chloroethane	-	-	1.9	-	0.0068 UJ	0.0055 U	-	-	-	-	-
Chloroform	350	700	0.37	0.37	0.0068 UJ	0.0055 U	-	-	-	-	-
Chloromethane	-	-	-	-	0.00061 J	0.0055 U	-	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	0.0068 UJ	0.0055 U	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	0.0068 UJ	0.0055 U	-	-	-	-	-
Cyclohexane	-	-	-	-	0.0012 J	0.001 J	-	-	-	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	0.0068 UJ	0.0055 U	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	0.0068 UJ	0.0055 U	-	-	-	-	-
Ethylbenzene	390	780	1	1	0.0068 UJ	0.0055 U	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	0.0068 UJ	0.0055 U	-	-	-	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	0.014 UJ	0.011 U	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	0.00083 J	0.0014 J	-	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	0.027 UJ	0.022 U	-	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	0.0057 J	0.0055 U	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	0.0068 UJ	0.0055 U	-	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	0.0068 UJ	0.0055 U	-	-	-	-	-
Toluene	500	1000	0.7	0.7	0.00058 J	0.001 J	-	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	0.0068 UJ	0.0055 U	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-145-MW	B-145-MW	B-201	B-201	B-201	B-202	B-202
DEPTH					2 - 4 ft	24 - 26 ft	0 - 1 ft	1 - 4.5 ft	5 - 6 ft	0 - 1 ft	1 - 3.8 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		9/20/2007	9/20/2007	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	-145-MW-1_09200	-145-MW-7_09200	B201-1 0-1 FT	B201-2 1-4.5 FT	B201-3 5-6 FT	B202-1 0-1 FT	B202-2 1-3.8 FT
trans-1,3-Dichloropropene	-	-	-	-	0.0068 UJ	0.0055 U	-	-	-	-	-
Trichloroethene	200	400	0.47	0.47	0.0068 UJ	0.0055 U	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	0.0068 UJ	0.0055 U	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	0.0068 UJ	0.0055 U	-	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	0.0068 UJ	0.0055 U	-	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	0.014 UJ	0.0011 J	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-202	B-203	B-203	B-203	B-204	B-204	B-204
DEPTH					4.5 - 5.5 ft	0 - 1 ft	1 - 12 ft	12.5 - 13 ft	0 - 1 ft	1 - 3.9 ft	4.5 - 5.5 ft
DATE					9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B202-3 4.5-5.5 FT	B203-1 0-1 FT	B203-2 1-12 FT	B203-3 12.5-13 FT	B204-1 0-1 FT	B204-2 1-3.9 FT	B204-3 4.5-5.5 FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	1.2 U	1.9	1.2 U	1.3 U	1.1 U	1.7	1.1 U
Arsenic	16	16	16	13	6.5	14	5.2	8.4	8.4	12	4.1
Barium	400	10000	820	350	32 J	87 J	75 J	66 J	61 J	76 J	52 J
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	0.29 U	0.61	0.3 U	0.32 U	0.32	0.5	0.27 U
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	11	1000 [B]	86	14	120	240	6.2
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-202	B-203	B-203	B-203	B-204	B-204	B-204
DEPTH					4.5 - 5.5 ft	0 - 1 ft	1 - 12 ft	12.5 - 13 ft	0 - 1 ft	1 - 3.9 ft	4.5 - 5.5 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B202-3 4.5-5.5 FT	B203-1 0-1 FT	B203-2 1-12 FT	B203-3 12.5-13 FT	B204-1 0-1 FT	B204-2 1-3.9 FT	B204-3 4.5-5.5 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	-	-	-	-	-	-	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-
Anthracene	500	1000	1000	100	-	-	-	-	-	-	-
Atrazine	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-202	B-203	B-203	B-203	B-204	B-204	B-204
DEPTH					4.5 - 5.5 ft	0 - 1 ft	1 - 12 ft	12.5 - 13 ft	0 - 1 ft	1 - 3.9 ft	4.5 - 5.5 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B202-3 4.5-5.5 FT	B203-1 0-1 FT	B203-2 1-12 FT	B203-3 12.5-13 FT	B204-1 0-1 FT	B204-2 1-3.9 FT	B204-3 4.5-5.5 FT
Benzo(a)pyrene	1	1.1	22	1	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	56	110	1	1	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-			-	-	-	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	-	-	-	-	-	-	-
Fluorene	500	1000	386	30	-	-	-	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	-	-	-	-	-
Isophorone	-	-	4.4	-	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	-	-	-	-	-	-	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
Pyrene	500	1000	1000	100	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	-	-	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	-	-	-	-	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-202	B-203	B-203	B-203	B-204	B-204	B-204
DEPTH					4.5 - 5.5 ft	0 - 1 ft	1 - 12 ft	12.5 - 13 ft	0 - 1 ft	1 - 3.9 ft	4.5 - 5.5 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B202-3 4.5-5.5 FT	B203-1 0-1 FT	B203-2 1-12 FT	B203-3 12.5-13 FT	B204-1 0-1 FT	B204-2 1-3.9 FT	B204-3 4.5-5.5 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	-	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	-	-	-	-	-
2-Butanone	500	1000	0.12	0.12	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	-	-	-	-	-	-	-
Acetone	500	1000	0.05	0.05	-	-	-	-	-	-	-
Benzene	44	89	0.06	0.06	-	-	-	-	-	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	2.7	-	-	-	-	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	-	-	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
Chloroethane	-	-	1.9	-	-	-	-	-	-	-	-
Chloroform	350	700	0.37	0.37	-	-	-	-	-	-	-
Chloromethane	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	390	780	1	1	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	-	-	-	-	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	-	-	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	-	-	-	-	-
Toluene	500	1000	0.7	0.7	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-202	B-203	B-203	B-203	B-204	B-204	B-204
DEPTH					4.5 - 5.5 ft	0 - 1 ft	1 - 12 ft	12.5 - 13 ft	0 - 1 ft	1 - 3.9 ft	4.5 - 5.5 ft
DATE					9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009	9/30/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B202-3 4.5-5.5 FT	B203-1 0-1 FT	B203-2 1-12 FT	B203-3 12.5-13 FT	B204-1 0-1 FT	B204-2 1-3.9 FT	B204-3 4.5-5.5 FT
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	200	400	0.47	0.47	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	-	-	-	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-205	B-205	B-205	B-206	B-206	B-206	B-207
DEPTH					0 - 1 ft	1 - 4.3 ft	4.8 - 5.8 ft	0 - 1 ft	1.5 - 3 ft	4 - 5 ft	0 - 1 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/30/2009	9/30/2009	9/30/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B205-1 0-1 FT	B205-2 1-4.3 FT	B205-3 4.8-5.8 FT	B206-1 0-1 FT	B206-2 1.5-3.0 FT	B206-3 4.0-5.0 FT	B207-1 0-1 FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	1.1 U	1.2	1.1 U	1.2 U	1.1 U	1 U	1.6
Arsenic	16	16	16	13	4.2	5	5.9	6.1	4.4	4	**23 † [B]**
Barium	400	10000	820	350	36 J	56 J	77 J	100 J	61 J	43 J	55 J
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	0.32	0.39	0.28 U	0.41	0.29 U	0.26 U	0.4
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	6.8	20	12	54	8.4	8.5	110
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-205	B-205	B-205	B-206	B-206	B-206	B-207
DEPTH					0 - 1 ft	1 - 4.3 ft	4.8 - 5.8 ft	0 - 1 ft	1.5 - 3 ft	4 - 5 ft	0 - 1 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		9/30/2009	9/30/2009	9/30/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B205-1 0-1 FT	B205-2 1-4.3 FT	B205-3 4.8-5.8 FT	B206-1 0-1 FT	B206-2 1.5-3.0 FT	B206-3 4.0-5.0 FT	B207-1 0-1 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	-	-	-	-	-	-	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-
Anthracene	500	1000	1000	100	-	-	-	-	-	-	-
Atrazine	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-205	B-205	B-205	B-206	B-206	B-206	B-207
DEPTH					0 - 1 ft	1 - 4.3 ft	4.8 - 5.8 ft	0 - 1 ft	1.5 - 3 ft	4 - 5 ft	0 - 1 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		9/30/2009	9/30/2009	9/30/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B205-1 0-1 FT	B205-2 1-4.3 FT	B205-3 4.8-5.8 FT	B206-1 0-1 FT	B206-2 1.5-3.0 FT	B206-3 4.0-5.0 FT	B207-1 0-1 FT
Benzo(a)pyrene	1	1.1	22	1	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	56	110	1	1	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-			-	-	-	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	-	-	-	-	-	-	-
Fluorene	500	1000	386	30	-	-	-	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	-	-	-	-	-
Isophorone	-	-	4.4	-	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	-	-	-	-	-	-	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
Pyrene	500	1000	1000	100	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	-	-	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	-	-	-	-	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-205	B-205	B-205	B-206	B-206	B-206	B-207
DEPTH					0 - 1 ft	1 - 4.3 ft	4.8 - 5.8 ft	0 - 1 ft	1.5 - 3 ft	4 - 5 ft	0 - 1 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	9/30/2009	9/30/2009	9/30/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B205-1 0-1 FT	B205-2 1-4.3 FT	B205-3 4.8-5.8 FT	B206-1 0-1 FT	B206-2 1.5-3.0 FT	B206-3 4.0-5.0 FT	B207-1 0-1 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	-	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	-	-	-	-	-
2-Butanone	500	1000	0.12	0.12	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	-	-	-	-	-	-	-
Acetone	500	1000	0.05	0.05	-	-	-	-	-	-	-
Benzene	44	89	0.06	0.06	-	-	-	-	-	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	2.7	-	-	-	-	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	-	-	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
Chloroethane	-	-	1.9	-	-	-	-	-	-	-	-
Chloroform	350	700	0.37	0.37	-	-	-	-	-	-	-
Chloromethane	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	390	780	1	1	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	-	-	-	-	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	-	-	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	-	-	-	-	-
Toluene	500	1000	0.7	0.7	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-205	B-205	B-205	B-206	B-206	B-206	B-207
DEPTH					0 - 1 ft	1 - 4.3 ft	4.8 - 5.8 ft	0 - 1 ft	1.5 - 3 ft	4 - 5 ft	0 - 1 ft
DATE					9/30/2009	9/30/2009	9/30/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B205-1 0-1 FT	B205-2 1-4.3 FT	B205-3 4.8-5.8 FT	B206-1 0-1 FT	B206-2 1.5-3.0 FT	B206-3 4.0-5.0 FT	B207-1 0-1 FT
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	200	400	0.47	0.47	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	-	-	-	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-207	B-207	B-208	B-208	B-208	B-209	B-209
DEPTH					1 - 4.2 ft	4.5 - 5.5 ft	0 - 1 ft	1 - 8.5 ft	10.5 - 12.5 ft	1 - 5.6 ft	7 - 8 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/1/2009	10/1/2009	10/8/2009	10/8/2009	10/8/2009	10/1/2009	10/1/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B207-2 1-4.2 FT	B207-3 4.5-5.5 FT	B208-1 0-1 FT	B208-2 1-8.5 FT	208-3 10.5-12.5 F	B209-2 1-5.6 FT	B209-3 7-8 FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	10000	-	-	-	-
Antimony	-	-	-	-	1.8	1.1 U	1 U	1.2 U	1.1 U	1.1 U	1 U
Arsenic	16	16	16	13	**20** † **[B]**	5.5 U	10	10	2.1	6.4	3.2
Barium	400	10000	820	350	73 J	34 J	53	100	42	78	95
Beryllium	590	2700	47	7.2	-	-	0.45	-	-	-	-
Cadmium	9.3	60	7.5	2.5	0.4	0.27 U	0.45	0.47	0.27 U	0.28 U	0.26 U
Calcium	-	-	-	-	-	-	48000	-	-	-	-
Chromium	400	800	19	1	-	-	11	-	-	-	-
Cobalt	-	-	-	-	-	-	8.5	-	-	-	-
Copper	270	10000	1720	50	-	-	26	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	19000	-	-	-	-
Lead	1000	3900	450	63	220	4.1	13	66	8.5	100	5.1
Magnesium	-	-	-	-	-	-	11000	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	590	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	0.021 U	-	-	-	-
Nickel	310	10000	130	30	-	-	21	-	-	-	-
Potassium	-	-	-	-	-	-	1300	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	5.2 U [B]	-	-	-	-
Silver	1500	6800	8.3	2	-	-	0.52 U	-	-	-	-
Sodium	-	-	-	-	-	-	470	-	-	-	-
Thallium	-	-	-	-	-	-	1 U	-	-	-	-
Vanadium	-	-	-	-	-	-	19	-	-	-	-
Zinc	10000	10000	2480	109	-	-	100	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-207	B-207	B-208	B-208	B-208	B-209	B-209
DEPTH					1 - 4.2 ft	4.5 - 5.5 ft	0 - 1 ft	1 - 8.5 ft	10.5 - 12.5 ft	1 - 5.6 ft	7 - 8 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/1/2009	10/1/2009	10/8/2009	10/8/2009	10/8/2009	10/1/2009	10/1/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B207-2 1-4.2 FT	B207-3 4.5-5.5 FT	B208-1 0-1 FT	B208-2 1-8.5 FT	208-3 10.5-12.5 F	B209-2 1-5.6 FT	B209-3 7-8 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	6.7 U	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	6.7 U [B]	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	6.7 U	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	6.7 U [B]	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	6.7 U	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	6.7 U [B]	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	6.7 U	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	6.7 U [B]	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	0.66 U	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	6.7 U	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	0.66 U	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	6.7 U [B]	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	6.7 U [B]	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	6.7 U [B]	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	6.7 R	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	6.7 U [B]	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	6.7 U	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	6.7 U	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	6.7 U	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	6.7 U [B]	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	6.7 U	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	6.7 U	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	6.7 U [B]	-	-	-	-
Acenaphthene	500	1000	98	20	-	-	0.66 U	-	-	-	-
Acenaphthylene	500	1000	107	100	-	-	0.66 U	-	-	-	-
Acetophenone	-	-	-	-	-	-	6.7 U	-	-	-	-
Anthracene	500	1000	1000	100	-	-	0.66 U	-	-	-	-
Atrazine	-	-	-	-	-	-	6.7 U	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	6.7 U	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	-	-	0.66 U	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-207	B-207	B-208	B-208	B-208	B-209	B-209
DEPTH					1 - 4.2 ft	4.5 - 5.5 ft	0 - 1 ft	1 - 8.5 ft	10.5 - 12.5 ft	1 - 5.6 ft	7 - 8 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/1/2009	10/1/2009	10/8/2009	10/8/2009	10/8/2009	10/1/2009	10/1/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B207-2 1-4.2 FT	B207-3 4.5-5.5 FT	B208-1 0-1 FT	B208-2 1-8.5 FT	208-3 10.5-12.5 F	B209-2 1-5.6 FT	B209-3 7-8 FT
Benzo(a)pyrene	1	1.1	22	1	-	-	0.66 U	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	0.66 U	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	0.66 U	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	0.66 U	-	-	-	-
Biphenyl	-	-	-	-	-	-	6.7 U	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	6.7 U	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	6.7 U	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	6.7 U	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	6.7 U	-	-	-	-
Caprolactam	-	-	-	-	-	-	6.7 U	-	-	-	-
Carbazole	-	-	-	-	-	-	6.7 U	-	-	-	-
Chrysene	56	110	1	1	-	-	0.66 U	-	-	-	-
Dibenzo(a,h)anthracene	-	-			-	-	0.66 U	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	-	6.7 U [B]	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	6.7 U	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	6.7 U	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	6.7 U	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	6.7 U	-	-	-	-
Fluoranthene	500	1000	1000	100	-	-	0.66 U	-	-	-	-
Fluorene	500	1000	386	30	-	-	0.66 U	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	**6.7 U [B]**	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	6.7 U	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	6.7 U	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	6.7 U	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	0.66 U	-	-	-	-
Isophorone	-	-	4.4	-	-	-	6.7 U [B]	-	-	-	-
Naphthalene	500	1000	12	12	-	-	0.66 U	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	-	6.7 U [B]	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	6.7 U	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	6.7 U	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	6.7 U [B]	-	-	-	-
Phenanthrene	500	1000	1000	100	-	-	0.66 U	-	-	-	-
Phenol	500	1000	0.33	0.33	-	-	6.7 U [B]	-	-	-	-
Pyrene	500	1000	1000	100	-	-	0.66 U	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	0.0069	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	0.0052 U	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	0.0052 U	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	-	0.0052 U	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	0.0052 U	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	0.0052 U	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	0.026 U	-	-	-	-
1,2-Dibromoethane	-	-	-	-	-	-	0.0052 U	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-207	B-207	B-208	B-208	B-208	B-209	B-209
DEPTH					1 - 4.2 ft	4.5 - 5.5 ft	0 - 1 ft	1 - 8.5 ft	10.5 - 12.5 ft	1 - 5.6 ft	7 - 8 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/1/2009	10/1/2009	10/8/2009	10/8/2009	10/8/2009	10/1/2009	10/1/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B207-2 1-4.2 FT	B207-3 4.5-5.5 FT	B208-1 0-1 FT	B208-2 1-8.5 FT	B208-3 10.5-12.5 F	B209-2 1-5.6 FT	B209-3 7-8 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	0.0052 U	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	-	0.0052 U	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	0.0052 U	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	0.0052 U	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	0.0052 U	-	-	-	-
2-Butanone	500	1000	0.12	0.12	-	-	0.052 U	-	-	-	-
2-Hexanone	-	-	-	-	-	-	0.052 U	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	-	-	0.052 U	-	-	-	-
Acetone	500	1000	0.05	0.05	-	-	0.26 U [B]	-	-	-	-
Benzene	44	89	0.06	0.06	-	-	0.0052 U	-	-	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	0.0052 U	-	-	-	-
Bromoform	-	-	-	-	-	-	0.0052 U	-	-	-	-
Bromomethane	-	-	-	-	-	-	0.026 U	-	-	-	-
Carbon disulfide	-	-	2.7	-	-	-	0.0052 U	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	-	0.0052 U	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	-	-	0.0052 U	-	-	-	-
Chloroethane	-	-	1.9	-	-	-	0.026 U	-	-	-	-
Chloroform	350	700	0.37	0.37	-	-	0.026 U	-	-	-	-
Chloromethane	-	-	-	-	-	-	0.0052 U	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	0.0052 U	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	0.0052 U	-	-	-	-
Cyclohexane	-	-	-	-	-	-	0.0052 U	-	-	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	0.0052 U	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	0.026 U	-	-	-	-
Ethylbenzene	390	780	1	1	-	-	0.0052 U	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	-	0.052 U	-	-	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	0.1 U	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	0.0052 U	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	-	0.0052 U	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	-	-	0.026 U	-	-	-	-
Naphthalene	500	1000	12	12	-	-	0.026 U	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	0.0052 U	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	0.0052 U	-	-	-	-
Toluene	500	1000	0.7	0.7	-	-	0.026 U	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	0.0052 U	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-207	B-207	B-208	B-208	B-208	B-209	B-209
DEPTH					1 - 4.2 ft	4.5 - 5.5 ft	0 - 1 ft	1 - 8.5 ft	10.5 - 12.5 ft	1 - 5.6 ft	7 - 8 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/1/2009	10/1/2009	10/8/2009	10/8/2009	10/8/2009	10/1/2009	10/1/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B207-2 1-4.2 FT	B207-3 4.5-5.5 FT	B208-1 0-1 FT	B208-2 1-8.5 FT	B208-3 10.5-12.5 F	B209-2 1-5.6 FT	B209-3 7-8 FT
trans-1,3-Dichloropropene	-	-	-	-	-	-	0.0052 U	-	-	-	-
Trichloroethene	200	400	0.47	0.47	-	-	0.0052 U	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	0.026 U	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	0.0052 U	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	-	-	0.0052 U	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	-	-	0.016 U	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-210	B-210	B-211	B-211	B-211	B-212	B-212
DEPTH					1 - 4.8 ft	5.5 - 6.5 ft	0 - 1 ft	1 - 5 ft	6 - 7 ft	0 - 1 ft	1 - 5.7 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/1/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B210-2 1-4.8 FT	B210-3 5.5-6.5 FT	B211-1 0-1 FT	B211-2 1-5.0 FT	B211-3 6.0-7.0 FT	B212-1 0-1 FT	B212-2 1-5.7 FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	1.1 U	1.1 U	1.1 U	1.2	1.1 U	1.5	1.2 U
Arsenic	16	16	16	13	6.8	4.3	5.5	6	7.5	**35** † **[B]**	13
Barium	400	10000	820	350	260	52	63	58	89	76	81
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	0.27 U	0.28 U	0.38	7.5	0.27 U	0.61	0.47
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	36	8.9 J	29	98	13	95	12
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-210	B-210	B-211	B-211	B-211	B-212	B-212
DEPTH					1 - 4.8 ft	5.5 - 6.5 ft	0 - 1 ft	1 - 5 ft	6 - 7 ft	0 - 1 ft	1 - 5.7 ft
DATE					10/1/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B210-2 1-4.8 FT	B210-3 5.5-6.5 FT	B211-1 0-1 FT	B211-2 1-5.0 FT	B211-3 6.0-7.0 FT	B212-1 0-1 FT	B212-2 1-5.7 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	-	-	-	-	-	-	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-
Anthracene	500	1000	1000	100	-	-	-	-	-	-	-
Atrazine	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-210	B-210	B-211	B-211	B-211	B-212	B-212
DEPTH					1 - 4.8 ft	5.5 - 6.5 ft	0 - 1 ft	1 - 5 ft	6 - 7 ft	0 - 1 ft	1 - 5.7 ft
DATE					10/1/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B210-2 1-4.8 FT	B210-3 5.5-6.5 FT	B211-1 0-1 FT	B211-2 1-5.0 FT	B211-3 6.0-7.0 FT	B212-1 0-1 FT	B212-2 1-5.7 FT
Benzo(a)pyrene	1	1.1	22	1	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	56	110	1	1	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-			-	-	-	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	-	-	-	-	-	-	-
Fluorene	500	1000	386	30	-	-	-	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	-	-	-	-	-
Isophorone	-	-	4.4	-	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	-	-	-	-	-	-	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
Pyrene	500	1000	1000	100	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	-	-	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	-	-	-	-	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-210	B-210	B-211	B-211	B-211	B-212	B-212
DEPTH					1 - 4.8 ft	5.5 - 6.5 ft	0 - 1 ft	1 - 5 ft	6 - 7 ft	0 - 1 ft	1 - 5.7 ft
DATE					10/1/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B210-2 1-4.8 FT	B210-3 5.5-6.5 FT	B211-1 0-1 FT	B211-2 1-5.0 FT	B211-3 6.0-7.0 FT	B212-1 0-1 FT	B212-2 1-5.7 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	-	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	-	-	-	-	-
2-Butanone	500	1000	0.12	0.12	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	-	-	-	-	-	-	-
Acetone	500	1000	0.05	0.05	-	-	-	-	-	-	-
Benzene	44	89	0.06	0.06	-	-	-	-	-	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	2.7	-	-	-	-	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	-	-	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
Chloroethane	-	-	1.9	-	-	-	-	-	-	-	-
Chloroform	350	700	0.37	0.37	-	-	-	-	-	-	-
Chloromethane	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	390	780	1	1	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	-	-	-	-	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	-	-	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	-	-	-	-	-
Toluene	500	1000	0.7	0.7	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-210	B-210	B-211	B-211	B-211	B-212	B-212
DEPTH					1 - 4.8 ft	5.5 - 6.5 ft	0 - 1 ft	1 - 5 ft	6 - 7 ft	0 - 1 ft	1 - 5.7 ft
DATE					10/1/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009	10/1/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B210-2 1-4.8 FT	B210-3 5.5-6.5 FT	B211-1 0-1 FT	B211-2 1-5.0 FT	B211-3 6.0-7.0 FT	B212-1 0-1 FT	B212-2 1-5.7 FT
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	200	400	0.47	0.47	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	-	-	-	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-212	B-213	B-213	B-214	B-214	B-215	B-215
DEPTH					6.5 - 7.5 ft	1 - 1.5 ft	2 - 3 ft	1 - 5.2 ft	7.5 - 9.5 ft	0 - 1 ft	1.2 - 2.7 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/1/2009	10/2/2009	10/2/2009	10/8/2009	10/8/2009	10/2/2009	10/2/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B212-3 6.5-7.5 FT	B213-2 1-1.5 FT	B213-3 2.0-3.0 FT	B214-2 1-5.2 FT	B214-3 7.5-9.5 FT	B215-1 0-1 FT	B215-2 1.2-2.7 FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	1.1 U	1.2 U	1.3	1.3 U	1.1 U	1.4	1.2 U
Arsenic	16	16	16	13	10	4.5	4.7	11	4.7	**38** † **[B]**	4.5
Barium	400	10000	820	350	52	93	71	100	48	83	120
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	0.28 U	0.31 U	0.3 U	1.7	0.27 U	0.31 U	0.3 U
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	17	18	8.3	150	18	86	20
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-212	B-213	B-213	B-214	B-214	B-215	B-215
DEPTH					6.5 - 7.5 ft	1 - 1.5 ft	2 - 3 ft	1 - 5.2 ft	7.5 - 9.5 ft	0 - 1 ft	1.2 - 2.7 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/1/2009	10/2/2009	10/2/2009	10/8/2009	10/8/2009	10/2/2009	10/2/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B212-3 6.5-7.5 FT	B213-2 1-1.5 FT	B213-3 2.0-3.0 FT	B214-2 1-5.2 FT	B214-3 7.5-9.5 FT	B215-1 0-1 FT	B215-2 1.2-2.7 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	-	-	-	-	-	-	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-
Anthracene	500	1000	1000	100	-	-	-	-	-	-	-
Atrazine	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-212	B-213	B-213	B-214	B-214	B-215	B-215
DEPTH					6.5 - 7.5 ft	1 - 1.5 ft	2 - 3 ft	1 - 5.2 ft	7.5 - 9.5 ft	0 - 1 ft	1.2 - 2.7 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/1/2009	10/2/2009	10/2/2009	10/8/2009	10/8/2009	10/2/2009	10/2/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B212-3 6.5-7.5 FT	B213-2 1-1.5 FT	B213-3 2.0-3.0 FT	B214-2 1-5.2 FT	B214-3 7.5-9.5 FT	B215-1 0-1 FT	B215-2 1.2-2.7 FT
Benzo(a)pyrene	1	1.1	22	1	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	56	110	1	1	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-			-	-	-	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	-	-	-	-	-	-	-
Fluorene	500	1000	386	30	-	-	-	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	-	-	-	-	-
Isophorone	-	-	4.4	-	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	-	-	-	-	-	-	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
Pyrene	500	1000	1000	100	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	-	-	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	-	-	-	-	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-212	B-213	B-213	B-214	B-214	B-215	B-215
DEPTH					6.5 - 7.5 ft	1 - 1.5 ft	2 - 3 ft	1 - 5.2 ft	7.5 - 9.5 ft	0 - 1 ft	1.2 - 2.7 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/1/2009	10/2/2009	10/2/2009	10/8/2009	10/8/2009	10/2/2009	10/2/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B212-3 6.5-7.5 FT	B213-2 1-1.5 FT	B213-3 2.0-3.0 FT	B214-2 1-5.2 FT	B214-3 7.5-9.5 FT	B215-1 0-1 FT	B215-2 1.2-2.7 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	-	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	-	-	-	-	-
2-Butanone	500	1000	0.12	0.12	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	-	-	-	-	-	-	-
Acetone	500	1000	0.05	0.05	-	-	-	-	-	-	-
Benzene	44	89	0.06	0.06	-	-	-	-	-	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	2.7	-	-	-	-	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	-	-	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
Chloroethane	-	-	1.9	-	-	-	-	-	-	-	-
Chloroform	350	700	0.37	0.37	-	-	-	-	-	-	-
Chloromethane	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	390	780	1	1	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	-	-	-	-	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	-	-	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	-	-	-	-	-
Toluene	500	1000	0.7	0.7	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-212	B-213	B-213	B-214	B-214	B-215	B-215
DEPTH					6.5 - 7.5 ft	1 - 1.5 ft	2 - 3 ft	1 - 5.2 ft	7.5 - 9.5 ft	0 - 1 ft	1.2 - 2.7 ft
DATE					10/1/2009	10/2/2009	10/2/2009	10/8/2009	10/8/2009	10/2/2009	10/2/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B212-3 6.5-7.5 FT	B213-2 1-1.5 FT	B213-3 2.0-3.0 FT	B214-2 1-5.2 FT	B214-3 7.5-9.5 FT	B215-1 0-1 FT	B215-2 1.2-2.7 FT
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	200	400	0.47	0.47	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	-	-	-	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-215	B-216	B-216	B-216	B-217	B-217	B-217
DEPTH					3.5 - 4.5 ft	0 - 1 ft	1 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 5.5 ft	6.5 - 7.5 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B215-3 3.5-4.5 FT	B216-1 0-1 FT	B216-2 1-3 FT	B216-3 4-5 FT	B217-1 0-1 FT	B217-2 1.0-5.5 FT	B217-3 6.5-7.5 FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	1.2 U	1.2	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U
Arsenic	16	16	16	13	7.9	5.1	8	5.4	7.7	11	6.1
Barium	400	10000	820	350	47	60	92	56	58	110	72
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	0.29 U	0.29	2.8	0.85	0.73	0.99	1.5
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	13	9.2	180	13	120	220	20
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-215	B-216	B-216	B-216	B-217	B-217	B-217
DEPTH					3.5 - 4.5 ft	0 - 1 ft	1 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 5.5 ft	6.5 - 7.5 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B215-3 3.5-4.5 FT	B216-1 0-1 FT	B216-2 1-3 FT	B216-3 4-5 FT	B217-1 0-1 FT	B217-2 1.0-5.5 FT	B217-3 6.5-7.5 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	-	-	-	-	-	-	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-
Anthracene	500	1000	1000	100	-	-	-	-	-	-	-
Atrazine	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-215	B-216	B-216	B-216	B-217	B-217	B-217
DEPTH					3.5 - 4.5 ft	0 - 1 ft	1 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 5.5 ft	6.5 - 7.5 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B215-3 3.5-4.5 FT	B216-1 0-1 FT	B216-2 1-3 FT	B216-3 4-5 FT	B217-1 0-1 FT	B217-2 1.0-5.5 FT	B217-3 6.5-7.5 FT
Benzo(a)pyrene	1	1.1	22	1	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	56	110	1	1	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-			-	-	-	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	-	-	-	-	-	-	-
Fluorene	500	1000	386	30	-	-	-	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	-	-	-	-	-
Isophorone	-	-	4.4	-	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	-	-	-	-	-	-	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
Pyrene	500	1000	1000	100	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	-	-	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	-	-	-	-	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-215	B-216	B-216	B-216	B-217	B-217	B-217
DEPTH					3.5 - 4.5 ft	0 - 1 ft	1 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 5.5 ft	6.5 - 7.5 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B215-3 3.5-4.5 FT	B216-1 0-1 FT	B216-2 1-3 FT	B216-3 4-5 FT	B217-1 0-1 FT	B217-2 1.0-5.5 FT	B217-3 6.5-7.5 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	-	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	-	-	-	-	-
2-Butanone	500	1000	0.12	0.12	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	-	-	-	-	-	-	-
Acetone	500	1000	0.05	0.05	-	-	-	-	-	-	-
Benzene	44	89	0.06	0.06	-	-	-	-	-	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	2.7	-	-	-	-	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	-	-	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
Chloroethane	-	-	1.9	-	-	-	-	-	-	-	-
Chloroform	350	700	0.37	0.37	-	-	-	-	-	-	-
Chloromethane	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	390	780	1	1	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	-	-	-	-	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	-	-	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	-	-	-	-	-
Toluene	500	1000	0.7	0.7	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-215	B-216	B-216	B-216	B-217	B-217	B-217
DEPTH					3.5 - 4.5 ft	0 - 1 ft	1 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 5.5 ft	6.5 - 7.5 ft
DATE					10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B215-3 3.5-4.5 FT	B216-1 0-1 FT	B216-2 1-3 FT	B216-3 4-5 FT	B217-1 0-1 FT	B217-2 1.0-5.5 FT	B217-3 6.5-7.5 FT
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	200	400	0.47	0.47	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	-	-	-	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-218	B-218	B-218	B-218	B-219	B-219	B-220
DEPTH					0 - 1 ft	1 - 7.9 ft	1 - 7.9 ft	10 - 12 ft	1 - 4 ft	5 - 6 ft	1 - 7.8 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/9/2009	10/9/2009	10/9/2009	10/9/2009	10/2/2009	10/2/2009	10/6/2009
SAMPLE TYPE					N	FD	N	N	N	N	N
SAMPLE NAME					B218-1 0-1 FT	DUP-5-100909	B218-2 1-7.9 FT	B218-3 10-12 FT	B219-2 1-4 FT	B219-3 5-6 FT	B220-2 1-7.8 FT
Metals (mg/kg)											
Aluminum	-	-	-	-	8500	-	-	-	-	-	-
Antimony	-	-	-	-	5.4 U	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U
Arsenic	16	16	16	13	**18** † [B]	8.3	6	4.3	2.2	4	12
Barium	400	10000	820	350	84	71	68	25	110	70	100
Beryllium	590	2700	47	7.2	0.48	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	1.4 U	0.3 U	0.3 U	0.27 U	1.2	1.5	0.34
Calcium	-	-	-	-	1500	-	-	-	-	-	-
Chromium	400	800	19	1	5.7	-	-	-	-	-	-
Cobalt	-	-	-	-	9.7	-	-	-	-	-	-
Copper	270	10000	1720	50	71	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	71000	-	-	-	-	-	-
Lead	1000	3900	450	63	150	61	36 J	5.3	18	19	91
Magnesium	-	-	-	-	2000	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	520	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	0.26	-	-	-	-	-	-
Nickel	310	10000	130	30	21	-	-	-	-	-	-
Potassium	-	-	-	-	990	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	11 U [B]	-	-	-	-	-	-
Silver	1500	6800	8.3	2	2.7 U	-	-	-	-	-	-
Sodium	-	-	-	-	98	-	-	-	-	-	-
Thallium	-	-	-	-	1.1 U	-	-	-	-	-	-
Vanadium	-	-	-	-	21	-	-	-	-	-	-
Zinc	10000	10000	2480	109	100	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-218	B-218	B-218	B-218	B-219	B-219	B-220
DEPTH					0 - 1 ft	1 - 7.9 ft	1 - 7.9 ft	10 - 12 ft	1 - 4 ft	5 - 6 ft	1 - 7.8 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/9/2009	10/9/2009	10/9/2009	10/9/2009	10/2/2009	10/2/2009	10/6/2009
SAMPLE TYPE					N	FD	N	N	N	N	N
SAMPLE NAME					B218-1 0-1 FT	DUP-5-100909	B218-2 1-7.9 FT	B218-3 10-12 FT	B219-2 1-4 FT	B219-3 5-6 FT	B220-2 1-7.8 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	0.33 U	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	0.33 U [B]	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	0.33 U	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	0.33 U	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	0.33 U	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	0.33 U [B]	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	0.33 U	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	0.33 U	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	0.033 U	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	0.33 U	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	0.068	-	-	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	0.33 U	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	0.33 U	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	0.33 U [B]	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	0.33 U	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	0.33 U	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	0.33 U	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	0.33 U	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	0.33 U	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	0.33 U [B]	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	0.33 U	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	0.33 U	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	0.33 U [B]	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	0.033 U	-	-	-	-	-	-
Acenaphthylene	500	1000	107	100	0.033 U	-	-	-	-	-	-
Acetophenone	-	-	-	-	0.33 U	-	-	-	-	-	-
Anthracene	500	1000	1000	100	0.033 U	-	-	-	-	-	-
Atrazine	-	-	-	-	0.33 U	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	0.33 U	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	0.06	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-218	B-218	B-218	B-218	B-219	B-219	B-220
DEPTH					0 - 1 ft	1 - 7.9 ft	1 - 7.9 ft	10 - 12 ft	1 - 4 ft	5 - 6 ft	1 - 7.8 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/9/2009	10/9/2009	10/9/2009	10/9/2009	10/2/2009	10/2/2009	10/6/2009
SAMPLE TYPE					N	FD	N	N	N	N	N
SAMPLE NAME					B218-1 0-1 FT	DUP-5-100909	B218-2 1-7.9 FT	B218-3 10-12 FT	B219-2 1-4 FT	B219-3 5-6 FT	B220-2 1-7.8 FT
Benzo(a)pyrene	1	1.1	22	1	0.047	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	0.087	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	0.033 U	-	-	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	0.037	-	-	-	-	-	-
Biphenyl	-	-	-	-	0.33 U	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	0.33 U	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	0.33 U	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	0.33 U	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	0.33 U	-	-	-	-	-	-
Caprolactam	-	-	-	-	0.33 U	-	-	-	-	-	-
Carbazole	-	-	-	-	0.33 U	-	-	-	-	-	-
Chrysene	56	110	1	1	0.12	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-			0.033 U	-	-	-	-	-	-
Dibenzofuran	350	1000	6.2	7	0.33 U	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	0.33 U	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	0.33 U	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	0.33 U	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	0.33 U	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	0.096	-	-	-	-	-	-
Fluorene	500	1000	386	30	0.033 U	-	-	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	0.33 U	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	0.33 U	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	0.33 U	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	0.33 U	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	0.033 U	-	-	-	-	-	-
Isophorone	-	-	4.4	-	0.33 U	-	-	-	-	-	-
Naphthalene	500	1000	12	12	0.049	-	-	-	-	-	-
Nitrobenzene	69	140	0.17	-	0.33 U [B]	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	0.33 U	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	0.33 U	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	0.33 U	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	0.12	-	-	-	-	-	-
Phenol	500	1000	0.33	0.33	0.33 U	-	-	-	-	-	-
Pyrene	500	1000	1000	100	0.086	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	0.0054 U	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	0.0054 U	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	0.0054 U	-	-	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	0.0054 U	-	-	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	0.0054 U	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	0.0054 U	-	-	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	0.027 U	-	-	-	-	-	-
1,2-Dibromoethane	-	-	-	-	0.0054 U	-	-	-	-	-	-

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TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-218	B-218	B-218	B-218	B-219	B-219	B-220
DEPTH					0 - 1 ft	1 - 7.9 ft	1 - 7.9 ft	10 - 12 ft	1 - 4 ft	5 - 6 ft	1 - 7.8 ft
DATE	Restricted	Restricted	Groundwater		10/9/2009	10/9/2009	10/9/2009	10/9/2009	10/2/2009	10/2/2009	10/6/2009
SAMPLE TYPE	Commercial	Industrial	Protection	Unrestricted	N	FD	N	N	N	N	N
SAMPLE NAME	Criteria	Criteria	Criteria	Criteria	B218-1 0-1 FT	DUP-5-100909	B218-2 1-7.9 FT	B218-3 10-12 FT	B219-2 1-4 FT	B219-3 5-6 FT	B220-2 1-7.8 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	0.0054 U	-	-	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	0.0054 U	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	0.0054 U	-	-	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	0.0054 U	-	-	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	0.0054 U	-	-	-	-	-	-
2-Butanone	500	1000	0.12	0.12	0.054 U	-	-	-	-	-	-
2-Hexanone	-	-	-	-	0.054 U	-	-	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	0.054 U	-	-	-	-	-	-
Acetone	500	1000	0.05	0.05	0.27 U [B]	-	-	-	-	-	-
Benzene	44	89	0.06	0.06	0.0054 U	-	-	-	-	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	0.0054 U	-	-	-	-	-	-
Bromoform	-	-	-	-	0.0054 U	-	-	-	-	-	-
Bromomethane	-	-	-	-	0.027 U	-	-	-	-	-	-
Carbon disulfide	-	-	2.7	-	0.0054 U	-	-	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	0.0054 U	-	-	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	0.0054 U	-	-	-	-	-	-
Chloroethane	-	-	1.9	-	0.027 U	-	-	-	-	-	-
Chloroform	350	700	0.37	0.37	0.027 U	-	-	-	-	-	-
Chloromethane	-	-	-	-	0.0054 U	-	-	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	0.0054 U	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	0.0054 U	-	-	-	-	-	-
Cyclohexane	-	-	-	-	0.0054 U	-	-	-	-	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	0.0054 U	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	0.027 U	-	-	-	-	-	-
Ethylbenzene	390	780	1	1	0.0054 U	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	0.054 U	-	-	-	-	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	0.11 U	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	0.0054 U	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	0.0054 U	-	-	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	0.027 U	-	-	-	-	-	-
Naphthalene	500	1000	12	12	0.027 U	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	0.0054 U	-	-	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	0.0054 U	-	-	-	-	-	-
Toluene	500	1000	0.7	0.7	0.027 U	-	-	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	0.0054 U	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-218	B-218	B-218	B-218	B-219	B-219	B-220
DEPTH					0 - 1 ft	1 - 7.9 ft	1 - 7.9 ft	10 - 12 ft	1 - 4 ft	5 - 6 ft	1 - 7.8 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/9/2009	10/9/2009	10/9/2009	10/9/2009	10/2/2009	10/2/2009	10/6/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	FD	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B218-1 0-1 FT	DUP-5-100909	B218-2 1-7.9 FT	B218-3 10-12 FT	B219-2 1-4 FT	B219-3 5-6 FT	B220-2 1-7.8 FT
trans-1,3-Dichloropropene	-	-	-	-	0.0054 U	-	-	-	-	-	-
Trichloroethene	200	400	0.47	0.47	0.0054 U	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	0.027 U	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	0.0054 U	-	-	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	0.0054 U	-	-	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	0.016 U	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-220	B-220	B-221	B-221	B-221	B-221	B-221
DEPTH					10 - 12 ft	25 - 27 ft	0 - 1 ft	1 - 4 ft	25 - 27 ft	7 - 8 ft	7 - 8 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/6/2009	10/6/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009
SAMPLE TYPE					N	N	N	N	N	FD	N
SAMPLE NAME					B220-3 10-12 FT	B220-4 25-27 FT	B221-1 0-1FT	B221-2 1-4FT	B221-4 25-27FT	DUP-7-101409	B221-3 7-8FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	1.1 U	-	5.5	1.2 U	-	1.1 U	1.1 U
Arsenic	16	16	16	13	6.3	-	11 J	6.5 J	-	5.5 U	3.3 J
Barium	400	10000	820	350	41	-	57 J	58 J	-	22 J	43 J
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	1.2	-	0.96	0.3 U	-	0.28 U	0.26 U
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	14	-	900 J [B]	10 J	-	3.6 J	4.2 J
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-220	B-220	B-221	B-221	B-221	B-221	B-221
DEPTH					10 - 12 ft	25 - 27 ft	0 - 1 ft	1 - 4 ft	25 - 27 ft	7 - 8 ft	7 - 8 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/6/2009	10/6/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	FD	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B220-3 10-12 FT	B220-4 25-27 FT	B221-1 0-1FT	B221-2 1-4FT	B221-4 25-27FT	DUP-7-101409	B221-3 7-8FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	-	0.15	-	-	-	-	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-
Anthracene	500	1000	1000	100	-	0.13	-	-	-	-	-
Atrazine	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	-	0.036 U	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-220	B-220	B-221	B-221	B-221	B-221	B-221
DEPTH					10 - 12 ft	25 - 27 ft	0 - 1 ft	1 - 4 ft	25 - 27 ft	7 - 8 ft	7 - 8 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/6/2009	10/6/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	FD	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B220-3 10-12 FT	B220-4 25-27 FT	B221-1 0-1FT	B221-2 1-4FT	B221-4 25-27FT	DUP-7-101409	B221-3 7-8FT
Benzo(a)pyrene	1	1.1	22	1	-	0.036 U	-	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	0.036 U	-	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	0.036 U	-	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	0.036 U	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	56	110	1	1	-	0.036 U	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-			-	0.036 U	-	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	-	0.036 U	-	-	-	-	-
Fluorene	500	1000	386	30	-	0.13	-	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	0.036 U	-	-	-	-	-
Isophorone	-	-	4.4	-	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	-	0.17	-	-	-	-	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
Pyrene	500	1000	1000	100	-	0.036 U	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	0.055 U	-	-	0.27 U	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	0.055 U	-	-	0.27 U	-	-
1,1,2-Trichloroethane	-	-	-	-	-	0.055 U	-	-	0.27 U	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	0.055 U	-	-	0.27 U	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	0.055 U	-	-	0.27 U	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	0.055 U	-	-	0.27 U	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	0.27 U	-	-	1.4 U	-	-
1,2-Dibromoethane	-	-	-	-	-	0.055 U	-	-	0.27 U	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-220	B-220	B-221	B-221	B-221	B-221	B-221
DEPTH					10 - 12 ft	25 - 27 ft	0 - 1 ft	1 - 4 ft	25 - 27 ft	7 - 8 ft	7 - 8 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/6/2009	10/6/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	FD	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B220-3 10-12 FT	B220-4 25-27 FT	B221-1 0-1FT	B221-2 1-4FT	B221-4 25-27FT	DUP-7-101409	B221-3 7-8FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	0.055 U	-	-	0.27 U	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	0.055 U [B]	-	-	0.27 U [B]	-	-
1,2-Dichloropropane	-	-	-	-	-	0.055 U	-	-	0.27 U	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	0.055 U	-	-	0.27 U	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	0.055 U	-	-	0.27 U	-	-
2-Butanone	500	1000	0.12	0.12	-	4 [B]	-	-	2.7 U [B]	-	-
2-Hexanone	-	-	-	-	-	0.55 U	-	-	2.7 U	-	-
4-Methyl-2-pentanone	-	-	1	-	-	0.55 U	-	-	2.7 U [B]	-	-
Acetone	500	1000	0.05	0.05	-	2.7 U [B]	-	-	14 U [B]	-	-
Benzene	44	89	0.06	0.06	-	0.055 U	-	-	0.27 U [B]	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	0.055 U	-	-	0.27 U	-	-
Bromoform	-	-	-	-	-	0.055 U	-	-	0.27 U	-	-
Bromomethane	-	-	-	-	-	0.27 U	-	-	1.4 U	-	-
Carbon disulfide	-	-	2.7	-	-	0.055 U	-	-	0.27 U	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	0.055 U	-	-	0.27 U	-	-
Chlorobenzene	500	1000	1.1	1.1	-	0.055 U	-	-	0.27 U	-	-
Chloroethane	-	-	1.9	-	-	0.27 U	-	-	1.4 U	-	-
Chloroform	350	700	0.37	0.37	-	0.27 U	-	-	1.4 U [B]	-	-
Chloromethane	-	-	-	-	-	0.055 U	-	-	0.27 U	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	0.055 U	-	-	0.27 U [B]	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	0.055 U	-	-	0.27 U	-	-
Cyclohexane	-	-	-	-	-	0.055 U	-	-	0.27 U	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	0.055 U	-	-	0.27 U	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	0.27 U	-	-	1.4 U	-	-
Ethylbenzene	390	780	1	1	-	0.055 U	-	-	0.27 U	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	0.55 U	-	-	2.7 U	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	1.1 U	-	-	5.4 U	-	-
Methyl cyclohexane	-	-	-	-	-	0.055 U	-	-	0.27 U	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	0.13	-	-	0.27 U	-	-
Methylene chloride	500	1000	0.05	0.05	-	0.27 U [B]	-	-	1.4 U [B]	-	-
Naphthalene	500	1000	12	12	-	0.27 U	-	-	1.4 U	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	0.055 U	-	-	0.27 U	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	0.055 U	-	-	0.27 U	-	-
Toluene	500	1000	0.7	0.7	-	0.27 U	-	-	1.4 U [B]	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	0.055 U	-	-	0.27 U [B]	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-220	B-220	B-221	B-221	B-221	B-221	B-221
DEPTH					10 - 12 ft	25 - 27 ft	0 - 1 ft	1 - 4 ft	25 - 27 ft	7 - 8 ft	7 - 8 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/6/2009	10/6/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009	10/14/2009
SAMPLE TYPE					N	N	N	N	N	FD	N
SAMPLE NAME					B220-3 10-12 FT	B220-4 25-27 FT	B221-1 0-1FT	B221-2 1-4FT	B221-4 25-27FT	DUP-7-101409	B221-3 7-8FT
trans-1,3-Dichloropropene	-	-	-	-	-	0.055 U	-	-	0.27 U	-	-
Trichloroethene	200	400	0.47	0.47	-	0.055 U	-	-	0.27 U	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	0.27 U	-	-	1.4 U	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	0.055 U	-	-	0.27 U	-	-
Vinyl chloride	13	27	0.02	0.02	-	0.055 U [B]	-	-	0.27 U [B]	-	-
Xylenes (total)	500	1000	1.6	0.26	-	0.16 U	-	-	0.82 U	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-222	B-222	B-222	B-222	B-223	B-223	B-223
DEPTH					0 - 1 ft	1 - 5 ft	22 - 23 ft	7 - 9 ft	0 - 1 ft	1 - 7 ft	23 - 24 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/15/2009	10/15/2009	10/13/2009	10/15/2009	10/15/2009	10/15/2009	10/15/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B222-1 0-1FT	B222-2 1-5FT	B222-4 22-23FT	B222-3 7-9FT	B223-1 0-1FT	B223-2 1-7FT	B223-4 23-24FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	4700 J	-	-
Antimony	-	-	-	-	2.9	1.2 U	-	1.1 U	9.5	1.2	-
Arsenic	16	16	16	13	9.7 J	5.1 J	-	4.4 J	9.6 J	7 J	-
Barium	400	10000	820	350	110 J	110 J	-	34 J	76 J	82 J	-
Beryllium	590	2700	47	7.2	-	-	-	-	0.3	-	-
Cadmium	9.3	60	7.5	2.5	1.5	0.31 U	-	0.27 U	0.76	0.35	-
Calcium	-	-	-	-	-	-	-	-	9100 J	-	-
Chromium	400	800	19	1	-	-	-	-	8.2	-	-
Cobalt	-	-	-	-	-	-	-	-	4.1	-	-
Copper	270	10000	1720	50	-	-	-	-	66	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	14000 J	-	-
Lead	1000	3900	450	63	800 J [B]	10 J	-	5.8 J	510 J [B]	170 J	-
Magnesium	-	-	-	-	-	-	-	-	1500 J	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	250 J	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	0.056	-	-
Nickel	310	10000	130	30	-	-	-	-	8.2	-	-
Potassium	-	-	-	-	-	-	-	-	760	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	10 [B]	-	-
Silver	1500	6800	8.3	2	-	-	-	-	0.72 U	-	-
Sodium	-	-	-	-	-	-	-	-	70 J	-	-
Thallium	-	-	-	-	-	-	-	-	1.4 U	-	-
Vanadium	-	-	-	-	-	-	-	-	10	-	-
Zinc	10000	10000	2480	109	-	-	-	-	53 J	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-222	B-222	B-222	B-222	B-223	B-223	B-223
DEPTH					0 - 1 ft	1 - 5 ft	22 - 23 ft	7 - 9 ft	0 - 1 ft	1 - 7 ft	23 - 24 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/15/2009	10/15/2009	10/13/2009	10/15/2009	10/15/2009	10/15/2009	10/15/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B222-1 0-1FT	B222-2 1-5FT	B222-4 22-23FT	B222-3 7-9FT	B223-1 0-1FT	B223-2 1-7FT	B223-4 23-24FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	0.48 U	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	0.48 U [B]	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	0.48 U	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	0.48 U [B]	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	0.48 U	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	0.48 U [B]	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	0.48 U	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	0.48 U	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	0.048 U	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	0.48 U	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	0.048 U	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	0.48 U [B]	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	0.48 U [B]	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	0.48 U [B]	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	0.48 U	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	0.48 U	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	0.48 U	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	0.48 U	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	0.48 U	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	0.48 U [B]	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	0.48 U	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	0.48 U	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	0.48 U [B]	-	-
Acenaphthene	500	1000	98	20	-	-	0.71 U	-	0.048 U	-	0.29
Acenaphthylene	500	1000	107	100	-	-	-	-	0.048 U	-	-
Acetophenone	-	-	-	-	-	-	-	-	0.48 U	-	-
Anthracene	500	1000	1000	100	-	-	0.71 U	-	0.048 U	-	0.19
Atrazine	-	-	-	-	-	-	-	-	0.48 U	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	0.48 U	-	-
Benzo(a)anthracene	5.6	11	1	1	-	-	0.036 U	-	0.048 U	-	0.036 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-222	B-222	B-222	B-222	B-223	B-223	B-223
DEPTH					0 - 1 ft	1 - 5 ft	22 - 23 ft	7 - 9 ft	0 - 1 ft	1 - 7 ft	23 - 24 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/15/2009	10/15/2009	10/13/2009	10/15/2009	10/15/2009	10/15/2009	10/15/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B222-1 0-1FT	B222-2 1-5FT	B222-4 22-23FT	B222-3 7-9FT	B223-1 0-1FT	B223-2 1-7FT	B223-4 23-24FT
Benzo(a)pyrene	1	1.1	22	1	-	-	0.036 U	-	0.048 U	-	0.036 U
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	0.036 U	-	0.048 U	-	0.036 U
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	0.036 U	-	0.048 U	-	0.036 U
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	0.036 U	-	0.048 U	-	0.036 U
Biphenyl	-	-	-	-	-	-	-	-	0.48 U	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	0.48 U	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	0.48 U	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	0.48 U	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	0.48 U	-	-
Caprolactam	-	-	-	-	-	-	-	-	0.48 U	-	-
Carbazole	-	-	-	-	-	-	-	-	0.48 U	-	-
Chrysene	56	110	1	1	-	-	0.036 U	-	0.048 U	-	0.036 U
Dibenzo(a,h)anthracene	-	-			-	-	0.036 U	-	0.048 U	-	0.036 U
Dibenzofuran	350	1000	6.2	7	-	-	-	-	0.48 U	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	0.48 U	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	0.48 U	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	0.48 U	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	0.48 U	-	-
Fluoranthene	500	1000	1000	100	-	-	0.71 U	-	0.05	-	0.036 U
Fluorene	500	1000	386	30	-	-	0.71 U	-	0.048 U	-	0.6
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	0.48 U	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	0.48 U	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	0.48 U	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	0.48 U	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	0.036 U	-	0.048 U	-	0.036 U
Isophorone	-	-	4.4	-	-	-	-	-	0.48 U	-	-
Naphthalene	500	1000	12	12	-	-	-	-	0.048 U	-	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	0.48 U [B]	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	0.48 U	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	0.48 U	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	0.48 U	-	-
Phenanthrene	500	1000	1000	100	-	-	1.4	-	0.048 U	-	0.036 U
Phenol	500	1000	0.33	0.33	-	-	-	-	0.48 U [B]	-	-
Pyrene	500	1000	1000	100	-	-	0.065	-	0.052	-	0.051
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	0.054 U	-	0.0072 U	-	0.55 U
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	0.054 U	-	0.0072 U	-	0.55 U
1,1,2-Trichloroethane	-	-	-	-	-	-	0.054 U	-	0.0072 U	-	0.55 U
1,1-Dichloroethane	240	480	0.27	0.27	-	-	0.054 U	-	0.0072 U	-	0.55 U [B]
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	0.054 U	-	0.0072 U	-	0.55 U [B]
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	0.054 U	-	0.0072 U	-	0.55 U
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	0.27 U	-	0.036 U	-	2.8 U
1,2-Dibromoethane	-	-	-	-	-	-	0.054 U	-	0.0072 U	-	0.55 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-222	B-222	B-222	B-222	B-223	B-223	B-223
DEPTH					0 - 1 ft	1 - 5 ft	22 - 23 ft	7 - 9 ft	0 - 1 ft	1 - 7 ft	23 - 24 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/15/2009	10/15/2009	10/13/2009	10/15/2009	10/15/2009	10/15/2009	10/15/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B222-1 0-1FT	B222-2 1-5FT	B222-4 22-23FT	B222-3 7-9FT	B223-1 0-1FT	B223-2 1-7FT	B223-4 23-24FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	0.054 U	-	0.0072 U	-	0.55 U
1,2-Dichloroethane	30	60	0.02	0.02	-	-	0.054 U [B]	-	0.0072 U	-	0.55 U [B]
1,2-Dichloropropane	-	-	-	-	-	-	0.054 U	-	0.0072 U	-	0.55 U
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	0.054 U	-	0.0072 U	-	0.55 U
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	0.054 U	-	0.0072 U	-	0.55 U
2-Butanone	500	1000	0.12	0.12	-	-	0.54 U [B]	-	0.072 U	-	5.5 U [B]
2-Hexanone	-	-	-	-	-	-	0.54 U	-	0.072 U	-	5.5 U
4-Methyl-2-pentanone	-	-	1	-	-	-	0.54 U	-	0.072 U	-	5.5 U [B]
Acetone	500	1000	0.05	0.05	-	-	2.7 U [B]	-	0.36 U [B]	-	28 U [B]
Benzene	44	89	0.06	0.06	-	-	0.054 U	-	0.0072 U	-	0.55 U [B]
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	0.054 U	-	0.0072 U	-	0.55 U
Bromoform	-	-	-	-	-	-	0.054 U	-	0.0072 U	-	0.55 U
Bromomethane	-	-	-	-	-	-	0.27 U	-	0.036 U	-	2.8 U
Carbon disulfide	-	-	2.7	-	-	-	0.054 U	-	0.0072 U	-	0.55 U
Carbon tetrachloride	22	44	0.76	0.76	-	-	0.054 U	-	0.0072 U	-	0.55 U
Chlorobenzene	500	1000	1.1	1.1	-	-	0.054 U	-	0.0072 U	-	0.55 U
Chloroethane	-	-	1.9	-	-	-	0.27 U	-	0.036 U	-	2.8 U
Chloroform	350	700	0.37	0.37	-	-	0.27 U	-	0.036 U	-	2.8 U [B]
Chloromethane	-	-	-	-	-	-	0.054 U	-	0.0072 U	-	0.55 U
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	0.054 U	-	0.0072 U	-	0.55 U [B]
cis-1,3-Dichloropropene	-	-	-	-	-	-	0.054 U	-	0.0072 U	-	0.55 U
Cyclohexane	-	-	-	-	-	-	0.054 U	-	0.0072 U	-	0.55 U
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	0.054 U	-	0.0072 U	-	0.55 U
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	0.27 U	-	0.036 U	-	2.8 U
Ethylbenzene	390	780	1	1	-	-	0.054 U	-	0.0072 U	-	0.55 U
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	-	0.54 U	-	0.072 U	-	5.5 U
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	1.1 U	-	0.14 U	-	11 U
Methyl cyclohexane	-	-	-	-	-	-	0.24	-	0.0072 U	-	0.55 U
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	-	0.054 U	-	0.0072 U	-	0.55 U
Methylene chloride	500	1000	0.05	0.05	-	-	0.27 U [B]	-	0.036 U	-	2.8 U [B]
Naphthalene	500	1000	12	12	-	-	0.27 U	-	0.036 U	-	2.8 U
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	0.054 U	-	0.0072 U	-	0.55 U
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	0.054 U	-	0.0072 U	-	0.55 U
Toluene	500	1000	0.7	0.7	-	-	0.27 U	-	0.036 U	-	2.8 U [B]
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	0.054 U	-	0.0072 U	-	0.55 U [B]

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-222	B-222	B-222	B-222	B-223	B-223	B-223
DEPTH					0 - 1 ft	1 - 5 ft	22 - 23 ft	7 - 9 ft	0 - 1 ft	1 - 7 ft	23 - 24 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/15/2009	10/15/2009	10/13/2009	10/15/2009	10/15/2009	10/15/2009	10/15/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B222-1 0-1FT	B222-2 1-5FT	B222-4 22-23FT	B222-3 7-9FT	B223-1 0-1FT	B223-2 1-7FT	B223-4 23-24FT
trans-1,3-Dichloropropene	-	-	-	-	-	-	0.054 U	-	0.0072 U	-	0.55 U
Trichloroethene	200	400	0.47	0.47	-	-	0.054 U	-	0.0072 U	-	0.55 U
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	0.27 U	-	0.036 U	-	2.8 U
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	0.054 U	-	0.0072 U	-	0.55 U
Vinyl chloride	13	27	0.02	0.02	-	-	0.054 U [B]	-	0.0072 U	-	0.55 U [B]
Xylenes (total)	500	1000	1.6	0.26	-	-	0.16 U	-	0.022 U	-	1.7 U [B]

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-223	B-224	B-224	B-225	B-225	B-225	B-225
DEPTH					9 - 10 ft	1 - 6 ft	7 - 8 ft	0 - 1 ft	0 - 1 ft	1 - 5.1 ft	6 - 7 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/15/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009
SAMPLE TYPE					N	N	N	FD	N	N	N
SAMPLE NAME					B223-3 9-10FT	B224-2 1-6 FT	B224-3 7-8 FT	DUP-1-100209	B225-1 0-1 FT	B225-2 1-5.1 FT	B225-3 6-7 FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	1.1 U	2.4	1.1 U	2.8	1.1 U	1.2 U	1.2 U
Arsenic	16	16	16	13	4.5	5.8	3.4	**26** † **[B]**	14 J	1.3	5.3
Barium	400	10000	820	350	26	76	48	32	22	97	36
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	0.27 U	1.3	1.1	5.6	1.1	1.2	1.5
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	5.3	27	19	210	68 J	23	19
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-223	B-224	B-224	B-225	B-225	B-225	B-225
DEPTH					9 - 10 ft	1 - 6 ft	7 - 8 ft	0 - 1 ft	0 - 1 ft	1 - 5.1 ft	6 - 7 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/15/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	FD	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B223-3 9-10FT	B224-2 1-6 FT	B224-3 7-8 FT	DUP-1-100209	B225-1 0-1 FT	B225-2 1-5.1 FT	B225-3 6-7 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	-	-	-	-	-	-	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-
Anthracene	500	1000	1000	100	-	-	-	-	-	-	-
Atrazine	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-223	B-224	B-224	B-225	B-225	B-225	B-225
DEPTH					9 - 10 ft	1 - 6 ft	7 - 8 ft	0 - 1 ft	0 - 1 ft	1 - 5.1 ft	6 - 7 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/15/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	FD	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B223-3 9-10FT	B224-2 1-6 FT	B224-3 7-8 FT	DUP-1-100209	B225-1 0-1 FT	B225-2 1-5.1 FT	B225-3 6-7 FT
Benzo(a)pyrene	1	1.1	22	1	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	56	110	1	1	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-			-	-	-	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	-	-	-	-	-	-	-
Fluorene	500	1000	386	30	-	-	-	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	-	-	-	-	-
Isophorone	-	-	4.4	-	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	-	-	-	-	-	-	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
Pyrene	500	1000	1000	100	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	-	-	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	-	-	-	-	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-223	B-224	B-224	B-225	B-225	B-225	B-225
DEPTH					9 - 10 ft	1 - 6 ft	7 - 8 ft	0 - 1 ft	0 - 1 ft	1 - 5.1 ft	6 - 7 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/15/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009
SAMPLE TYPE					N	N	N	FD	N	N	N
SAMPLE NAME					B223-3 9-10FT	B224-2 1-6 FT	B224-3 7-8 FT	DUP-1-100209	B225-1 0-1 FT	B225-2 1-5.1 FT	B225-3 6-7 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	-	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	-	-	-	-	-
2-Butanone	500	1000	0.12	0.12	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	-	-	-	-	-	-	-
Acetone	500	1000	0.05	0.05	-	-	-	-	-	-	-
Benzene	44	89	0.06	0.06	-	-	-	-	-	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	2.7	-	-	-	-	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	-	-	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
Chloroethane	-	-	1.9	-	-	-	-	-	-	-	-
Chloroform	350	700	0.37	0.37	-	-	-	-	-	-	-
Chloromethane	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	390	780	1	1	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	-	-	-	-	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	-	-	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	-	-	-	-	-
Toluene	500	1000	0.7	0.7	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-223	B-224	B-224	B-225	B-225	B-225	B-225
DEPTH					9 - 10 ft	1 - 6 ft	7 - 8 ft	0 - 1 ft	0 - 1 ft	1 - 5.1 ft	6 - 7 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/15/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/2/2009
SAMPLE TYPE					N	N	N	FD	N	N	N
SAMPLE NAME					B223-3 9-10FT	B224-2 1-6 FT	B224-3 7-8 FT	DUP-1-100209	B225-1 0-1 FT	B225-2 1-5.1 FT	B225-3 6-7 FT
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	200	400	0.47	0.47	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	-	-	-	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-226	B-226	B-226	B-226	B-227	B-227	B-227
DEPTH					0 - 1 ft	1 - 3 ft	1 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 5 ft	10 - 11 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/5/2009	10/5/2009	10/5/2009
SAMPLE TYPE					N	FD	N	N	N	N	N
SAMPLE NAME					B226-1 0-1 FT	DUP-2-100209	B226-2 1-3 FT	B226-3 4-5 FT	B227-1 0-1 FT	B227-2 1-5 T	B227-3 10-11 FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	2.1	1.2 U	1.2 U	1 U	1.2 U	1.2 U	1.1 U
Arsenic	16	16	16	13	**87** † [B]	4.8	7	4.7	2.8	5.9	3.7
Barium	400	10000	820	350	170	93	99	32	80	140	36
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	7.4	1.8	1.6	0.26 U	1.5	1.7	0.39
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	490 [B]	90	120	8	61	150	11
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-226	B-226	B-226	B-226	B-227	B-227	B-227
DEPTH					0 - 1 ft	1 - 3 ft	1 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 5 ft	10 - 11 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/5/2009	10/5/2009	10/5/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	FD	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B226-1 0-1 FT	DUP-2-100209	B226-2 1-3 FT	B226-3 4-5 FT	B227-1 0-1 FT	B227-2 1-5 T	B227-3 10-11 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	-	-	-	-	-	-	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-
Anthracene	500	1000	1000	100	-	-	-	-	-	-	-
Atrazine	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-226	B-226	B-226	B-226	B-227	B-227	B-227
DEPTH					0 - 1 ft	1 - 3 ft	1 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 5 ft	10 - 11 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/5/2009	10/5/2009	10/5/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	FD	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B226-1 0-1 FT	DUP-2-100209	B226-2 1-3 FT	B226-3 4-5 FT	B227-1 0-1 FT	B227-2 1-5 T	B227-3 10-11 FT
Benzo(a)pyrene	1	1.1	22	1	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	56	110	1	1	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-			-	-	-	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	-	-	-	-	-	-	-
Fluorene	500	1000	386	30	-	-	-	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	-	-	-	-	-
Isophorone	-	-	4.4	-	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	-	-	-	-	-	-	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
Pyrene	500	1000	1000	100	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	-	-	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	-	-	-	-	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-226	B-226	B-226	B-226	B-227	B-227	B-227
DEPTH					0 - 1 ft	1 - 3 ft	1 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 5 ft	10 - 11 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/5/2009	10/5/2009	10/5/2009
SAMPLE TYPE					N	FD	N	N	N	N	N
SAMPLE NAME					B226-1 0-1 FT	DUP-2-100209	B226-2 1-3 FT	B226-3 4-5 FT	B227-1 0-1 FT	B227-2 1-5 T	B227-3 10-11 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	-	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	-	-	-	-	-
2-Butanone	500	1000	0.12	0.12	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	-	-	-	-	-	-	-
Acetone	500	1000	0.05	0.05	-	-	-	-	-	-	-
Benzene	44	89	0.06	0.06	-	-	-	-	-	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	2.7	-	-	-	-	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	-	-	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
Chloroethane	-	-	1.9	-	-	-	-	-	-	-	-
Chloroform	350	700	0.37	0.37	-	-	-	-	-	-	-
Chloromethane	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	390	780	1	1	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	-	-	-	-	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	-	-	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	-	-	-	-	-
Toluene	500	1000	0.7	0.7	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-226	B-226	B-226	B-226	B-227	B-227	B-227
DEPTH					0 - 1 ft	1 - 3 ft	1 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 5 ft	10 - 11 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/2/2009	10/2/2009	10/2/2009	10/2/2009	10/5/2009	10/5/2009	10/5/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	FD	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B226-1 0-1 FT	DUP-2-100209	B226-2 1-3 FT	B226-3 4-5 FT	B227-1 0-1 FT	B227-2 1-5 T	B227-3 10-11 FT
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	200	400	0.47	0.47	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	-	-	-	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-227	B-228	B-228	B-228	B-229	B-229	B-230
DEPTH					6 - 8 ft	0 - 1 ft	1 - 2.5 ft	3.5 - 4.5 ft	1 - 9 ft	11 - 12 ft	1 - 12 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/5/2009	10/2/2009	10/2/2009	10/2/2009	10/5/2009	10/5/2009	10/6/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B227-4 6-8 FT	B228-1 0-1 FT	B228-2 1-2.5 FT	B228-3 3.5-4.5 FT	B229-2 1-9 FT	B229-3 11-12 FT	B230-2 1-12 FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	1.2 U	1.2 U	3	1.2	1.2 U	1.2 U	13
Arsenic	16	16	16	13	5.7	7.2	14	9.7	6.7	3.6	**250 † [B]**
Barium	400	10000	820	350	62	110	140	43	92	47	95
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	2.3	0.39	0.57	0.29 U	1.8	1.7	0.29 U
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	21	180	120	12	240	19	21
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-227	B-228	B-228	B-228	B-229	B-229	B-230
DEPTH					6 - 8 ft	0 - 1 ft	1 - 2.5 ft	3.5 - 4.5 ft	1 - 9 ft	11 - 12 ft	1 - 12 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/5/2009	10/2/2009	10/2/2009	10/2/2009	10/5/2009	10/5/2009	10/6/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B227-4 6-8 FT	B228-1 0-1 FT	B228-2 1-2.5 FT	B228-3 3.5-4.5 FT	B229-2 1-9 FT	B229-3 11-12 FT	B230-2 1-12 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	0.038 U	-	-	-	-	-	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-
Anthracene	500	1000	1000	100	0.038 U	-	-	-	-	-	-
Atrazine	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	0.038 U	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-227	B-228	B-228	B-228	B-229	B-229	B-230
DEPTH					6 - 8 ft	0 - 1 ft	1 - 2.5 ft	3.5 - 4.5 ft	1 - 9 ft	11 - 12 ft	1 - 12 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/5/2009	10/2/2009	10/2/2009	10/2/2009	10/5/2009	10/5/2009	10/6/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B227-4 6-8 FT	B228-1 0-1 FT	B228-2 1-2.5 FT	B228-3 3.5-4.5 FT	B229-2 1-9 FT	B229-3 11-12 FT	B230-2 1-12 FT
Benzo(a)pyrene	1	1.1	22	1	0.038 U	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	0.038 U	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	0.038 U	-	-	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	0.038 U	-	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	56	110	1	1	0.038 U	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-			0.038 U	-	-	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	0.038 U	-	-	-	-	-	-
Fluorene	500	1000	386	30	0.038 U	-	-	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	0.038 U	-	-	-	-	-	-
Isophorone	-	-	4.4	-	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	0.038 U	-	-	-	-	-	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
Pyrene	500	1000	1000	100	0.038 U	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	-	-	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	-	-	-	-	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-227	B-228	B-228	B-228	B-229	B-229	B-230
DEPTH					6 - 8 ft	0 - 1 ft	1 - 2.5 ft	3.5 - 4.5 ft	1 - 9 ft	11 - 12 ft	1 - 12 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/5/2009	10/2/2009	10/2/2009	10/2/2009	10/5/2009	10/5/2009	10/6/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B227-4 6-8 FT	B228-1 0-1 FT	B228-2 1-2.5 FT	B228-3 3.5-4.5 FT	B229-2 1-9 FT	B229-3 11-12 FT	B230-2 1-12 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	-	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	-	-	-	-	-
2-Butanone	500	1000	0.12	0.12	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	-	-	-	-	-	-	-
Acetone	500	1000	0.05	0.05	-	-	-	-	-	-	-
Benzene	44	89	0.06	0.06	-	-	-	-	-	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	2.7	-	-	-	-	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	-	-	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
Chloroethane	-	-	1.9	-	-	-	-	-	-	-	-
Chloroform	350	700	0.37	0.37	-	-	-	-	-	-	-
Chloromethane	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	390	780	1	1	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	-	-	-	-	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	-	-	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	-	-	-	-	-
Toluene	500	1000	0.7	0.7	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-227	B-228	B-228	B-228	B-229	B-229	B-230
DEPTH					6 - 8 ft	0 - 1 ft	1 - 2.5 ft	3.5 - 4.5 ft	1 - 9 ft	11 - 12 ft	1 - 12 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/5/2009	10/2/2009	10/2/2009	10/2/2009	10/5/2009	10/5/2009	10/6/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B227-4 6-8 FT	B228-1 0-1 FT	B228-2 1-2.5 FT	B228-3 3.5-4.5 FT	B229-2 1-9 FT	B229-3 11-12 FT	B230-2 1-12 FT
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	200	400	0.47	0.47	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	-	-	-	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-230	B-230	B-231	B-231	B-231	B-231	B-232
DEPTH					15 - 17 ft	23 - 24 ft	0 - 1 ft	1 - 12.8 ft	14 - 15 ft	23 - 24 ft	1 - 9.7 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/6/2009	10/6/2009	10/15/2009	10/15/2009	10/15/2009	10/15/2009	10/9/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B230-3 15-17 FT	B230-4 23-24 FT	B231-1 0-1FT	B231-2 1-12.8FT	B231-3 14-15FT	B231-4 23-24FT	B232-2 1-9.7 FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	1.1 U	-	1.2 U	1.1 U	1 U	-	1.2 U
Arsenic	16	16	16	13	6.6	-	**18 † [B]**	8.2	3.2	-	3.5
Barium	400	10000	820	350	43	-	270	60	33 J	-	140
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	0.28 U	-	0.6	0.28 U	0.26 U	-	2.3
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	6.9	-	280	490 [B]	13	-	22
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-230	B-230	B-231	B-231	B-231	B-231	B-232
DEPTH					15 - 17 ft	23 - 24 ft	0 - 1 ft	1 - 12.8 ft	14 - 15 ft	23 - 24 ft	1 - 9.7 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/6/2009	10/6/2009	10/15/2009	10/15/2009	10/15/2009	10/15/2009	10/9/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B230-3 15-17 FT	B230-4 23-24 FT	B231-1 0-1FT	B231-2 1-12.8FT	B231-3 14-15FT	B231-4 23-24FT	B232-2 1-9.7 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	0.37 U	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	0.37 U [B]	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	0.37 U	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	0.37 U	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	0.37 U	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	0.37 U [B]	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	0.37 U	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	0.37 U	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	0.036 U	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	0.37 U	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	0.036 U	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	0.37 U [B]	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	0.37 U	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	0.37 U [B]	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	0.37 U	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	0.37 U	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	0.37 U	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	0.37 U	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	0.37 U	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	0.37 U [B]	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	0.37 U	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	0.37 U	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	0.37 U [B]	-
Acenaphthene	500	1000	98	20	-	0.7 U	-	-	-	0.036 U	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	0.036 U	-
Acetophenone	-	-	-	-	-	-	-	-	-	0.37 U	-
Anthracene	500	1000	1000	100	-	0.2	-	-	-	0.036 U	-
Atrazine	-	-	-	-	-	-	-	-	-	0.37 U	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	0.37 U	-
Benzo(a)anthracene	5.6	11	1	1	-	0.035 U	-	-	-	0.036 U	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-230	B-230	B-231	B-231	B-231	B-231	B-232
DEPTH					15 - 17 ft	23 - 24 ft	0 - 1 ft	1 - 12.8 ft	14 - 15 ft	23 - 24 ft	1 - 9.7 ft
DATE	Restricted	Restricted	Groundwater		10/6/2009	10/6/2009	10/15/2009	10/15/2009	10/15/2009	10/15/2009	10/9/2009
SAMPLE TYPE	Commercial	Industrial	Protection	Unrestricted	N	N	N	N	N	N	N
SAMPLE NAME	Criteria	Criteria	Criteria	Criteria	B230-3 15-17 FT	B230-4 23-24 FT	B231-1 0-1FT	B231-2 1-12.8FT	B231-3 14-15FT	B231-4 23-24FT	B232-2 1-9.7 FT
Benzo(a)pyrene	1	1.1	22	1	-	0.035 U	-	-	-	0.036 U	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	0.035 U	-	-	-	0.036 U	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	0.035 U	-	-	-	0.036 U	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	0.035 U	-	-	-	0.036 U	-
Biphenyl	-	-	-	-	-	-	-	-	-	0.37 U	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	0.37 U	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	0.37 U	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	0.37 U	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	0.37 U	-
Caprolactam	-	-	-	-	-	-	-	-	-	0.37 U	-
Carbazole	-	-	-	-	-	-	-	-	-	0.37 U	-
Chrysene	56	110	1	1	-	0.035 U	-	-	-	0.036 U	-
Dibenzo(a,h)anthracene	-	-			-	0.035 U	-	-	-	0.036 U	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	0.37 U	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	0.37 U	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	0.37 U	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	0.37 U	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	0.37 U	-
Fluoranthene	500	1000	1000	100	-	0.035 U	-	-	-	0.036 U	-
Fluorene	500	1000	386	30	-	0.7 U	-	-	-	0.036 U	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	0.37 U	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	0.37 U	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	0.37 U	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	0.37 U	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	0.035 U	-	-	-	0.036 U	-
Isophorone	-	-	4.4	-	-	-	-	-	-	0.37 U	-
Naphthalene	500	1000	12	12	-	-	-	-	-	0.036 U	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	0.37 U [B]	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	0.37 U	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	0.37 U	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	0.37 U	-
Phenanthrene	500	1000	1000	100	-	0.083	-	-	-	0.93	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	0.37 U [B]	-
Pyrene	500	1000	1000	100	-	0.049	-	-	-	0.036 U	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	0.53 U	-	-	-	0.11 U	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	0.53 U	-	-	-	0.11 U	-
1,1,2-Trichloroethane	-	-	-	-	-	0.53 U	-	-	-	0.11 U	-
1,1-Dichloroethane	240	480	0.27	0.27	-	0.53 U [B]	-	-	-	0.11 U	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	0.53 U [B]	-	-	-	0.11 U	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	0.53 U	-	-	-	0.11 U	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	2.7 U	-	-	-	0.55 U	-
1,2-Dibromoethane	-	-	-	-	-	0.53 U	-	-	-	0.11 U	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-230	B-230	B-231	B-231	B-231	B-231	B-232
DEPTH					15 - 17 ft	23 - 24 ft	0 - 1 ft	1 - 12.8 ft	14 - 15 ft	23 - 24 ft	1 - 9.7 ft
DATE	Restricted	Restricted	Groundwater		10/6/2009	10/6/2009	10/15/2009	10/15/2009	10/15/2009	10/15/2009	10/9/2009
SAMPLE TYPE	Commercial	Industrial	Protection	Unrestricted	N	N	N	N	N	N	N
SAMPLE NAME	Criteria	Criteria	Criteria	Criteria	B230-3 15-17 FT	B230-4 23-24 FT	B231-1 0-1FT	B231-2 1-12.8FT	B231-3 14-15FT	B231-4 23-24FT	B232-2 1-9.7 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	0.53 U	-	-	-	0.11 U	-
1,2-Dichloroethane	30	60	0.02	0.02	-	0.53 U [B]	-	-	-	0.11 U [B]	-
1,2-Dichloropropane	-	-	-	-	-	0.53 U	-	-	-	0.11 U	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	0.53 U	-	-	-	0.11 U	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	0.53 U	-	-	-	0.11 U	-
2-Butanone	500	1000	0.12	0.12	-	5.3 U [B]	-	-	-	1.1 U [B]	-
2-Hexanone	-	-	-	-	-	5.3 U	-	-	-	1.1 U	-
4-Methyl-2-pentanone	-	-	1	-	-	5.3 U [B]	-	-	-	1.1 U [B]	-
Acetone	500	1000	0.05	0.05	-	27 U [B]	-	-	-	5.5 U [B]	-
Benzene	44	89	0.06	0.06	-	0.53 U [B]	-	-	-	0.11 U [B]	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	0.53 U	-	-	-	0.11 U	-
Bromoform	-	-	-	-	-	0.53 U	-	-	-	0.11 U	-
Bromomethane	-	-	-	-	-	2.7 U	-	-	-	0.55 U	-
Carbon disulfide	-	-	2.7	-	-	0.53 U	-	-	-	0.11 U	-
Carbon tetrachloride	22	44	0.76	0.76	-	0.53 U	-	-	-	0.11 U	-
Chlorobenzene	500	1000	1.1	1.1	-	0.53 U	-	-	-	0.11 U	-
Chloroethane	-	-	1.9	-	-	2.7 U	-	-	-	0.55 U	-
Chloroform	350	700	0.37	0.37	-	2.7 U [B]	-	-	-	0.55 U [B]	-
Chloromethane	-	-	-	-	-	0.53 U	-	-	-	0.11 U	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	0.53 U [B]	-	-	-	0.11 U	-
cis-1,3-Dichloropropene	-	-	-	-	-	0.53 U	-	-	-	0.11 U	-
Cyclohexane	-	-	-	-	-	0.53 U	-	-	-	0.11 U	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	0.53 U	-	-	-	0.11 U	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	2.7 U	-	-	-	0.55 U	-
Ethylbenzene	390	780	1	1	-	0.53 U	-	-	-	0.11 U	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	5.3 U	-	-	-	1.1 U	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	11 U	-	-	-	2.2 U	-
Methyl cyclohexane	-	-	-	-	-	0.53 U	-	-	-	0.11 U	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	0.53 U	-	-	-	0.11 U	-
Methylene chloride	500	1000	0.05	0.05	-	2.7 U [B]	-	-	-	0.55 U [B]	-
Naphthalene	500	1000	12	12	-	2.7 U	-	-	-	0.55 U	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	0.53 U	-	-	-	0.11 U	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	0.53 U	-	-	-	0.11 U	-
Toluene	500	1000	0.7	0.7	-	2.7 U [B]	-	-	-	0.55 U	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	0.53 U [B]	-	-	-	0.11 U	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-230	B-230	B-231	B-231	B-231	B-231	B-232
DEPTH					15 - 17 ft	23 - 24 ft	0 - 1 ft	1 - 12.8 ft	14 - 15 ft	23 - 24 ft	1 - 9.7 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/6/2009	10/6/2009	10/15/2009	10/15/2009	10/15/2009	10/15/2009	10/9/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B230-3 15-17 FT	B230-4 23-24 FT	B231-1 0-1FT	B231-2 1-12.8FT	B231-3 14-15FT	B231-4 23-24FT	B232-2 1-9.7 FT
trans-1,3-Dichloropropene	-	-	-	-	-	0.53 U	-	-	-	0.11 U	-
Trichloroethene	200	400	0.47	0.47	-	0.53 U	-	-	-	0.11 U	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	2.7 U	-	-	-	0.55 U	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	0.53 U	-	-	-	0.11 U	-
Vinyl chloride	13	27	0.02	0.02	-	0.53 U [B]	-	-	-	0.11 U [B]	-
Xylenes (total)	500	1000	1.6	0.26	-	1.6 U	-	-	-	0.33 U	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-232	B-233	B-233	B-233	B-233	B-234	B-234
DEPTH					10 - 12 ft	0 - 1 ft	0 - 1 ft	1 - 9.7 ft	12 - 13 ft	0 - 1 ft	1 - 9.4 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/9/2009	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/9/2009	10/9/2009
SAMPLE TYPE					N	FD	N	N	N	N	N
SAMPLE NAME					B232-3 10-12 FT	DUP-3-100509	B233-1 0-1 FT	B233-2 1-9.7 FT	B233-3 12-13 FT	B234-1 0-1 FT	B234-2 1-9.4 FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	7100	-
Antimony	-	-	-	-	1.2 U	6 U	6.6 U	6 U	1 U	1.1 U	1.2 U
Arsenic	16	16	16	13	5.1	8.8	5.8	6.9	2	16	5
Barium	400	10000	820	350	54	64	97	47	19	150	130
Beryllium	590	2700	47	7.2	-	-	-	-	-	0.8	-
Cadmium	9.3	60	7.5	2.5	1.1	0.84	0.75	0.62	0.26 U	0.46	1.6
Calcium	-	-	-	-	-	-	-	-	-	4500	-
Chromium	400	800	19	1	-	-	-	-	-	7.7	-
Cobalt	-	-	-	-	-	-	-	-	-	8.9	-
Copper	270	10000	1720	50	-	-	-	-	-	190	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	24000	-
Lead	1000	3900	450	63	23	64	150 J	110	3.2	200	120
Magnesium	-	-	-	-	-	-	-	-	-	2200	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	290	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	0.21	-
Nickel	310	10000	130	30	-	-	-	-	-	14	-
Potassium	-	-	-	-	-	-	-	-	-	1100	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	1.1 U	-
Silver	1500	6800	8.3	2	-	-	-	-	-	0.56 U	-
Sodium	-	-	-	-	-	-	-	-	-	170	-
Thallium	-	-	-	-	-	-	-	-	-	1.1 U	-
Vanadium	-	-	-	-	-	-	-	-	-	20	-
Zinc	10000	10000	2480	109	-	-	-	-	-	80	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-232	B-233	B-233	B-233	B-233	B-234	B-234
DEPTH					10 - 12 ft	0 - 1 ft	0 - 1 ft	1 - 9.7 ft	12 - 13 ft	0 - 1 ft	1 - 9.4 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/9/2009	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/9/2009	10/9/2009
SAMPLE TYPE					N	FD	N	N	N	N	N
SAMPLE NAME					B232-3 10-12 FT	DUP-3-100509	B233-1 0-1 FT	B233-2 1-9.7 FT	B233-3 12-13 FT	B234-1 0-1 FT	B234-2 1-9.4 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	0.33 U	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	0.33 U [B]	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	0.33 U	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	0.33 U	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	0.33 U	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	0.33 U [B]	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	0.33 U	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	0.33 U	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	0.033 U	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	0.33 U	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	0.12	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	0.33 U	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	0.33 U	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	0.33 U [B]	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	0.33 U	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	0.33 U	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	0.33 U	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	0.33 U	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	0.33 U	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	0.33 U [B]	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	0.33 U	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	0.33 U	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	0.33 U [B]	-
Acenaphthene	500	1000	98	20	-	-	-	-	-	0.033 U	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	0.033 U	-
Acetophenone	-	-	-	-	-	-	-	-	-	0.33 U	-
Anthracene	500	1000	1000	100	-	-	-	-	-	0.097	-
Atrazine	-	-	-	-	-	-	-	-	-	0.33 U	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	0.33 U	-
Benzo(a)anthracene	5.6	11	1	1	-	-	-	-	-	0.35	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-232	B-233	B-233	B-233	B-233	B-234	B-234
DEPTH					10 - 12 ft	0 - 1 ft	0 - 1 ft	1 - 9.7 ft	12 - 13 ft	0 - 1 ft	1 - 9.4 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/9/2009	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/9/2009	10/9/2009
SAMPLE TYPE					N	FD	N	N	N	N	N
SAMPLE NAME					B232-3 10-12 FT	DUP-3-100509	B233-1 0-1 FT	B233-2 1-9.7 FT	B233-3 12-13 FT	B234-1 0-1 FT	B234-2 1-9.4 FT
Benzo(a)pyrene	1	1.1	22	1	-	-	-	-	-	0.22	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	-	-	-	0.47	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	-	-	-	0.1	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	-	-	-	0.16	-
Biphenyl	-	-	-	-	-	-	-	-	-	0.33 U	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	0.33 U	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	0.33 U	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	0.33 U	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	0.33 U	-
Caprolactam	-	-	-	-	-	-	-	-	-	0.33 U	-
Carbazole	-	-	-	-	-	-	-	-	-	0.33 U	-
Chrysene	56	110	1	1	-	-	-	-	-	0.53	-
Dibenzo(a,h)anthracene	-	-			-	-	-	-	-	0.033 U	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	0.33 U	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	0.33 U	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	0.33 U	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	0.33 U	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	0.33 U	-
Fluoranthene	500	1000	1000	100	-	-	-	-	-	0.69	-
Fluorene	500	1000	386	30	-	-	-	-	-	0.033 U	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	0.33 U	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	0.33 U	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	0.33 U	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	0.33 U	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	-	-	-	0.085	-
Isophorone	-	-	4.4	-	-	-	-	-	-	0.33 U	-
Naphthalene	500	1000	12	12	-	-	-	-	-	0.096	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	0.33 U [B]	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	0.33 U	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	0.33 U	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	0.33 U	-
Phenanthrene	500	1000	1000	100	-	-	-	-	-	0.57	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	0.33 U	-
Pyrene	500	1000	1000	100	-	-	-	-	-	0.7	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	-	-	-	0.0056 U	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	-	-	-	0.0056 U	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	0.0056 U	-
1,1-Dichloroethane	240	480	0.27	0.27	-	-	-	-	-	0.0056 U	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	-	-	-	0.0056 U	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	-	-	-	0.0056 U	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	0.028 U	-
1,2-Dibromoethane	-	-	-	-	-	-	-	-	-	0.0056 U	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-232	B-233	B-233	B-233	B-233	B-234	B-234
DEPTH					10 - 12 ft	0 - 1 ft	0 - 1 ft	1 - 9.7 ft	12 - 13 ft	0 - 1 ft	1 - 9.4 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/9/2009	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/9/2009	10/9/2009
SAMPLE TYPE					N	FD	N	N	N	N	N
SAMPLE NAME					B232-3 10-12 FT	DUP-3-100509	B233-1 0-1 FT	B233-2 1-9.7 FT	B233-3 12-13 FT	B234-1 0-1 FT	B234-2 1-9.4 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	0.0056 U	-
1,2-Dichloroethane	30	60	0.02	0.02	-	-	-	-	-	0.0056 U	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	0.0056 U	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	-	-	-	0.0056 U	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	-	-	-	0.0056 U	-
2-Butanone	500	1000	0.12	0.12	-	-	-	-	-	0.056 U	-
2-Hexanone	-	-	-	-	-	-	-	-	-	0.056 U	-
4-Methyl-2-pentanone	-	-	1	-	-	-	-	-	-	0.056 U	-
Acetone	500	1000	0.05	0.05	-	-	-	-	-	0.28 U [B]	-
Benzene	44	89	0.06	0.06	-	-	-	-	-	0.0056 U	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	0.0056 U	-
Bromoform	-	-	-	-	-	-	-	-	-	0.0056 U	-
Bromomethane	-	-	-	-	-	-	-	-	-	0.028 U	-
Carbon disulfide	-	-	2.7	-	-	-	-	-	-	0.0056 U	-
Carbon tetrachloride	22	44	0.76	0.76	-	-	-	-	-	0.0056 U	-
Chlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	0.0056 U	-
Chloroethane	-	-	1.9	-	-	-	-	-	-	0.028 U	-
Chloroform	350	700	0.37	0.37	-	-	-	-	-	0.028 U	-
Chloromethane	-	-	-	-	-	-	-	-	-	0.0056 U	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	-	-	-	0.0056 U	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	0.0056 U	-
Cyclohexane	-	-	-	-	-	-	-	-	-	0.0056 U	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	0.0056 U	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	0.028 U	-
Ethylbenzene	390	780	1	1	-	-	-	-	-	0.0056 U	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	-	-	-	-	0.056 U	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	0.11 U	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	0.0056 U	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	-	-	-	-	0.0056 U	-
Methylene chloride	500	1000	0.05	0.05	-	-	-	-	-	0.028 U	-
Naphthalene	500	1000	12	12	-	-	-	-	-	0.028 U	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	0.0056 U	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	-	-	-	0.0056 U	-
Toluene	500	1000	0.7	0.7	-	-	-	-	-	0.028 U	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	-	-	-	0.0056 U	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-232	B-233	B-233	B-233	B-233	B-234	B-234
DEPTH					10 - 12 ft	0 - 1 ft	0 - 1 ft	1 - 9.7 ft	12 - 13 ft	0 - 1 ft	1 - 9.4 ft
DATE					10/9/2009	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/9/2009	10/9/2009
SAMPLE TYPE					N	FD	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B232-3 10-12 FT	DUP-3-100509	B233-1 0-1 FT	B233-2 1-9.7 FT	B233-3 12-13 FT	B234-1 0-1 FT	B234-2 1-9.4 FT
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	0.0056 U	-
Trichloroethene	200	400	0.47	0.47	-	-	-	-	-	0.0056 U	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	0.028 U	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	0.0056 U	-
Vinyl chloride	13	27	0.02	0.02	-	-	-	-	-	0.0056 U	-
Xylenes (total)	500	1000	1.6	0.26	-	-	-	-	-	0.017 U	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-234	B-234	B-235	B-235	B-235	B-236	B-236
DEPTH					12 - 13 ft	12 - 13 ft	0 - 1 ft	1 - 7.9 ft	11 - 12 ft	0 - 1 ft	1 - 7.5 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/9/2009	10/9/2009	10/6/2009	10/6/2009	10/6/2009	10/5/2009	10/5/2009
SAMPLE TYPE					FD	N	N	N	N	N	N
SAMPLE NAME					DUP-6-100909	B234-3 12-13 FT	B235-1 0-1 FT	B235-2 1-7.9 FT	B235-3 11-12 FT	B236-1 0-1 FT	B236-2 1-7.5 FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	1.1 U	1.2 U	1.1 U	5.9 U	1.1 U	5.2 U	5.6 U
Arsenic	16	16	16	13	2.9	3.8	**18 † [B]**	5.8	2.2	5.2 U	4.8
Barium	400	10000	820	350	61	68	120	57	42	46	57
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	1.8	1.8	0.27 U	0.72	0.27 U	1.2	1.3
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	19	20	**2700 [B]**	160	3.8	83	**1100 [B]**
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-234	B-234	B-235	B-235	B-235	B-236	B-236
DEPTH					12 - 13 ft	12 - 13 ft	0 - 1 ft	1 - 7.9 ft	11 - 12 ft	0 - 1 ft	1 - 7.5 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/9/2009	10/9/2009	10/6/2009	10/6/2009	10/6/2009	10/5/2009	10/5/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	FD	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	DUP-6-100909	B234-3 12-13 FT	B235-1 0-1 FT	B235-2 1-7.9 FT	B235-3 11-12 FT	B236-1 0-1 FT	B236-2 1-7.5 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	-	-	-	-	-	-	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-
Anthracene	500	1000	1000	100	-	-	-	-	-	-	-
Atrazine	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-234	B-234	B-235	B-235	B-235	B-236	B-236
DEPTH					12 - 13 ft	12 - 13 ft	0 - 1 ft	1 - 7.9 ft	11 - 12 ft	0 - 1 ft	1 - 7.5 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/9/2009	10/9/2009	10/6/2009	10/6/2009	10/6/2009	10/5/2009	10/5/2009
SAMPLE TYPE					FD	N	N	N	N	N	N
SAMPLE NAME					DUP-6-100909	B234-3 12-13 FT	B235-1 0-1 FT	B235-2 1-7.9 FT	B235-3 11-12 FT	B236-1 0-1 FT	B236-2 1-7.5 FT
Benzo(a)pyrene	1	1.1	22	1	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	56	110	1	1	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-			-	-	-	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	-	-	-	-	-	-	-
Fluorene	500	1000	386	30	-	-	-	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	-	-	-	-	-
Isophorone	-	-	4.4	-	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	-	-	-	-	-	-	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
Pyrene	500	1000	1000	100	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	-	-	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	-	-	-	-	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-234	B-234	B-235	B-235	B-235	B-236	B-236
DEPTH					12 - 13 ft	12 - 13 ft	0 - 1 ft	1 - 7.9 ft	11 - 12 ft	0 - 1 ft	1 - 7.5 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/9/2009	10/9/2009	10/6/2009	10/6/2009	10/6/2009	10/5/2009	10/5/2009
SAMPLE TYPE					FD	N	N	N	N	N	N
SAMPLE NAME					DUP-6-100909	B234-3 12-13 FT	B235-1 0-1 FT	B235-2 1-7.9 FT	B235-3 11-12 FT	B236-1 0-1 FT	B236-2 1-7.5 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	-	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	-	-	-	-	-
2-Butanone	500	1000	0.12	0.12	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	-	-	-	-	-	-	-
Acetone	500	1000	0.05	0.05	-	-	-	-	-	-	-
Benzene	44	89	0.06	0.06	-	-	-	-	-	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	2.7	-	-	-	-	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	-	-	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
Chloroethane	-	-	1.9	-	-	-	-	-	-	-	-
Chloroform	350	700	0.37	0.37	-	-	-	-	-	-	-
Chloromethane	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	390	780	1	1	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	-	-	-	-	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	-	-	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	-	-	-	-	-
Toluene	500	1000	0.7	0.7	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-234	B-234	B-235	B-235	B-235	B-236	B-236
DEPTH					12 - 13 ft	12 - 13 ft	0 - 1 ft	1 - 7.9 ft	11 - 12 ft	0 - 1 ft	1 - 7.5 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/9/2009	10/9/2009	10/6/2009	10/6/2009	10/6/2009	10/5/2009	10/5/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	FD	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	DUP-6-100909	B234-3 12-13 FT	B235-1 0-1 FT	B235-2 1-7.9 FT	B235-3 11-12 FT	B236-1 0-1 FT	B236-2 1-7.5 FT
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	200	400	0.47	0.47	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	-	-	-	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-236	B-237	B-237	B-238	B-238	B-238	B-238
DEPTH					10 - 12 ft	1 - 6.2 ft	8.5 - 9.5 ft	0 - 1 ft	1 - 5.3 ft	1 - 5.3 ft	8 - 9 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/5/2009	10/5/2009	10/5/2009	10/16/2009	10/15/2009	10/16/2009	10/16/2009
SAMPLE TYPE					N	N	N	N	FD	N	N
SAMPLE NAME					B236-3 10-12 FT	B237-2 1-6.2 FT	B237-3 8.5-9.5 FT	B238-1 0-1FT	DUP-8-101509	B238-2 1-5.3FT	B238-3 8-9FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	6 U	6.6 U	5.6 U	3.3	1.1 U	2	10
Arsenic	16	16	16	13	5.6	5.3	6.4	10 J	2.2	11 J	9.7 J
Barium	400	10000	820	350	53	110	52	61 J	20	50 J	120 J
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	0.66	0.7	0.61	0.3	0.28 U	0.61	0.38
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	3.6	11	4.7	300 J	3.3	120 J	17 J
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-236	B-237	B-237	B-238	B-238	B-238	B-238
DEPTH					10 - 12 ft	1 - 6.2 ft	8.5 - 9.5 ft	0 - 1 ft	1 - 5.3 ft	1 - 5.3 ft	8 - 9 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/5/2009	10/5/2009	10/5/2009	10/16/2009	10/15/2009	10/16/2009	10/16/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	FD	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B236-3 10-12 FT	B237-2 1-6.2 FT	B237-3 8.5-9.5 FT	B238-1 0-1FT	DUP-8-101509	B238-2 1-5.3FT	B238-3 8-9FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	-	-	-	-	-	-	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-
Anthracene	500	1000	1000	100	-	-	-	-	-	-	-
Atrazine	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-236	B-237	B-237	B-238	B-238	B-238	B-238
DEPTH					10 - 12 ft	1 - 6.2 ft	8.5 - 9.5 ft	0 - 1 ft	1 - 5.3 ft	1 - 5.3 ft	8 - 9 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/5/2009	10/5/2009	10/5/2009	10/16/2009	10/15/2009	10/16/2009	10/16/2009
SAMPLE TYPE					N	N	N	N	FD	N	N
SAMPLE NAME					B236-3 10-12 FT	B237-2 1-6.2 FT	B237-3 8.5-9.5 FT	B238-1 0-1FT	DUP-8-101509	B238-2 1-5.3FT	B238-3 8-9FT
Benzo(a)pyrene	1	1.1	22	1	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	56	110	1	1	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-			-	-	-	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	-	-	-	-	-	-	-
Fluorene	500	1000	386	30	-	-	-	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	-	-	-	-	-
Isophorone	-	-	4.4	-	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	-	-	-	-	-	-	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
Pyrene	500	1000	1000	100	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	-	-	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	-	-	-	-	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-236	B-237	B-237	B-238	B-238	B-238	B-238
DEPTH					10 - 12 ft	1 - 6.2 ft	8.5 - 9.5 ft	0 - 1 ft	1 - 5.3 ft	1 - 5.3 ft	8 - 9 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/5/2009	10/5/2009	10/5/2009	10/16/2009	10/15/2009	10/16/2009	10/16/2009
SAMPLE TYPE					N	N	N	N	FD	N	N
SAMPLE NAME					B236-3 10-12 FT	B237-2 1-6.2 FT	B237-3 8.5-9.5 FT	B238-1 0-1FT	DUP-8-101509	B238-2 1-5.3FT	B238-3 8-9FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	-	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	-	-	-	-	-
2-Butanone	500	1000	0.12	0.12	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	-	-	-	-	-	-	-
Acetone	500	1000	0.05	0.05	-	-	-	-	-	-	-
Benzene	44	89	0.06	0.06	-	-	-	-	-	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	2.7	-	-	-	-	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	-	-	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
Chloroethane	-	-	1.9	-	-	-	-	-	-	-	-
Chloroform	350	700	0.37	0.37	-	-	-	-	-	-	-
Chloromethane	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	390	780	1	1	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	-	-	-	-	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	-	-	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	-	-	-	-	-
Toluene	500	1000	0.7	0.7	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-236	B-237	B-237	B-238	B-238	B-238	B-238
DEPTH					10 - 12 ft	1 - 6.2 ft	8.5 - 9.5 ft	0 - 1 ft	1 - 5.3 ft	1 - 5.3 ft	8 - 9 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/5/2009	10/5/2009	10/5/2009	10/16/2009	10/15/2009	10/16/2009	10/16/2009
SAMPLE TYPE					N	N	N	N	FD	N	N
SAMPLE NAME					B236-3 10-12 FT	B237-2 1-6.2 FT	B237-3 8.5-9.5 FT	B238-1 0-1FT	DUP-8-101509	B238-2 1-5.3FT	B238-3 8-9FT
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	200	400	0.47	0.47	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	-	-	-	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-239	B-239	B-240	B-240	B-240	B-240	B-241
DEPTH					1 - 4.5 ft	6.5 - 7.5 ft	0 - 1 ft	1 - 5 ft	8 - 10 ft	8 - 10 ft	0 - 1 ft
DATE	Restricted	Restricted	Groundwater	Unrestricted	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/6/2009
SAMPLE TYPE	Commercial	Industrial	Protection	Criteria	N	N	N	N	FD	N	N
SAMPLE NAME	Criteria	Criteria	Criteria		B239-2 1-4.5 FT	B239-3 6.5-7.5 FT	B240-1 0-1 FT	B240-2 1-5 FT	DUP-4-100509	B240-3 8-10 FT	B241-1 0-1 FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	5600
Antimony	-	-	-	-	5.8 U	5.6 U	6 U	6.1	1.1 U	1.1 U	16
Arsenic	16	16	16	13	3.4	5.5	4	4.2	2.8	2.6 J	**23 † [B]**
Barium	400	10000	820	350	80	35	73	140 J	27	30 J	110
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	0.54
Cadmium	9.3	60	7.5	2.5	0.43	0.54	0.51	0.58	0.27 U	2.7 U	1.7
Calcium	-	-	-	-	-	-	-	-	-	-	2400
Chromium	400	800	19	1	-	-	-	-	-	-	0.57 U
Cobalt	-	-	-	-	-	-	-	-	-	-	10
Copper	270	10000	1720	50	-	-	-	-	-	-	**20000 † [B]**
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	26000
Lead	1000	3900	450	63	34	3.2	2.7	3.1	3.7	10 J	**3100 [B]**
Magnesium	-	-	-	-	-	-	-	-	-	-	1500
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	250
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	0.052
Nickel	310	10000	130	30	-	-	-	-	-	-	15
Potassium	-	-	-	-	-	-	-	-	-	-	620
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	5.7 U [B]
Silver	1500	6800	8.3	2	-	-	-	-	-	-	14 [B]
Sodium	-	-	-	-	-	-	-	-	-	-	54
Thallium	-	-	-	-	-	-	-	-	-	-	1.1 U
Vanadium	-	-	-	-	-	-	-	-	-	-	24
Zinc	10000	10000	2480	109	-	-	-	-	-	-	5500 [B]
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-239	B-239	B-240	B-240	B-240	B-240	B-241
DEPTH					1 - 4.5 ft	6.5 - 7.5 ft	0 - 1 ft	1 - 5 ft	8 - 10 ft	8 - 10 ft	0 - 1 ft
DATE	Restricted	Restricted	Groundwater		10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/6/2009
SAMPLE TYPE	Commercial	Industrial	Protection	Unrestricted	N	N	N	N	FD	N	N
SAMPLE NAME	Criteria	Criteria	Criteria	Criteria	B239-2 1-4.5 FT	B239-3 6.5-7.5 FT	B240-1 0-1 FT	B240-2 1-5 FT	DUP-4-100509	B240-3 8-10 FT	B241-1 0-1 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	0.38 U
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	0.38 U [B]
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	0.38 U
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	0.38 U
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	0.38 U
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	0.38 U [B]
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	0.38 U
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	0.38 U
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	0.038 U
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	0.38 U
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	-	0.038 U
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	0.38 U [B]
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	0.38 U
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	0.38 U [B]
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	0.38 U
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	0.38 U
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	0.38 U
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	0.38 U
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	0.38 U
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	0.38 U [B]
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	0.38 U
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	0.38 U
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	0.38 U [B]
Acenaphthene	500	1000	98	20	-	-	-	-	-	-	0.038 U
Acenaphthylene	500	1000	107	100	-	-	-	-	-	-	0.038 U
Acetophenone	-	-	-	-	-	-	-	-	-	-	0.38 U
Anthracene	500	1000	1000	100	-	-	-	-	-	-	0.038 U
Atrazine	-	-	-	-	-	-	-	-	-	-	0.38 U
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	0.38 U
Benzo(a)anthracene	5.6	11	1	1	-	-	-	-	-	-	0.038 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-239	B-239	B-240	B-240	B-240	B-240	B-241
DEPTH					1 - 4.5 ft	6.5 - 7.5 ft	0 - 1 ft	1 - 5 ft	8 - 10 ft	8 - 10 ft	0 - 1 ft
DATE	Restricted	Restricted	Groundwater		10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/6/2009
SAMPLE TYPE	Commercial	Industrial	Protection	Unrestricted	N	N	N	N	FD	N	N
SAMPLE NAME	Criteria	Criteria	Criteria	Criteria	B239-2 1-4.5 FT	B239-3 6.5-7.5 FT	B240-1 0-1 FT	B240-2 1-5 FT	DUP-4-100509	B240-3 8-10 FT	B241-1 0-1 FT
Benzo(a)pyrene	1	1.1	22	1	-	-	-	-	-	-	0.038 U
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	-	-	-	-	0.042 J
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	-	-	-	-	0.038 U
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	-	-	-	-	0.038 U
Biphenyl	-	-	-	-	-	-	-	-	-	-	0.38 U
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	0.38 U
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	0.38 U
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	0.38 U
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	0.38 U
Caprolactam	-	-	-	-	-	-	-	-	-	-	0.38 U
Carbazole	-	-	-	-	-	-	-	-	-	-	0.38 U
Chrysene	56	110	1	1	-	-	-	-	-	-	0.038 U
Dibenzo(a,h)anthracene	-	-			-	-	-	-	-	-	0.038 U
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	0.38 U
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	0.38 U
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	0.38 U
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	0.38 U
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	0.38 U
Fluoranthene	500	1000	1000	100	-	-	-	-	-	-	0.058
Fluorene	500	1000	386	30	-	-	-	-	-	-	0.038 U
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	0.38 U
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	0.38 U
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	0.38 U
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	0.38 U
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	-	-	-	-	0.038 U
Isophorone	-	-	4.4	-	-	-	-	-	-	-	0.38 U
Naphthalene	500	1000	12	12	-	-	-	-	-	-	0.038 U
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	0.38 U [B]
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	0.38 U
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	0.38 U
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	0.38 U
Phenanthrene	500	1000	1000	100	-	-	-	-	-	-	0.038 U
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	0.38 U [B]
Pyrene	500	1000	1000	100	-	-	-	-	-	-	0.064
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	-	-	-	-	0.0057 U
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	-	-	-	-	0.0057 U
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	0.0057 U
1,1-Dichloroethane	240	480	0.27	0.27	-	-	-	-	-	-	0.0057 U
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	-	-	-	-	0.0057 U
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	-	-	-	-	0.0057 U
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	0.029 U
1,2-Dibromoethane	-	-	-	-	-	-	-	-	-	-	0.0057 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-239	B-239	B-240	B-240	B-240	B-240	B-241
DEPTH					1 - 4.5 ft	6.5 - 7.5 ft	0 - 1 ft	1 - 5 ft	8 - 10 ft	8 - 10 ft	0 - 1 ft
DATE					10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/6/2009
SAMPLE TYPE					N	N	N	N	FD	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B239-2 1-4.5 FT	B239-3 6.5-7.5 FT	B240-1 0-1 FT	B240-2 1-5 FT	DUP-4-100509	B240-3 8-10 FT	B241-1 0-1 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	0.0057 U
1,2-Dichloroethane	30	60	0.02	0.02	-	-	-	-	-	-	0.0057 U
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	0.0057 U
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	-	-	-	-	0.0057 U
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	-	-	-	-	0.0057 U
2-Butanone	500	1000	0.12	0.12	-	-	-	-	-	-	0.057 U
2-Hexanone	-	-	-	-	-	-	-	-	-	-	0.057 U
4-Methyl-2-pentanone	-	-	1	-	-	-	-	-	-	-	0.057 U
Acetone	500	1000	0.05	0.05	-	-	-	-	-	-	0.29 U [B]
Benzene	44	89	0.06	0.06	-	-	-	-	-	-	0.0057 U
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	0.0057 U
Bromoform	-	-	-	-	-	-	-	-	-	-	0.0057 U
Bromomethane	-	-	-	-	-	-	-	-	-	-	0.029 U
Carbon disulfide	-	-	2.7	-	-	-	-	-	-	-	0.0057 U
Carbon tetrachloride	22	44	0.76	0.76	-	-	-	-	-	-	0.0057 U
Chlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	0.0057 U
Chloroethane	-	-	1.9	-	-	-	-	-	-	-	0.029 U
Chloroform	350	700	0.37	0.37	-	-	-	-	-	-	0.029 U
Chloromethane	-	-	-	-	-	-	-	-	-	-	0.0057 U
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	-	-	-	-	0.0057 U
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	0.0057 U
Cyclohexane	-	-	-	-	-	-	-	-	-	-	0.0057 U
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	0.0057 U
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	0.029 U
Ethylbenzene	390	780	1	1	-	-	-	-	-	-	0.0057 U
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	-	-	-	-	-	0.057 U
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-	0.11 U
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	0.0057 U
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	-	-	-	-	-	0.0057 U
Methylene chloride	500	1000	0.05	0.05	-	-	-	-	-	-	0.029 U
Naphthalene	500	1000	12	12	-	-	-	-	-	-	0.029 U
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	0.0057 U
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	-	-	-	-	0.0057 U
Toluene	500	1000	0.7	0.7	-	-	-	-	-	-	0.029 U
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	-	-	-	-	0.0057 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-239	B-239	B-240	B-240	B-240	B-240	B-241
DEPTH					1 - 4.5 ft	6.5 - 7.5 ft	0 - 1 ft	1 - 5 ft	8 - 10 ft	8 - 10 ft	0 - 1 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/5/2009	10/6/2009
SAMPLE TYPE					N	N	N	N	FD	N	N
SAMPLE NAME					B239-2 1-4.5 FT	B239-3 6.5-7.5 FT	B240-1 0-1 FT	B240-2 1-5 FT	DUP-4-100509	B240-3 8-10 FT	B241-1 0-1 FT
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	0.0057 U
Trichloroethene	200	400	0.47	0.47	-	-	-	-	-	-	0.0057 U
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	0.029 U
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	0.0057 U
Vinyl chloride	13	27	0.02	0.02	-	-	-	-	-	-	0.0057 U
Xylenes (total)	500	1000	1.6	0.26	-	-	-	-	-	-	0.017 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-241	B-241	B-242	B-242	B-242	B-243	B-243
DEPTH					1 - 5.3 ft	8 - 9 ft	0 - 1 ft	1 - 4.5 ft	8 - 10 ft	0 - 1 ft	1 - 6 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/6/2009	10/6/2009	10/6/2009	10/6/2009	10/6/2009	10/6/2009	10/6/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B241-2 1-5_3 FT	B241-3 8-9 FT	B242-1 0-1 FT	B242-2 1-4.5 FT	B242-3 8-10 FT	B243-1 0-1 FT	B243-2 1-6 FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	6.4 U	1.1 U	6 U	6.2 U	5.5 U	1.4 U	6.2 U
Arsenic	16	16	16	13	6.1	2.7	**19 † [B]**	11	3.6	**29 † [B]**	6.7
Barium	400	10000	820	350	78	34	71	150	45	140	120
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	1.7	0.27 U	1.6	0.63	0.28 U	4.3	0.63
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	280	5.1	1000 [B]	530 [B]	3	**1100 [B]**	75
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-241	B-241	B-242	B-242	B-242	B-243	B-243
DEPTH					1 - 5.3 ft	8 - 9 ft	0 - 1 ft	1 - 4.5 ft	8 - 10 ft	0 - 1 ft	1 - 6 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/6/2009	10/6/2009	10/6/2009	10/6/2009	10/6/2009	10/6/2009	10/6/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B241-2 1-5_3 FT	B241-3 8-9 FT	B242-1 0-1 FT	B242-2 1-4.5 FT	B242-3 8-10 FT	B243-1 0-1 FT	B243-2 1-6 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	-	-	-	-	-	-	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-
Anthracene	500	1000	1000	100	-	-	-	-	-	-	-
Atrazine	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-241	B-241	B-242	B-242	B-242	B-243	B-243
DEPTH					1 - 5.3 ft	8 - 9 ft	0 - 1 ft	1 - 4.5 ft	8 - 10 ft	0 - 1 ft	1 - 6 ft
DATE					10/6/2009	10/6/2009	10/6/2009	10/6/2009	10/6/2009	10/6/2009	10/6/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	B241-2 1-5_3 FT	B241-3 8-9 FT	B242-1 0-1 FT	B242-2 1-4.5 FT	B242-3 8-10 FT	B243-1 0-1 FT	B243-2 1-6 FT
Benzo(a)pyrene	1	1.1	22	1	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	56	110	1	1	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-			-	-	-	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	-	-	-	-	-	-	-
Fluorene	500	1000	386	30	-	-	-	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	-	-	-	-	-
Isophorone	-	-	4.4	-	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	-	-	-	-	-	-	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
Pyrene	500	1000	1000	100	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	-	-	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	-	-	-	-	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-241	B-241	B-242	B-242	B-242	B-243	B-243
DEPTH					1 - 5.3 ft	8 - 9 ft	0 - 1 ft	1 - 4.5 ft	8 - 10 ft	0 - 1 ft	1 - 6 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/6/2009	10/6/2009	10/6/2009	10/6/2009	10/6/2009	10/6/2009	10/6/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B241-2 1-5_3 FT	B241-3 8-9 FT	B242-1 0-1 FT	B242-2 1-4.5 FT	B242-3 8-10 FT	B243-1 0-1 FT	B243-2 1-6 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	-	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	-	-	-	-	-
2-Butanone	500	1000	0.12	0.12	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	-	-	-	-	-	-	-
Acetone	500	1000	0.05	0.05	-	-	-	-	-	-	-
Benzene	44	89	0.06	0.06	-	-	-	-	-	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	2.7	-	-	-	-	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	-	-	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
Chloroethane	-	-	1.9	-	-	-	-	-	-	-	-
Chloroform	350	700	0.37	0.37	-	-	-	-	-	-	-
Chloromethane	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	390	780	1	1	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	-	-	-	-	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	-	-	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	-	-	-	-	-
Toluene	500	1000	0.7	0.7	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-241	B-241	B-242	B-242	B-242	B-243	B-243
DEPTH					1 - 5.3 ft	8 - 9 ft	0 - 1 ft	1 - 4.5 ft	8 - 10 ft	0 - 1 ft	1 - 6 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/6/2009	10/6/2009	10/6/2009	10/6/2009	10/6/2009	10/6/2009	10/6/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B241-2 1-5_3 FT	B241-3 8-9 FT	B242-1 0-1 FT	B242-2 1-4.5 FT	B242-3 8-10 FT	B243-1 0-1 FT	B243-2 1-6 FT
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	200	400	0.47	0.47	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	-	-	-	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-243	B-244	B-244	B-244	B-245	B-245	B-245
DEPTH					8 - 10 ft	0.5 - 1.5 ft	1.5 - 5 ft	10 - 11 ft	0 - 1 ft	1 - 6.5 ft	9 - 10 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/6/2009	10/5/2009	10/5/2009	10/5/2009	10/16/2009	10/16/2009	10/16/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B243-3 8-10 FT	B244-1 0.5-1.5 FT	B244-2 1.5-5.0 FT	B244-3 10-11 FT	B245-1 0-1FT	B245-2 1-6.5FT	B245-3 9-10FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	1.1 U	6.1	6.2 U	1.1 U	1.1 U	1.2 U	1.1 U
Arsenic	16	16	16	13	2	14	3.8	3.9	3.2	5.2	10
Barium	400	10000	820	350	42	180	140	29	22	85	76
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	0.27 U	2.3	0.68	0.67	0.28 U	0.3 U	0.29
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	4	500 [B]	9	9.7	10	33	220
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-243	B-244	B-244	B-244	B-245	B-245	B-245
DEPTH					8 - 10 ft	0.5 - 1.5 ft	1.5 - 5 ft	10 - 11 ft	0 - 1 ft	1 - 6.5 ft	9 - 10 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/6/2009	10/5/2009	10/5/2009	10/5/2009	10/16/2009	10/16/2009	10/16/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B243-3 8-10 FT	B244-1 0.5-1.5 FT	B244-2 1.5-5.0 FT	B244-3 10-11 FT	B245-1 0-1FT	B245-2 1-6.5FT	B245-3 9-10FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	-	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	-	-	-	-	-	-
Acenaphthene	500	1000	98	20	-	-	-	-	-	-	-
Acenaphthylene	500	1000	107	100	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-	-
Anthracene	500	1000	1000	100	-	-	-	-	-	-	-
Atrazine	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-243	B-244	B-244	B-244	B-245	B-245	B-245
DEPTH					8 - 10 ft	0.5 - 1.5 ft	1.5 - 5 ft	10 - 11 ft	0 - 1 ft	1 - 6.5 ft	9 - 10 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/6/2009	10/5/2009	10/5/2009	10/5/2009	10/16/2009	10/16/2009	10/16/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B243-3 8-10 FT	B244-1 0.5-1.5 FT	B244-2 1.5-5.0 FT	B244-3 10-11 FT	B245-1 0-1FT	B245-2 1-6.5FT	B245-3 9-10FT
Benzo(a)pyrene	1	1.1	22	1	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	-	-	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-	-
Chrysene	56	110	1	1	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-			-	-	-	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	-	-	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	-	-	-	-	-
Fluoranthene	500	1000	1000	100	-	-	-	-	-	-	-
Fluorene	500	1000	386	30	-	-	-	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	-	-	-	-	-	-
Isophorone	-	-	4.4	-	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	-	-	-	-	-
Phenanthrene	500	1000	1000	100	-	-	-	-	-	-	-
Phenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
Pyrene	500	1000	1000	100	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	-	-	0.6	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	240	480	0.27	0.27	-	-	-	-	-	-	-
1,1-Dichloroethene	500	1000	0.33	0.33	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	3.4	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	-	-	-	-	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-243	B-244	B-244	B-244	B-245	B-245	B-245
DEPTH					8 - 10 ft	0.5 - 1.5 ft	1.5 - 5 ft	10 - 11 ft	0 - 1 ft	1 - 6.5 ft	9 - 10 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/6/2009	10/5/2009	10/5/2009	10/5/2009	10/16/2009	10/16/2009	10/16/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B243-3 8-10 FT	B244-1 0.5-1.5 FT	B244-2 1.5-5.0 FT	B244-3 10-11 FT	B245-1 0-1FT	B245-2 1-6.5FT	B245-3 9-10FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
1,2-Dichloroethane	30	60	0.02	0.02	-	-	-	-	-	-	-
1,2-Dichloropropane	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	-	-	-	-	-	-	-
1,4-Dichlorobenzene	130	250	1.8	1.8	-	-	-	-	-	-	-
2-Butanone	500	1000	0.12	0.12	-	-	-	-	-	-	-
2-Hexanone	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	-	-	1	-	-	-	-	-	-	-	-
Acetone	500	1000	0.05	0.05	-	-	-	-	-	-	-
Benzene	44	89	0.06	0.06	-	-	-	-	-	-	-
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	2.7	-	-	-	-	-	-	-	-
Carbon tetrachloride	22	44	0.76	0.76	-	-	-	-	-	-	-
Chlorobenzene	500	1000	1.1	1.1	-	-	-	-	-	-	-
Chloroethane	-	-	1.9	-	-	-	-	-	-	-	-
Chloroform	350	700	0.37	0.37	-	-	-	-	-	-	-
Chloromethane	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	500	1000	0.25	0.25	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	390	780	1	1	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	-	-	-	-	-	-	-
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	-	-	-	-	-	-	-
Methylene chloride	500	1000	0.05	0.05	-	-	-	-	-	-	-
Naphthalene	500	1000	12	12	-	-	-	-	-	-	-
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	-	-	-	-	-	-	-
Toluene	500	1000	0.7	0.7	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	500	1000	0.19	0.19	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-243	B-244	B-244	B-244	B-245	B-245	B-245
DEPTH					8 - 10 ft	0.5 - 1.5 ft	1.5 - 5 ft	10 - 11 ft	0 - 1 ft	1 - 6.5 ft	9 - 10 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/6/2009	10/5/2009	10/5/2009	10/5/2009	10/16/2009	10/16/2009	10/16/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B243-3 8-10 FT	B244-1 0.5-1.5 FT	B244-2 1.5-5.0 FT	B244-3 10-11 FT	B245-1 0-1FT	B245-2 1-6.5FT	B245-3 9-10FT
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	200	400	0.47	0.47	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	13	27	0.02	0.02	-	-	-	-	-	-	-
Xylenes (total)	500	1000	1.6	0.26	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-248-MW	B-249-MW	B-252-MW	B-253	B-254	B-255	B-256
DEPTH					6 - 7 ft	24 - 28 ft	10 - 10.5 ft	23 - 24 ft	22 - 23 ft	24 - 26 ft	23 - 24 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/26/2009	10/13/2009	10/19/2009	10/19/2009	10/19/2009	10/14/2009	10/14/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B-248MW 6-7	3249MW-1 24-28F	3252-MW-1-10190	B253 23-24 FT	B254-1 22-23 FT	B255 24-26FT	B256 23-24FT
Metals (mg/kg)											
Aluminum	-	-	-	-	-	-	-	-	-	-	-
Antimony	-	-	-	-	-	-	-	-	-	-	-
Arsenic	16	16	16	13	-	-	-	-	-	-	-
Barium	400	10000	820	350	-	-	-	-	-	-	-
Beryllium	590	2700	47	7.2	-	-	-	-	-	-	-
Cadmium	9.3	60	7.5	2.5	-	-	-	-	-	-	-
Calcium	-	-	-	-	-	-	-	-	-	-	-
Chromium	400	800	19	1	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	270	10000	1720	50	-	-	-	-	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-	-
Iron	-	-	-	-	-	-	-	-	-	-	-
Lead	1000	3900	450	63	-	-	-	-	-	-	-
Magnesium	-	-	-	-	-	-	-	-	-	-	-
Manganese	10000	10000	2000	1600	-	-	-	-	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	-	-	-	-	-
Nickel	310	10000	130	30	-	-	-	-	-	-	-
Potassium	-	-	-	-	-	-	-	-	-	-	-
Selenium	1500	6800	4	3.9	-	-	-	-	-	-	-
Silver	1500	6800	8.3	2	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	10000	10000	2480	109	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1016	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	-	-	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	-	-	-	-	-
Pesticides (mg/kg)											
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-248-MW	B-249-MW	B-252-MW	B-253	B-254	B-255	B-256
DEPTH					6 - 7 ft	24 - 28 ft	10 - 10.5 ft	23 - 24 ft	22 - 23 ft	24 - 26 ft	23 - 24 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/26/2009	10/13/2009	10/19/2009	10/19/2009	10/19/2009	10/14/2009	10/14/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B-248MW 6-7	3249MW-1 24-28F	3252-MW-1-10190	B253 23-24 FT	B254-1 22-23 FT	B255 24-26FT	B256 23-24FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)											
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	-	1.9 U [B]	1.8 U [B]	0.36 U [B]	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	1.9 U	1.8 U	0.36 U	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	-	1.9 U [B]	0.36 U	0.36 U	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	-	1.9 U [B]	1.8 U [B]	0.36 U [B]	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	1.9 U	1.8 U	0.36 U	-	-
2,6-Dinitrotoluene	-	-	1	-	-	-	1.9 U [B]	1.8 U [B]	0.36 U	-	-
2-Chloronaphthalene	-	-	-	-	-	-	0.19 U	0.18 U	0.035 U	-	-
2-Chlorophenol	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
2-Methyl naphthalene	-	-	36.4	-	-	-	6.5	1.6	0.035 U	-	-
2-Methylphenol	500	1000	0.33	0.33	-	-	1.9 U [B]	0.36 U [B]	0.36 U [B]	-	-
2-Nitroaniline	-	-	0.4	-	-	-	1.9 U [B]	1.8 U [B]	0.36 U	-	-
2-Nitrophenol	-	-	0.3	-	-	-	1.9 U [B]	0.36 U [B]	0.36 U [B]	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
3-Nitroaniline	-	-	0.5	-	-	-	1.9 U [B]	1.8 U [B]	0.36 U [B]	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
4-Chloroaniline	-	-	0.22	-	-	-	1.9 U [B]	0.36 U [B]	0.36 U [B]	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	1.9 U	1.8 U	0.36 U	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	1.9 U	1.8 U	0.36 U	-	-
4-Nitrophenol	-	-	0.1	-	-	-	1.9 U [B]	1.8 U [B]	0.36 U [B]	-	-
Acenaphthene	500	1000	98	20	-	0.7 U	0.58	0.48	0.86	0.036 U	0.035 U
Acenaphthylene	500	1000	107	100	-	-	0.19 U	0.18 U	0.035 U	-	-
Acetophenone	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
Anthracene	500	1000	1000	100	-	0.7 U	0.76	0.31	0.63	0.036 U	0.035 U
Atrazine	-	-	-	-	-	-	1.9 U	1.8 U	0.36 U	-	-
Benzaldehyde	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
Benzo(a)anthracene	5.6	11	1	1	-	0.035 U	0.43	0.036 U	0.035 U	0.036 U	0.035 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-248-MW	B-249-MW	B-252-MW	B-253	B-254	B-255	B-256
DEPTH					6 - 7 ft	24 - 28 ft	10 - 10.5 ft	23 - 24 ft	22 - 23 ft	24 - 26 ft	23 - 24 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/26/2009	10/13/2009	10/19/2009	10/19/2009	10/19/2009	10/14/2009	10/14/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-248MW 6-7	3249MW-1 24-28F	3252-MW-1-10190	B253 23-24 FT	B254-1 22-23 FT	B255 24-26FT	B256 23-24FT
Benzo(a)pyrene	1	1.1	22	1	-	0.035 U	0.34	0.036 U	0.035 U	0.036 U	0.035 U
Benzo(b)fluoranthene	5.6	11	1.7	1	-	0.035 U	0.19 U	0.036 U	0.035 U	0.036 U	0.035 U
Benzo(g,h,i)perylene	500	1000	1000	100	-	0.035 U	0.19 U	0.036 U	0.035 U	0.036 U	0.035 U
Benzo(k)fluoranthene	56	110	1.7	0.8	-	0.035 U	0.19 U	0.036 U	0.035 U	0.036 U	0.035 U
Biphenyl	-	-	-	-	-	-	1.9 U	1.8 U	0.36 U	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
Butyl benzylphthalate	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
Caprolactam	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
Carbazole	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
Chrysene	56	110	1	1	-	0.035 U	0.67	0.036 U	0.035 U	0.036 U	0.035 U
Dibenzo(a,h)anthracene	-	-			-	0.035 U	0.19 U	0.036 U	0.035 U	0.036 U	0.035 U
Dibenzofuran	350	1000	6.2	7	-	-	1.9 U	1.8 U	0.36 U	-	-
Diethyl phthalate	-	-	7.1	-	-	-	1.9 U	1.8 U	0.36 U	-	-
Dimethyl phthalate	-	-	27	-	-	-	1.9 U	1.8 U	0.36 U	-	-
Di-n-butylphthalate	-	-	8.1	-	-	-	1.9 U	0.36 U	0.36 U	-	-
Di-n-octyl phthalate	-	-	120	-	-	-	1.9 U	0.36 U	0.36 U	-	-
Fluoranthene	500	1000	1000	100	-	0.7 U	0.66	0.036 U	0.35 U	0.036 U	0.035 U
Fluorene	500	1000	386	30	-	0.7 U	0.94	1.2	0.87	0.036 U	0.035 U
Hexachlorobenzene	6	12	1.4	0.33	-	-	1.9 U [B]	0.36 U	0.36 U	-	-
Hexachlorobutadiene	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	1.9 U	1.8 U	0.36 U	-	-
Hexachloroethane	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	-	0.035 U	0.19 U	0.036 U	0.035 U	0.036 U	0.035 U
Isophorone	-	-	4.4	-	-	-	1.9 U	0.36 U	0.36 U	-	-
Naphthalene	500	1000	12	12	-	-	0.67	0.036 U	0.035 U	-	-
Nitrobenzene	69	140	0.17	-	-	-	1.9 U [B]	0.36 U [B]	0.36 U [B]	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	1.9 U	0.36 U	0.36 U	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	-	1.9 U [B]	0.36 U	0.36 U	-	-
Phenanthrene	500	1000	1000	100	-	0.7 U	5.3	1.6	1.4	0.036 U	0.035 U
Phenol	500	1000	0.33	0.33	-	-	1.9 U [B]	0.36 U [B]	0.36 U [B]	-	-
Pyrene	500	1000	1000	100	-	0.048	4.9	0.11	0.046	0.036 U	0.035 U
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	500	1000	0.68	0.68	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
1,1,2,2-Tetrachloroethane	-	-	0.6	-	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
1,1,2-Trichloroethane	-	-	-	-	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
1,1-Dichloroethane	240	480	0.27	0.27	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
1,1-Dichloroethene	500	1000	0.33	0.33	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
1,2,4-Trichlorobenzene	-	-	3.4	-	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	0.031 U	0.53 U	0.29 U	-	-	0.027 U	0.027 U
1,2-Dibromoethane	-	-	-	-	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-248-MW	B-249-MW	B-252-MW	B-253	B-254	B-255	B-256
DEPTH					6 - 7 ft	24 - 28 ft	10 - 10.5 ft	23 - 24 ft	22 - 23 ft	24 - 26 ft	23 - 24 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/26/2009	10/13/2009	10/19/2009	10/19/2009	10/19/2009	10/14/2009	10/14/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	N	N	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B-248MW 6-7	3249MW-1 24-28F	3252-MW-1-10190	B253 23-24 FT	B254-1 22-23 FT	B255 24-26FT	B256 23-24FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	0.0062 U	0.11 U	0.13	-	-	0.0054 U	0.0054 U
1,2-Dichloroethane	30	60	0.02	0.02	0.0062 U	0.11 U [B]	0.058 U [B]	-	-	0.0054 U	0.0054 U
1,2-Dichloropropane	-	-	-	-	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
1,4-Dichlorobenzene	130	250	1.8	1.8	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
2-Butanone	500	1000	0.12	0.12	0.062 U	1.1 U [B]	2.2 [B]	-	-	0.054 U	0.054 U
2-Hexanone	-	-	-	-	0.062 U	1.1 U	0.58 U	-	-	0.054 U	0.054 U
4-Methyl-2-pentanone	-	-	1	-	0.062 U	1.1 U [B]	0.58 U	-	-	0.054 U	0.054 U
Acetone	500	1000	0.05	0.05	0.31 U [B]	5.3 U [B]	2.9 U [B]	-	-	0.27 U [B]	0.27 U [B]
Benzene	44	89	0.06	0.06	0.0062 U	0.11 U [B]	0.058 U	-	-	0.0054 U	0.0054 U
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
Bromoform	-	-	-	-	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
Bromomethane	-	-	-	-	0.031 U	0.53 U	0.29 U	-	-	0.027 U	0.027 U
Carbon disulfide	-	-	2.7	-	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
Carbon tetrachloride	22	44	0.76	0.76	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
Chlorobenzene	500	1000	1.1	1.1	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
Chloroethane	-	-	1.9	-	0.031 U	0.53 U	0.29 U	-	-	0.027 U	0.027 U
Chloroform	350	700	0.37	0.37	0.031 U	0.53 U [B]	0.29 U	-	-	0.027 U	0.027 U
Chloromethane	-	-	-	-	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
cis-1,2-Dichloroethene	500	1000	0.25	0.25	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
cis-1,3-Dichloropropene	-	-	-	-	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
Cyclohexane	-	-	-	-	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
Cymene	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
Dichlorodifluoromethane (CFC-12)	-	-	-	-	0.031 U	0.53 U	0.29 U	-	-	0.027 U	0.027 U
Ethylbenzene	390	780	1	1	0.0062 U	0.11 U	0.099	-	-	0.0054 U	0.0054 U
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	0.062 U	1.1 U	0.58 U	-	-	0.054 U	0.054 U
m/p-Xylene	-	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	0.12 U	2.1 U	1.2 U	-	-	0.11 U	0.11 U
Methyl cyclohexane	-	-	-	-	0.0062 U	0.16	0.19	-	-	0.0054 U	0.0054 U
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
Methylene chloride	500	1000	0.05	0.05	0.031 U	0.53 U [B]	0.29 U [B]	-	-	0.027 U	0.027 U
Naphthalene	500	1000	12	12	0.031 U	0.53 U	4.8	-	-	0.027 U	0.027 U
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-	-
Styrene	-	-	-	-	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
Toluene	500	1000	0.7	0.7	0.031 U	0.53 U	0.29 U	-	-	0.027 U	0.027 U
trans-1,2-Dichloroethene	500	1000	0.19	0.19	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-248-MW	B-249-MW	B-252-MW	B-253	B-254	B-255	B-256
DEPTH					6 - 7 ft	24 - 28 ft	10 - 10.5 ft	23 - 24 ft	22 - 23 ft	24 - 26 ft	23 - 24 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/26/2009	10/13/2009	10/19/2009	10/19/2009	10/19/2009	10/14/2009	10/14/2009
SAMPLE TYPE					N	N	N	N	N	N	N
SAMPLE NAME					B-248MW 6-7	3249MW-1 24-28F	3252-MW-1-10190	B253 23-24 FT	B254-1 22-23 FT	B255 24-26FT	B256 23-24FT
trans-1,3-Dichloropropene	-	-	-	-	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
Trichloroethene	200	400	0.47	0.47	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
Trichlorofluoromethane (CFC-11)	-	-	-	-	0.031 U	0.53 U	0.29 U	-	-	0.027 U	0.027 U
Trifluorotrichloroethane (Freon 113)	-	-	-	-	0.0062 U	0.11 U	0.058 U	-	-	0.0054 U	0.0054 U
Vinyl chloride	13	27	0.02	0.02	0.0062 U	0.11 U [B]	0.058 U [B]	-	-	0.0054 U	0.0054 U
Xylenes (total)	500	1000	1.6	0.26	0.019 U	0.32 U	0.66	-	-	0.016 U	0.016 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-257	B-258	B-259	B-260	B-261	B-261
DEPTH					23 - 24 ft	6 - 7 ft	0 - 2 ft	23 - 24 ft	23 - 24 ft	23 - 24 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/14/2009	10/19/2009	10/21/2009	10/21/2009	10/19/2009	10/22/2009
SAMPLE TYPE					N	N	N	N	FD	N
SAMPLE NAME					B257 23-24FT	B258-1 6-7 FT	B259-1 0-2 FT	B260-1 23-24 FT	DUP 9-101909	B261-1 23-24 FT
Metals (mg/kg)										
Aluminum	-	-	-	-	-	-	6000	-	-	-
Antimony	-	-	-	-	-	-	6 U	-	-	-
Arsenic	16	16	16	13	-	-	**29** † **[B]**	-	-	-
Barium	400	10000	820	350	-	-	200	-	-	-
Beryllium	590	2700	47	7.2	-	-	0.75	-	-	-
Cadmium	9.3	60	7.5	2.5	-	-	2.9	-	-	-
Calcium	-	-	-	-	-	-	6400	-	-	-
Chromium	400	800	19	1	-	-	12	-	-	-
Cobalt	-	-	-	-	-	-	11	-	-	-
Copper	270	10000	1720	50	-	-	130	-	-	-
Cyanide (total)	27	10000	40	27	-	-	-	-	-	-
Iron	-	-	-	-	-	-	80000 J	-	-	-
Lead	1000	3900	450	63	-	-	550 J [B]	-	-	-
Magnesium	-	-	-	-	-	-	1600	-	-	-
Manganese	10000	10000	2000	1600	-	-	660	-	-	-
Mercury	2.8	5.7	0.73	0.15	-	-	0.074	-	-	-
Nickel	310	10000	130	30	-	-	24 J	-	-	-
Potassium	-	-	-	-	-	-	1200	-	-	-
Selenium	1500	6800	4	3.9	-	-	6 U [B]	-	-	-
Silver	1500	6800	8.3	2	-	-	3 U	-	-	-
Sodium	-	-	-	-	-	-	310	-	-	-
Thallium	-	-	-	-	-	-	6 U	-	-	-
Vanadium	-	-	-	-	-	-	20	-	-	-
Zinc	10000	10000	2480	109	-	-	460	-	-	-
PCBs (mg/kg)										
Aroclor-1016	1	25	3.2	0.1	-	-	0.02 U	-	-	-
Aroclor-1221	1	25	3.2	0.1	-	-	0.02 U	-	-	-
Aroclor-1232	1	25	3.2	0.1	-	-	0.02 U	-	-	-
Aroclor-1242	1	25	3.2	0.1	-	-	0.02 U	-	-	-
Aroclor-1248	1	25	3.2	0.1	-	-	0.02 U	-	-	-
Aroclor-1254	1	25	3.2	0.1	-	-	0.02 U	-	-	-
Aroclor-1260	1	25	3.2	0.1	-	-	0.02 U	-	-	-
Pesticides (mg/kg)										
4-4'-DDD	92	180	14	0.0033	-	-	-	-	-	-
4-4'-DDE	62	120	17	0.0033	-	-	-	-	-	-
4-4'-DDT	47	94	136	0.0033	-	-	-	-	-	-
Aldrin	0.68	1.4	0.19	0.005	-	-	-	-	-	-
alpha-Chlordane	24	47	2.9	0.094	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	3.4	6.8	0.02	0.02	-	-	-	-	-	-
beta-Hexachlorocyclohexane	3	14	0.09	0.036	-	-	-	-	-	-
delta-BHC	500	1000	0.25	0.04	-	-	-	-	-	-
Dieldrin	1.4	2.8	0.1	0.005	-	-	-	-	-	-
Endosulfan I	200	920	102	2.4	-	-	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-257	B-258	B-259	B-260	B-261	B-261
DEPTH					23 - 24 ft	6 - 7 ft	0 - 2 ft	23 - 24 ft	23 - 24 ft	23 - 24 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/14/2009	10/19/2009	10/21/2009	10/21/2009	10/19/2009	10/22/2009
SAMPLE TYPE					N	N	N	N	FD	N
SAMPLE NAME					B257 23-24FT	B258-1 6-7 FT	B259-1 0-2 FT	B260-1 23-24 FT	DUP 9-101909	B261-1 23-24 FT
Endosulfan II	200	920	102	2.4	-	-	-	-	-	-
Endosulfan sulfate	200	920	1000	2.4	-	-	-	-	-	-
Endrin	89	410	0.06	0.014	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	14	-	-	-	-	-	-	-
Heptachlor	15	29	0.38	0.042	-	-	-	-	-	-
Heptachlor epoxide	-	-	0.02	-	-	-	-	-	-	-
Lindane	9.2	23	0.1	0.1	-	-	-	-	-	-
Methoxychlor	-	-	900	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (mg/kg)										
1-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	0.41 U	-	-	-	-
2,4,5-Trichlorophenol	-	-	0.1	-	-	0.41 U [B]	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	0.41 U	-	-	-	-
2,4-Dichlorophenol	-	-	0.4	-	-	0.41 U [B]	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	0.41 U	-	-	-	-
2,4-Dinitrophenol	-	-	0.2	-	-	0.41 U [B]	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	0.41 U	-	-	-	-
2,6-Dinitrotoluene	-	-	1	-	-	0.41 U	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	0.041 U	-	-	-	-
2-Chlorophenol	-	-	-	-	-	0.41 U	-	-	-	-
2-Methyl naphthalene	-	-	36.4	-	-	0.85	-	-	-	-
2-Methylphenol	500	1000	0.33	0.33	-	0.41 U [B]	-	-	-	-
2-Nitroaniline	-	-	0.4	-	-	0.41 U [B]	-	-	-	-
2-Nitrophenol	-	-	0.3	-	-	0.41 U [B]	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	0.41 U	-	-	-	-
3-Nitroaniline	-	-	0.5	-	-	0.41 U	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	0.41 R	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	0.41 U	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	0.41 U	-	-	-	-
4-Chloroaniline	-	-	0.22	-	-	0.41 U [B]	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	0.41 U	-	-	-	-
4-Methylphenol	500	1000	0.33	0.33	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	0.41 U	-	-	-	-
4-Nitrophenol	-	-	0.1	-	-	0.41 U [B]	-	-	-	-
Acenaphthene	500	1000	98	20	0.036 U	0.064	-	-	-	-
Acenaphthylene	500	1000	107	100	-	0.041 U	-	-	-	-
Acetophenone	-	-	-	-	-	0.41 UJ	-	-	-	-
Anthracene	500	1000	1000	100	0.036 U	0.041 U	-	-	-	-
Atrazine	-	-	-	-	-	0.41 U	-	-	-	-
Benzaldehyde	-	-	-	-	-	0.41 U	-	-	-	-
Benzo(a)anthracene	5.6	11	1	1	0.036 U	0.041 U	-	-	-	-

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-257	B-258	B-259	B-260	B-261	B-261
DEPTH					23 - 24 ft	6 - 7 ft	0 - 2 ft	23 - 24 ft	23 - 24 ft	23 - 24 ft
DATE	**Restricted**	**Restricted**	**Groundwater**		10/14/2009	10/19/2009	10/21/2009	10/21/2009	10/19/2009	10/22/2009
SAMPLE TYPE	**Commercial**	**Industrial**	**Protection**	**Unrestricted**	N	N	N	N	FD	N
SAMPLE NAME	**Criteria**	**Criteria**	**Criteria**	**Criteria**	B257 23-24FT	B258-1 6-7 FT	B259-1 0-2 FT	B260-1 23-24 FT	DUP 9-101909	B261-1 23-24 FT
Benzo(a)pyrene	1	1.1	22	1	0.036 U	0.041 U	-	-	-	-
Benzo(b)fluoranthene	5.6	11	1.7	1	0.036 U	0.041 U	-	-	-	-
Benzo(g,h,i)perylene	500	1000	1000	100	0.036 U	0.041 U	-	-	-	-
Benzo(k)fluoranthene	56	110	1.7	0.8	0.036 U	0.041 U	-	-	-	-
Biphenyl	-	-	-	-	-	0.41 U	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	0.41 U	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	0.41 U	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	0.41 U	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	0.41 U	-	-	-	-
Caprolactam	-	-	-	-	-	0.41 U	-	-	-	-
Carbazole	-	-	-	-	-	0.41 U	-	-	-	-
Chrysene	56	110	1	1	0.036 U	0.041 U	-	-	-	-
Dibenzo(a,h)anthracene	-	-			0.036 U	0.041 U	-	-	-	-
Dibenzofuran	350	1000	6.2	7	-	0.41 U	-	-	-	-
Diethyl phthalate	-	-	7.1	-	-	0.41 U	-	-	-	-
Dimethyl phthalate	-	-	27	-	-	0.41 U	-	-	-	-
Di-n-butylphthalate	-	-	8.1	-	-	0.41 U	-	-	-	-
Di-n-octyl phthalate	-	-	120	-	-	0.41 U	-	-	-	-
Fluoranthene	500	1000	1000	100	0.036 U	0.041 U	-	-	-	-
Fluorene	500	1000	386	30	0.036 U	0.041 U	-	-	-	-
Hexachlorobenzene	6	12	1.4	0.33	-	0.41 U	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	0.41 U	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	0.41 U	-	-	-	-
Hexachloroethane	-	-	-	-	-	0.41 U	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	11	8.2	0.5	0.036 U	0.041 U	-	-	-	-
Isophorone	-	-	4.4	-	-	0.41 UJ	-	-	-	-
Naphthalene	500	1000	12	12	-	0.15	-	-	-	-
Nitrobenzene	69	140	0.17	-	-	0.41 U [B]	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	0.41 U	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	0.41 U	-	-	-	-
Pentachlorophenol	6.7	55	0.8	0.8	-	0.41 U	-	-	-	-
Phenanthrene	500	1000	1000	100	0.036 U	0.22	-	-	-	-
Phenol	500	1000	0.33	0.33	-	0.41 UJ [B]	-	-	-	-
Pyrene	500	1000	1000	100	0.036 U	0.041 U	-	-	-	-
Volatile Organic Compounds (mg/kg)										
1,1,1-Trichloroethane	500	1000	0.68	0.68	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
1,1,2,2-Tetrachloroethane	-	-	0.6	-	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
1,1,2-Trichloroethane	-	-	-	-	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
1,1-Dichloroethane	240	480	0.27	0.27	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
1,1-Dichloroethene	500	1000	0.33	0.33	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
1,2,4-Trichlorobenzene	-	-	3.4	-	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
1,2,4-Trimethylbenzene	190	380	3.6	3.6	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	-	0.027 U	0.31 U	-	0.028 U	0.027 U	0.28 U
1,2-Dibromoethane	-	-	-	-	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-257	B-258	B-259	B-260	B-261	B-261
DEPTH					23 - 24 ft	6 - 7 ft	0 - 2 ft	23 - 24 ft	23 - 24 ft	23 - 24 ft
DATE	Restricted Commercial Criteria	Restricted Industrial Criteria	Groundwater Protection Criteria	Unrestricted Criteria	10/14/2009	10/19/2009	10/21/2009	10/21/2009	10/19/2009	10/22/2009
SAMPLE TYPE					N	N	N	N	FD	N
SAMPLE NAME					B257 23-24FT	B258-1 6-7 FT	B259-1 0-2 FT	B260-1 23-24 FT	DUP 9-101909	B261-1 23-24 FT
1,2-Dichlorobenzene	500	1000	1.1	1.1	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
1,2-Dichloroethane	30	60	0.02	0.02	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
1,2-Dichloropropane	-	-	-	-	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
1,3,5-Trimethylbenzene	190	380	8.4	8.4	-	-	-	-	-	-
1,3-Dichlorobenzene	280	560	2.4	2.4	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
1,4-Dichlorobenzene	130	250	1.8	1.8	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
2-Butanone	500	1000	0.12	0.12	0.055 U	1.4 [B]	-	0.056 U	0.054 U	1.5 [B]
2-Hexanone	-	-	-	-	0.055 U	0.62 U	-	0.056 U	0.054 U	0.55 U
4-Methyl-2-pentanone	-	-	1	-	0.055 U	0.62 U	-	0.056 U	0.054 U	0.55 U
Acetone	500	1000	0.05	0.05	0.27 U [B]	3.1 U [B]	-	0.28 U [B]	0.27 U [B]	2.8 U [B]
Benzene	44	89	0.06	0.06	0.0055 U	0.062 U [B]	-	0.0056 U	0.0054 U	0.055 U
Benzene, butyl	500	1000	12	12	-	-	-	-	-	-
Bromodichloromethane	-	-	-	-	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
Bromoform	-	-	-	-	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
Bromomethane	-	-	-	-	0.027 U	0.31 U	-	0.028 U	0.027 U	0.28 U
Carbon disulfide	-	-	2.7	-	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
Carbon tetrachloride	22	44	0.76	0.76	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
Chlorobenzene	500	1000	1.1	1.1	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
Chloroethane	-	-	1.9	-	0.027 U	0.31 U	-	0.028 U	0.027 U	0.28 U
Chloroform	350	700	0.37	0.37	0.027 U	0.31 U	-	0.028 U	0.027 U	0.28 U
Chloromethane	-	-	-	-	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
cis-1,2-Dichloroethene	500	1000	0.25	0.25	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
cis-1,3-Dichloropropene	-	-	-	-	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
Cyclohexane	-	-	-	-	0.0055 U	0.062 U	-	0.03	0.0054 U	0.055 U
Cymene	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
Dichlorodifluoromethane (CFC-12)	-	-	-	-	0.027 U	0.31 U	-	0.028 U	0.027 U	0.28 U
Ethylbenzene	390	780	1	1	0.0055 U	0.13	-	0.0056 U	0.0054 U	0.055 U
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	2.3	-	0.055 U	0.62 U	-	0.062	0.054 U	0.55 U
m/p-Xylene	-	-	-	-	-	-	-	-	-	-
Methyl acetate	-	-	-	-	0.11 U	1.2 U	-	0.11 U	0.11 U	1.1 U
Methyl cyclohexane	-	-	-	-	0.0055 U	0.062 U	-	0.44	0.0054 U	0.055 U
Methyl tert butyl ether (MTBE)	500	1000	0.93	0.93	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
Methylene chloride	500	1000	0.05	0.05	0.027 U	0.31 U [B]	-	0.028 U	0.027 U	0.28 U [B]
Naphthalene	500	1000	12	12	0.027 U	1.3	-	0.028 U	0.098	0.28 U
n-Propylbenzene	500	1000	3.9	3.9	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	500	1000	11	11	-	-	-	-	-	-
Styrene	-	-	-	-	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
tert-Butylbenzene	500	1000	5.9	5.9	-	-	-	-	-	-
Tetrachloroethene	150	300	1.3	1.3	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
Toluene	500	1000	0.7	0.7	0.027 U	0.31 U	-	0.028 U	0.027 U	0.28 U
trans-1,2-Dichloroethene	500	1000	0.19	0.19	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

LOCATION	NYSDEC Brownfield Cleanup Program Soil Clenaup Objectives				B-257	B-258	B-259	B-260	B-261	B-261
DEPTH					23 - 24 ft	6 - 7 ft	0 - 2 ft	23 - 24 ft	23 - 24 ft	23 - 24 ft
DATE	**Restricted Commercial Criteria**	**Restricted Industrial Criteria**	**Groundwater Protection Criteria**	**Unrestricted Criteria**	10/14/2009	10/19/2009	10/21/2009	10/21/2009	10/19/2009	10/22/2009
SAMPLE TYPE					N	N	N	N	FD	N
SAMPLE NAME					B257 23-24FT	B258-1 6-7 FT	B259-1 0-2 FT	B260-1 23-24 FT	DUP 9-101909	B261-1 23-24 FT
trans-1,3-Dichloropropene	-	-	-	-	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
Trichloroethene	200	400	0.47	0.47	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
Trichlorofluoromethane (CFC-11)	-	-	-	-	0.027 U	0.31 U	-	0.028 U	0.027 U	0.28 U
Trifluorotrichloroethane (Freon 113)	-	-	-	-	0.0055 U	0.062 U	-	0.0056 U	0.0054 U	0.055 U
Vinyl chloride	13	27	0.02	0.02	0.0055 U	0.062 U [B]	-	0.0056 U	0.0054 U	0.055 U [B]
Xylenes (total)	500	1000	1.6	0.26	0.016 U	0.19	-	0.017 U	0.016 U	0.16 U

TABLE IV - SUMMARY OF ANALYTICAL RESULTS FOR SOIL REMAINING BELOW COVER SYSTEM
TIOGA AVENUE BCP SITE REMEDIAL INVESTIGATION PROGRAM
CORNING, NEW YORK

Notes and Abbreviations:

1. Criteria based on NYSDEC Brownfield Cleanup Program Soil Cleanup Objectives.
Bold - Exceeds Restricted Commercial Criteria
† - Exceeds Restricted Industrial Criteria.
[B] - Exceeds Groundwater Protection Criteria.
Yellow Highlight - Exceeds Unrestricted Criteria
2. U - Indicates chemical was not detected above the reporting limit.
J - Estimated result
3. For chromium, hexavalent values used since sample was not speciated
4. Sample Types: N - Normal Samples, FD - Field Duplicate

5. Table adapted from Report on Remedial Investigations & Recommended Remedial Actions for the Tioga Avenue Site Table III (Haley & Aldrich 2010), and revised to remove soil exceedances that were removed via excavation subsequent to the report issuance.

6. Red highlight indicates that the top 1 foot of contaminated soil was removed at this boring location during the 2012 Park Redevelopment Project.

7. *-Revised sample name. The sample location was revised from B112 to B114 and B-143-MW to B-142-MW after reviewing the chain of custody and lab report. It appears the location was misreported in the Haley & Aldrich summary tables provided in Report on Remedial Investigations & Recommended Remedial Actions for the Tioga Avenue Site Table III (Haley & Aldrich 2010).

TABLE V - SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
TIOGA AVENUE BCP SITE
CORNING, NEW YORK

LOCATION		B-129-MW	B-129-MW	B-143-MW	B-143-MW	B-143-MW	B-144-MW	B-144-MW	B-145-MW	B-145-MW
SAMPLE DATE		10/2/2007	11/5/2009	10/2/2007	11/6/2009	11/6/2009	10/1/2007	11/5/2009	10/2/2007	11/5/2009
SAMPLE TYPE		N	N	N	FD	N	N	N	N	N
SAMPLE ID	**TOGS 1.1.1.**	B-129-MW_100207	B129-MW-110509	B-143-MW_100207	DUP-1-110609	B143-MW-110609	B-144-MW_100107	B144-MW-110509	B-145-MW_100207	B145-MW-110509
Metals (µg/L)										
Aluminum	100	93.6 J	100 U	200 U	100 U	100 U	**181 J**	**360**	**310**	**280**
Antimony	3	60 U	1 U	**7 J**	**52**	**52**	60 U	1 U	60 U	1 U
Arsenic	25	4.6 J	1.1	10 U	1.2	1.2	10 U	1 U	10 U	1 U
Barium	1000	136 J	140	181 J	140	140	68.5 J	69	68.6 J	81
Beryllium	-	5 U	2 U	5 U	2 U	2 U	5 U	2 U	5 U	2 U
Cadmium	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium	-	85600	120000 J	120000	82000 J	83000 J	54100	74000 J	62900	57000 J
Chromium	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt	-	50 U	10 U	50 U	10 U	10 U	50 U	10 U	50 U	10 U
Copper	200	1.8 J	20 U	25 U	20 U	20 U	2 J	20 U	2.2 J	20 U
Cyanide (total)	-	10 U	-	10 UJ	-	-	-	-	-	-
Iron	300	238	190	**1120 J**	100 U	100 U	201	**500**	276	260
Lead	-	3 U	5 U	3 U	5 U	5 U	3 U	5 U	3 U	5 U
Magnesium	35000	12600	20000	23000	17000	17000	11100	14000	12700	12000
Manganese	300	**606**	120	**1060 J**	10 U	10 U	**549**	10 U	51	10
Mercury	0.7	0.2 U	0.2 U	U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40 U	20 U	40 U	20 U	20 U	40 U	20 U	40 U	20 U
Potassium	-	6350	4900	27600	100000	100000	3070 J	2600	2370 J	2400
Selenium	10	5 U	**37**	5 U	**38**	**33**	5 U	20 U	3.7 J	20 U
Silver	50	10 U	10 R	10 U	10 R	10 R	10 U	10 R	10 U	10 R
Sodium	20000	**24400**	**24000 J**	**112000**	**110000 J**	**110000 J**	**24100**	**27000 J**	**24500**	**28000 J**
Thallium	0.5	10 U	1 U	10 U	1 U	1 U	**5 J**	1 U	10 U	1 U
Vanadium	-	50 U	10 U	50 U	10 U	10 U	50 U	10 U	50 U	10 U
Zinc	-	20 U	30 U	20 U	30 U	30 U	20 U	30 U	20 U	30 U
PCBs (µg/L)										
Aroclor-1016	-	1 U	-	1 U	-	-	-	-	-	-
Aroclor-1221	-	1 U	-	1 U	-	-	-	-	-	-
Aroclor-1232	-	1 U	-	1 U	-	-	-	-	-	-
Aroclor-1242	-	1 U	-	1 U	-	-	-	-	-	-
Aroclor-1248	-	1 U	-	1 U	-	-	-	-	-	-
Aroclor-1254	-	1 U	-	1 U	-	-	-	-	-	-
Aroclor-1260	-	1 U	-	1 U	-	-	-	-	-	-
Pesticides (µg/L)										
4-4'-DDD	-	0.05 U	-	0.05 U	-	-	-	-	-	-
4-4'-DDE	-	0.05 U	-	0.05 U	-	-	-	-	-	-
4-4'-DDT	-	0.05 U	-	0.05 U	-	-	-	-	-	-
Aldrin	-	0.0079 J	-	0.05 U	-	-	-	-	-	-
alpha-Chlordane	-	0.05 U	-	0.05 U	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	0.01	0.05 U	-	**0.019 J**	-	-	-	-	-	-
beta-Hexachlorocyclohexane	0.04	0.05 U	-	0.011 J	-	-	-	-	-	-
delta-BHC	0.04	0.05 U	-	0.01 J	-	-	-	-	-	-
Dieldrin	0.004	0.05 U	-	**0.0087 J**	-	-	-	-	-	-
Endosulfan I	-	0.05 U	-	0.05 U	-	-	-	-	-	-
Endosulfan II	-	0.05 U	-	0.05 U	-	-	-	-	-	-
Endosulfan sulfate	-	0.05 U	-	0.05 U	-	-	-	-	-	-
Endrin	-	0.05 U	-	0.05 U	-	-	-	-	-	-
Endrin aldehyde	-	0.05 U	-	0.05 U	-	-	-	-	-	-

TABLE V - SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
TIOGA AVENUE BCP SITE
CORNING, NEW YORK

LOCATION		B-129-MW	B-129-MW	B-143-MW	B-143-MW	B-143-MW	B-144-MW	B-144-MW	B-145-MW	B-145-MW
SAMPLE DATE		10/2/2007	11/5/2009	10/2/2007	11/6/2009	11/6/2009	10/1/2007	11/5/2009	10/2/2007	11/5/2009
SAMPLE TYPE		N	N	N	FD	N	N	N	N	N
SAMPLE ID	**TOGS 1.1.1.**	B-129-MW_100207	B129-MW-110509	B-143-MW_100207	DUP-1-110609	B143-MW-110609	B-144-MW_100107	B144-MW-110509	B-145-MW_100207	B145-MW-110509
Endrin ketone	-	0.05 U	-	0.05 U	-	-	-	-	-	-
gamma-Chlordane	-	0.05 U	-	0.05 U	-	-	-	-	-	-
Heptachlor	0.04	0.0073 J	-	0.05 U	-	-	-	-	-	-
Heptachlor epoxide	-	0.05 U	-	0.05 U	-	-	-	-	-	-
Lindane	0.05	0.0065 J	-	0.029 J	-	-	-	-	-	-
Methoxychlor	-	0.1 U	-	0.1 U	-	-	-	-	-	-
Toxaphene	-	2 U	-	2 U	-	-	-	-	-	-
Semivolatile Organic Compounds (µg/L)										
1,2,4,5-Tetrachlorobenzene	-	-	-	-	10 U	10 U	-	-	-	-
1-Methylnaphthalene	-	-	-	-	-	-	10 U	-	10 U	-
2,2-oxybis(1-Chloropropane)	-	10 U	-	10 U	10 U	10 U	-	-	-	-
2,4,5-Trichlorophenol	-	10 U	-	10 U	10 U	10 U	-	-	-	-
2,4,6-Trichlorophenol	-	10 U	-	10 U	10 U	10 U	-	-	-	-
2,4-Dichlorophenol	-	10 U	-	10 U	10 U	10 U	-	-	-	-
2,4-Dimethylphenol	-	10 U	-	10 U	10 U	10 U	-	-	-	-
2,4-Dinitrophenol	-	50 U	-	50 U	10 U	10 U	-	-	-	-
2,4-Dinitrotoluene	-	10 U	-	10 U	10 U	10 U	-	-	-	-
2,6-Dinitrotoluene	-	10 U	-	10 U	10 U	10 U	-	-	-	-
2-Chloronaphthalene	-	10 U	-	10 U	1 U	1 U	-	-	-	-
2-Chlorophenol	-	10 U	-	10 U	10 U	10 U	-	-	-	-
2-Methyl naphthalene	-	10 U	-	10 U	1 U	1 U	10 U	-	10 U	-
2-Methylphenol	-	10 U	-	10 U	10 U	10 U	-	-	-	-
2-Nitroaniline	-	50 U	-	50 U	10 U	10 U	-	-	-	-
2-Nitrophenol	-	10 U	-	10 U	10 U	10 U	-	-	-	-
3,3-Dichlorobenzidine	-	50 U	-	50 R	10 R	10 R	-	-	-	-
3-Nitroaniline	-	50 U	-	50 U	10 U	10 U	-	-	-	-
4,6-Dinitro-2-methylphenol	-	50 U	-	50 UJ	10 U	10 U	-	-	-	-
4-Bromophenyl phenyl ether	-	10 U	-	10 U	10 U	10 U	-	-	-	-
4-Chloro-3-methylphenol	-	10 U	-	10 U	10 U	10 U	-	-	-	-
4-Chloroaniline	-	10 U	-	10 U	10 U	10 U	-	-	-	-
4-Chlorophenyl phenyl ether	-	10 U	-	10 U	10 U	10 U	-	-	-	-
4-Methylphenol	-	10 U	-	10 U	-	-	-	-	-	-
4-Nitroaniline	-	50 U	-	50 U	10 U	10 U	-	-	-	-
4-Nitrophenol	-	50 U	-	50 U	10 U	10 U	-	-	-	-
Acenaphthene	20	0.28 J	-	4.4 J	1 U	1 U	10 U	-	10 U	-
Acenaphthylene	-	10 U	-	10 U	1 U	1 U	10 U	-	10 U	-
Acetophenone	-	10 U	-	10 U	10 U	10 U	-	-	-	-
Anthracene	-	10 U	-	10 U	1 U	1 U	10 U	-	10 U	-
Atrazine	-	10 U	-	10 U	10 U	10 U	-	-	-	-
Benzaldehyde	-	10 U	-	10 U	10 U	10 U	-	-	-	-
Benzo(a)anthracene	-	10 U	-	10 U	1 U	1 U	10 U	-	10 U	-
Benzo(a)pyrene	-	10 U	-	10 U	1 U	1 U	10 U	-	10 U	-
Benzo(b)fluoranthene	-	10 U	-	10 U	1 U	1 U	10 U	-	10 U	-
Benzo(g,h,i)perylene	-	10 U	-	10 U	1 UJ	1 UJ	10 U	-	10 U	-
Benzo(k)fluoranthene	-	10 U	-	10 U	1 U	1 U	10 U	-	10 U	-
Biphenyl	-	10 U	-	10 U	10 U	10 U	-	-	-	-
bis(2-Chloroethoxy)methane	-	10 U	-	10 U	10 U	10 U	-	-	-	-
bis(2-Chloroethyl)ether	-	10 U	-	10 U	10 U	10 U	-	-	-	-
bis(2-Ethylhexyl)phthalate	5	10 U	-	10 U	1 U	1 U	-	-	-	-

TABLE V - SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
TIOGA AVENUE BCP SITE
CORNING, NEW YORK

LOCATION		B-129-MW	B-129-MW	B-143-MW	B-143-MW	B-143-MW	B-144-MW	B-144-MW	B-145-MW	B-145-MW
SAMPLE DATE		10/2/2007	11/5/2009	10/2/2007	11/6/2009	11/6/2009	10/1/2007	11/5/2009	10/2/2007	11/5/2009
SAMPLE TYPE		N	N	N	FD	N	N	N	N	N
SAMPLE ID	**TOGS 1.1.1.**	B-129-MW_100207	B129-MW-110509	B-143-MW_100207	DUP-1-110609	B143-MW-110609	B-144-MW_100107	B144-MW-110509	B-145-MW_100207	B145-MW-110509
Butyl benzylphthalate	-	10 U	-	10 U	1 U	1 U	-	-	-	-
Caprolactam	-	10 U	-	10 U	10 U	10 U	-	-	-	-
Carbazole	-	10 U	-	10 U	10 U	10 U	-	-	-	-
Chrysene	-	10 U	-	10 U	1 U	1 U	10 U	-	10 U	-
Dibenzo(a,h)anthracene	-	10 U	-	10 U	1 UJ	1 UJ	10 U	-	10 U	-
Dibenzofuran	-	10 U	-	3.1 J	10 U	10 U	-	-	-	-
Diethyl phthalate	-	10 U	-	10 U	1 U	1 U	-	-	-	-
Dimethyl phthalate	-	10 U	-	10 U	1 U	1 U	-	-	-	-
Di-n-butylphthalate	-	10 U	-	10 U	1 U	1 U	-	-	-	-
Di-n-octyl phthalate	-	10 U	-	10 U	1 U	1 U	-	-	-	-
Fluoranthene	-	10 U	-	10 U	1 U	1 U	10 U	-	10 U	-
Fluorene	50	0.2 J	-	6.4 J	1 U	1 U	10 U	-	10 U	-
Hexachlorobenzene	-	10 U	-	10 U	1 U	1 U	-	-	-	-
Hexachlorobutadiene	-	10 U	-	10 U	10 U	10 U	-	-	-	-
Hexachlorocyclopentadiene	-	50 U	-	50 U	10 U	10 U	-	-	-	-
Hexachloroethane	-	10 U	-	10 U	1 U	1 U	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	10 U	-	10 U	10 UJ	10 UJ	10 U	-	10 U	-
Isophorone	-	10 U	-	10 U	10 U	10 U	-	-	-	-
Naphthalene	-	10 U	-	10 U	10 U	10 U	10 U	-	10 U	-
Nitrobenzene	-	10 U	-	10 U	10 U	10 U	-	-	-	-
N-Nitrosodi-n-propylamine	-	10 U	-	10 U	10 U	10 U	-	-	-	-
N-Nitrosodiphenylamine	-	10 U	-	10 U	10 U	10 U	-	-	-	-
Pentachlorophenol	-	10 U	-	10 U	10 U	10 U	-	-	-	-
Phenanthrene	50	10 U	-	3.6 J	10 U	10 U	0.39 J	-	10 U	-
Phenol	-	10 U	-	10 U	10 U	10 U	-	-	-	-
Pyrene	-	10 U	-	10 U	10 U	10 U	10 U	-	10 U	-
Volatile Organic Compounds (µg/L)										
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	0.37 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	-	-	1 U	-	1 U	1 U	-	1 U	-	1 U
1,2,4-Trichlorobenzene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane (DBCP)	-	2 U	5 U	2 U	5 U	5 U	2 U	5 U	2 U	5 U
1,2-Dibromoethane	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50	10 U	50 U	10 U	50 U	50 U	10 U	50 U	10 U	50 U
Benzene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	-	1 U	5 U	1 U	5 U	5 U	1 U	5 U	1 U	5 U
Carbon disulfide	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

TABLE V - SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
TIOGA AVENUE BCP SITE
CORNING, NEW YORK

LOCATION		B-129-MW	B-129-MW	B-143-MW	B-143-MW	B-143-MW	B-144-MW	B-144-MW	B-145-MW	B-145-MW
SAMPLE DATE		10/2/2007	11/5/2009	10/2/2007	11/6/2009	11/6/2009	10/1/2007	11/5/2009	10/2/2007	11/5/2009
SAMPLE TYPE		N	N	N	FD	N	N	N	N	N
SAMPLE ID	**TOGS 1.1.1.**	B-129-MW_100207	B129-MW-110509	B-143-MW_100207	DUP-1-110609	B143-MW-110609	B-144-MW_100107	B144-MW-110509	B-145-MW_100207	B145-MW-110509
Carbon tetrachloride	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobromomethane	-	-	1 U	-	1 U	1 U	-	1 U	-	1 U
Chloroethane	-	1 U	5 U	1 U	5 U	5 U	1 U	5 U	1 U	5 U
Chloroform	7	1 U	5 U	1 U	5 U	5 U	1 U	5 U	1 U	5 U
Chloromethane	-	1 U	2.5 U	1 U	2.5 U	2.5 U	1 U	2.5 U	1 U	2.5 U
cis-1,2-Dichloroethene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	-	1 U	1 U	1 U	1 U	1 U	0.31 J	1 U	1 U	1 U
Dibromochloromethane	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane (CFC-12)	-	1 U	5 U	1 UJ	5 U	5 U	1 U	5 U	1 U	5 U
Ethylbenzene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	0.55 J	1 U	1 U	1 U	1 U	1 U	1 U
Methyl acetate	-	10 U	20 U	10 U	20 U	20 U	10 U	20 U	10 U	20 U
Methyl cyclohexane	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert butyl ether (MTBE)	-	5 U	1 U	5 U	1 U	1 U	5 U	1 U	5 U	1 U
Methylene chloride	-	1 U	5 U	1 U	5 U	5 U	1 U	5 U	1 U	5 U
Styrene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	5 U	0.28 J	5 U	5 U	0.34 J	5 U	1 U	5 U
trans-1,2-Dichloroethene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	0.35 J	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane (CFC-11)	5	1 U	5 U	1.8	5 U	5 U	1 U	5 U	1 U	5 U
Trifluorotrichloroethane (Freon 113)	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	-	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	-	2 U	3 U	2 U	3 U	3 U	2 U	3 U	2 U	3 U

TABLE V - SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
TIOGA AVENUE BCP SITE
CORNING, NEW YORK

LOCATION		B-146-MW	B-146-MW	B-147-MW	B-147-MW	B-246-MW	B-247-MW	B-248-MW	B-249-MW	B-250-MW
SAMPLE DATE		10/1/2007	11/5/2009	10/1/2007	11/5/2009	11/4/2009	11/4/2009	11/4/2009	11/4/2009	11/4/2009
SAMPLE TYPE		N	N	N	N	N	N	N	N	N
SAMPLE ID	**TOGS 1.1.1.**	B-146-MW_100107	B146-MW-110509	B-147-MW_100107	B147-MW-110509	B246-MW-110409	B247-MW-110409	B248-MW-110409	B249-MW-110409	B250-MW-110409
Metals (µg/L)										
Aluminum	100	56.3 J	100 U	200 U	100 U	100 U	-	-	-	**250**
Antimony	3	60 U	1 U	60 U	1 U	1 U	-	-	-	**39**
Arsenic	25	10 U	1 U	10 U	1 U	1 U	-	-	-	13
Barium	1000	98.9 J	100	88.8 J	96	64	-	-	-	470
Beryllium	-	5 U	2 U	5 U	2 U	2 U	-	-	-	2 U
Cadmium	5	5 U	5 U	0.65 J	5 U	5 U	-	-	-	5 U
Calcium	-	113000	130000 J	76000	76000 J	42000 J	-	-	-	160000 J
Chromium	50	10 U	10 U	2.3 J	10 U	10 U	-	-	-	10 U
Cobalt	-	50 U	10 U	2.5 J	10 U	10 U	-	-	-	10 U
Copper	200	1.8 J	20 U	4.2 J	20 U	20 U	-	-	-	20 U
Cyanide (total)	-	-	-	-	-	-	-	-	-	-
Iron	300	93.4 J	140	82.1 J	100	100 U	-	-	-	**4000**
Lead	-	3 U	5 U	3 U	5 U	5 U	-	-	-	5 U
Magnesium	35000	23800	28000	14800	15000	9200	-	-	-	18000
Manganese	300	**611 J**	10 U	230	10 U	10 U	-	-	-	**1800**
Mercury	0.7	U	0.2 U	0.2 U	0.2 U	0.2 U	-	-	-	0.2 U
Nickel	100	40 U	20 U	2.1 J	20 U	20 U	-	-	-	20 U
Potassium	-	5360	4700	2870 J	3000	1800	-	-	-	64000
Selenium	10	6.6	**20**	5.7	20 U	20 U	-	-	-	**24**
Silver	50	10 U	10 R	2.6 J	10 R	10 R	-	-	-	10 R
Sodium	20000	**60800**	**61000 J**	**48800**	**34000 J**	**29000 J**	-	-	-	**170000 J**
Thallium	0.5	10 U	1 U	10 U	1 U	1 U	-	-	-	1 U
Vanadium	-	50 U	10 U	2.2 J	10 U	10 U	-	-	-	10 U
Zinc	-	20 U	30 U	20 U	30 U	30 U	-	-	-	30 U
PCBs (µg/L)										
Aroclor-1016	-	-	-	-	-	-	-	-	-	-
Aroclor-1221	-	-	-	-	-	-	-	-	-	-
Aroclor-1232	-	-	-	-	-	-	-	-	-	-
Aroclor-1242	-	-	-	-	-	-	-	-	-	-
Aroclor-1248	-	-	-	-	-	-	-	-	-	-
Aroclor-1254	-	-	-	-	-	-	-	-	-	-
Aroclor-1260	-	-	-	-	-	-	-	-	-	-
Pesticides (µg/L)										
4-4'-DDD	-	-	-	-	-	-	-	-	-	-
4-4'-DDE	-	-	-	-	-	-	-	-	-	-
4-4'-DDT	-	-	-	-	-	-	-	-	-	-
Aldrin	-	-	-	-	-	-	-	-	-	-
alpha-Chlordane	-	-	-	-	-	-	-	-	-	-
alpha-Hexachlorocyclohexane	0.01	-	-	-	-	-	-	-	-	-
beta-Hexachlorocyclohexane	0.04	-	-	-	-	-	-	-	-	-
delta-BHC	0.04	-	-	-	-	-	-	-	-	-
Dieldrin	0.004	-	-	-	-	-	-	-	-	-
Endosulfan I	-	-	-	-	-	-	-	-	-	-
Endosulfan II	-	-	-	-	-	-	-	-	-	-
Endosulfan sulfate	-	-	-	-	-	-	-	-	-	-
Endrin	-	-	-	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-

TABLE V - SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
TIOGA AVENUE BCP SITE
CORNING, NEW YORK

LOCATION		B-146-MW	B-146-MW	B-147-MW	B-147-MW	B-246-MW	B-247-MW	B-248-MW	B-249-MW	B-250-MW
SAMPLE DATE		10/1/2007	11/5/2009	10/1/2007	11/5/2009	11/4/2009	11/4/2009	11/4/2009	11/4/2009	11/4/2009
SAMPLE TYPE		N	N	N	N	N	N	N	N	N
SAMPLE ID	**TOGS 1.1.1.**	B-146-MW_100107	B146-MW-110509	B-147-MW_100107	B147-MW-110509	B246-MW-110409	B247-MW-110409	B248-MW-110409	B249-MW-110409	B250-MW-110409
Endrin ketone	-	-	-	-	-	-	-	-	-	-
gamma-Chlordane	-	-	-	-	-	-	-	-	-	-
Heptachlor	0.04	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	-	-	-	-	-	-	-	-
Lindane	0.05	-	-	-	-	-	-	-	-	-
Methoxychlor	-	-	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-
Semivolatile Organic Compounds (µg/L)										
1,2,4,5-Tetrachlorobenzene	-	-	-	-	-	-	-	-	-	-
1-Methylnaphthalene	-	10 U	-	10 U	-	-	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-
2-Methyl naphthalene	-	10 U	-	10 U	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	-	-	-	-	-	-	-	-
3,3-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	-	-	-	-	-	-	-	-
Acenaphthene	20	10 U	-	10 U	-	-	-	-	-	5.3 J
Acenaphthylene	-	10 U	-	10 U	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-
Anthracene	-	10 U	-	10 U	-	-	-	-	-	1 U
Atrazine	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	10 U	-	10 U	-	-	-	-	-	1 U
Benzo(a)pyrene	-	10 U	-	10 U	-	-	-	-	-	1 U
Benzo(b)fluoranthene	-	10 U	-	10 U	-	-	-	-	-	1 U
Benzo(g,h,i)perylene	-	10 U	-	10 U	-	-	-	-	-	1 UJ
Benzo(k)fluoranthene	-	10 U	-	10 U	-	-	-	-	-	1 U
Biphenyl	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	5	-	-	-	-	-	-	-	-	-

TABLE V - SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
TIOGA AVENUE BCP SITE
CORNING, NEW YORK

LOCATION		B-146-MW	B-146-MW	B-147-MW	B-147-MW	B-246-MW	B-247-MW	B-248-MW	B-249-MW	B-250-MW
SAMPLE DATE		10/1/2007	11/5/2009	10/1/2007	11/5/2009	11/4/2009	11/4/2009	11/4/2009	11/4/2009	11/4/2009
SAMPLE TYPE		N	N	N	N	N	N	N	N	N
SAMPLE ID	**TOGS 1.1.1.**	B-146-MW_100107	B146-MW-110509	B-147-MW_100107	B147-MW-110509	B246-MW-110409	B247-MW-110409	B248-MW-110409	B249-MW-110409	B250-MW-110409
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-
Caprolactam	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-
Chrysene	-	10 U	-	10 U	-	-	-	-	-	1 U
Dibenzo(a,h)anthracene	-	10 U	-	10 U	-	-	-	-	-	1 UJ
Dibenzofuran	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	10 U	-	10 U	-	-	-	-	-	1 U
Fluorene	50	10 U	-	10 U	-	-	-	-	-	7.5 J
Hexachlorobenzene	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	10 U	-	10 U	-	-	-	-	-	1 UJ
Isophorone	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	10 U	-	10 U	-	-	-	-	-	-
Nitrobenzene	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	-	-	-	-	-	-	-	-	-	-
Phenanthrene	50	0.32 J	-	10 U	-	-	-	-	-	4.2 J
Phenol	-	-	-	-	-	-	-	-	-	-
Pyrene	-	10 U	-	10 U	-	-	-	-	-	1 U
Volatile Organic Compounds (µg/L)										
1,1,1-Trichloroethane	5	0.79 J	1.5	0.53 J	2	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	-	-	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane (DBCP)	-	2 U	5 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50	1.5 J	50 U	10 U	50 U	50 U	50 U	50 U	50 U	50 U
Benzene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	1 U
Bromoform	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	-	1 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	-	0.64 J	1 U	0.68 J	1 U	1 U	1 U	1 U	1 U	1 U

TABLE V - SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
TIOGA AVENUE BCP SITE
CORNING, NEW YORK

LOCATION		B-146-MW	B-146-MW	B-147-MW	B-147-MW	B-246-MW	B-247-MW	B-248-MW	B-249-MW	B-250-MW
SAMPLE DATE		10/1/2007	11/5/2009	10/1/2007	11/5/2009	11/4/2009	11/4/2009	11/4/2009	11/4/2009	11/4/2009
SAMPLE TYPE		N	N	N	N	N	N	N	N	N
SAMPLE ID	**TOGS 1.1.1.**	B-146-MW_100107	B146-MW-110509	B-147-MW_100107	B147-MW-110509	B246-MW-110409	B247-MW-110409	B248-MW-110409	B249-MW-110409	B250-MW-110409
Carbon tetrachloride	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobromomethane	-	-	1 U	-	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	-	1 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	7	0.2 J	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	-	1 U	2.5 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	-	0.13 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.6	1 U
Dichlorodifluoromethane (CFC-12)	-	1 UJ	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**19**
Methyl acetate	-	10 U	20 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U
Methyl cyclohexane	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2
Methyl tert butyl ether (MTBE)	-	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	-	1 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	0.31 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	0.22 J	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U
Trichlorofluoromethane (CFC-11)	5	1 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Trifluorotrichloroethane (Freon 113)	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	-	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	-	2 U	3 U	2 U	3 U	3 U	3 U	3 U	3 U	3 U

TABLE V - SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
TIOGA AVENUE BCP SITE
CORNING, NEW YORK

LOCATION		B-251-MW	B-252-MW	B-252-MW
SAMPLE DATE		11/4/2009	11/6/2009	11/6/2009
SAMPLE TYPE		N	FD	N
SAMPLE ID	**TOGS 1.1.1.**	B251-MW-110409	DUP-2-110609	B252-MW-110609
Metals (µg/L)				
Aluminum	100	**700**	100	100 U
Antimony	3	1 U	1.3	1.4
Arsenic	25	2.1	1 U	1 U
Barium	1000	270	170	160
Beryllium	-	2 U	2 U	2 U
Cadmium	5	5 U	5 U	5 U
Calcium	-	69000 J	150000 J	150000 J
Chromium	50	10 U	10 U	10 U
Cobalt	-	10 U	10 U	10 U
Copper	200	20 U	20 U	20 U
Cyanide (total)	-	-	-	-
Iron	300	**2200**	160	180
Lead	-	5 U	5 U	5 U
Magnesium	35000	14000	23000	23000
Manganese	300	**900**	190	170
Mercury	0.7	0.2 U	0.2 U	0.2 U
Nickel	100	20 U	20 U	20 U
Potassium	-	36000	8600	8500
Selenium	10	**22**	**24**	**34**
Silver	50	10 R	10 R	10 R
Sodium	20000	**60000 J**	**30000 J**	**30000 J**
Thallium	0.5	1 U	1 U	1 U
Vanadium	-	10 U	10 U	10 U
Zinc	-	30 U	30 U	30 U
PCBs (µg/L)				
Aroclor-1016	-	-	-	-
Aroclor-1221	-	-	-	-
Aroclor-1232	-	-	-	-
Aroclor-1242	-	-	-	-
Aroclor-1248	-	-	-	-
Aroclor-1254	-	-	-	-
Aroclor-1260	-	-	-	-
Pesticides (µg/L)				
4-4'-DDD	-	-	-	-
4-4'-DDE	-	-	-	-
4-4'-DDT	-	-	-	-
Aldrin	-	-	-	-
alpha-Chlordane	-	-	-	-
alpha-Hexachlorocyclohexane	0.01	-	-	-
beta-Hexachlorocyclohexane	0.04	-	-	-
delta-BHC	0.04	-	-	-
Dieldrin	0.004	-	-	-
Endosulfan I	-	-	-	-
Endosulfan II	-	-	-	-
Endosulfan sulfate	-	-	-	-
Endrin	-	-	-	-
Endrin aldehyde	-	-	-	-

TABLE V - SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
TIOGA AVENUE BCP SITE
CORNING, NEW YORK

LOCATION		B-251-MW	B-252-MW	B-252-MW
SAMPLE DATE		11/4/2009	11/6/2009	11/6/2009
SAMPLE TYPE		N	FD	N
SAMPLE ID	**TOGS 1.1.1.**	B251-MW-110409	DUP-2-110609	B252-MW-110609
Endrin ketone	-	-	-	-
gamma-Chlordane	-	-	-	-
Heptachlor	0.04	-	-	-
Heptachlor epoxide	-	-	-	-
Lindane	0.05	-	-	-
Methoxychlor	-	-	-	-
Toxaphene	-	-	-	-
Semivolatile Organic Compounds (µg/L)				
1,2,4,5-Tetrachlorobenzene	-	10 U	-	-
1-Methylnaphthalene	-	-	-	-
2,2-oxybis(1-Chloropropane)	-	10 U	-	-
2,4,5-Trichlorophenol	-	10 U	-	-
2,4,6-Trichlorophenol	-	10 U	-	-
2,4-Dichlorophenol	-	10 U	-	-
2,4-Dimethylphenol	-	10 U	-	-
2,4-Dinitrophenol	-	10 U	-	-
2,4-Dinitrotoluene	-	10 U	-	-
2,6-Dinitrotoluene	-	10 U	-	-
2-Chloronaphthalene	-	1 U	-	-
2-Chlorophenol	-	10 U	-	-
2-Methyl naphthalene	-	21 J	-	-
2-Methylphenol	-	10 U	-	-
2-Nitroaniline	-	10 U	-	-
2-Nitrophenol	-	10 U	-	-
3,3-Dichlorobenzidine	-	10 R	-	-
3-Nitroaniline	-	10 U	-	-
4,6-Dinitro-2-methylphenol	-	10 U	-	-
4-Bromophenyl phenyl ether	-	10 U	-	-
4-Chloro-3-methylphenol	-	10 U	-	-
4-Chloroaniline	-	10 U	-	-
4-Chlorophenyl phenyl ether	-	10 U	-	-
4-Methylphenol	-	-	-	-
4-Nitroaniline	-	10 U	-	-
4-Nitrophenol	-	10 U	-	-
Acenaphthene	20	1 U	1 U	1 U
Acenaphthylene	-	1 U	-	-
Acetophenone	-	10 U	-	-
Anthracene	-	1 U	1 U	1 U
Atrazine	-	10 U	-	-
Benzaldehyde	-	10 U	-	-
Benzo(a)anthracene	-	1 U	1 U	1 U
Benzo(a)pyrene	-	1 U	1 U	1 U
Benzo(b)fluoranthene	-	1 U	1 U	1 U
Benzo(g,h,i)perylene	-	1 UJ	1 UJ	1 UJ
Benzo(k)fluoranthene	-	10 U	1 U	1 U
Biphenyl	-	10 U	-	-
bis(2-Chloroethoxy)methane	-	10 U	-	-
bis(2-Chloroethyl)ether	-	10 U	-	-
bis(2-Ethylhexyl)phthalate	5	10 U	-	-

TABLE V - SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
TIOGA AVENUE BCP SITE
CORNING, NEW YORK

LOCATION		B-251-MW	B-252-MW	B-252-MW
SAMPLE DATE		11/4/2009	11/6/2009	11/6/2009
SAMPLE TYPE		N	FD	N
SAMPLE ID	**TOGS 1.1.1.**	B251-MW-110409	DUP-2-110609	B252-MW-110609
Butyl benzylphthalate	-	10 U	-	-
Caprolactam	-	10 U	-	-
Carbazole	-	10 U	-	-
Chrysene	-	10 U	1 U	1 U
Dibenzo(a,h)anthracene	-	10 UJ	1 UJ	1 UJ
Dibenzofuran	-	10 U	-	-
Diethyl phthalate	-	10 U	-	-
Dimethyl phthalate	-	10 U	-	-
Di-n-butylphthalate	-	10 U	-	-
Di-n-octyl phthalate	-	10 U	-	-
Fluoranthene	-	10 U	1 U	1 U
Fluorene	50	10 U	1 U	1 U
Hexachlorobenzene	-	10 U	-	-
Hexachlorobutadiene	-	10 U	-	-
Hexachlorocyclopentadiene	-	10 U	-	-
Hexachloroethane	-	10 U	-	-
Indeno(1,2,3-cd)pyrene	-	10 UJ	1 UJ	1 UJ
Isophorone	-	10 U	-	-
Naphthalene	-	10 U	-	-
Nitrobenzene	-	10 U	-	-
N-Nitrosodi-n-propylamine	-	10 U	-	-
N-Nitrosodiphenylamine	-	10 U	-	-
Pentachlorophenol	-	10 U	-	-
Phenanthrene	50	10 U	1 U	1 U
Phenol	-	10 U	-	-
Pyrene	-	10 U	1 U	1 U
Volatile Organic Compounds (µg/L)				
1,1,1-Trichloroethane	5	1 U	2.1	2.5
1,1,2,2-Tetrachloroethane	-	1 U	1 U	1 U
1,1,2-Trichloroethane	-	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U
1,1-Dichloroethene	-	1 U	1 U	1 U
1,2,3-Trichlorobenzene	-	1 U	1 U	1 U
1,2,4-Trichlorobenzene	-	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane (DBCP)	-	5 U	5 U	5 U
1,2-Dibromoethane	-	1 U	1 U	1 U
1,2-Dichlorobenzene	-	1 U	1 U	1 U
1,2-Dichloroethane	-	1 U	1 U	1 U
1,2-Dichloropropane	-	1 U	1 U	1 U
1,3-Dichlorobenzene	-	1 U	1 U	1 U
1,4-Dichlorobenzene	-	1 U	1 U	1 U
2-Butanone	-	10 U	10 U	10 U
2-Hexanone	-	10 U	10 U	10 U
4-Methyl-2-pentanone	-	10 U	10 U	10 U
Acetone	50	50 U	50 U	50 U
Benzene	-	1 U	1 U	1 U
Bromodichloromethane	-	1 U	1 U	1 U
Bromoform	-	1 U	1 U	1 U
Bromomethane	-	5 U	5 U	5 U
Carbon disulfide	-	1 U	1 U	1 U

TABLE V - SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
TIOGA AVENUE BCP SITE
CORNING, NEW YORK

LOCATION		B-251-MW	B-252-MW	B-252-MW
SAMPLE DATE		11/4/2009	11/6/2009	11/6/2009
SAMPLE TYPE		N	FD	N
SAMPLE ID	**TOGS 1.1.1.**	B251-MW-110409	DUP-2-110609	B252-MW-110609
Carbon tetrachloride	-	1 U	1 U	1 U
Chlorobenzene	-	1 U	1 U	1 U
Chlorobromomethane	-	1 U	1 U	1 U
Chloroethane	-	9.7	5 U	5 U
Chloroform	7	5 U	5 U	5 U
Chloromethane	-	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	-	1 U	1 U	1 U
cis-1,3-Dichloropropene	-	1 U	1 U	1 U
Cyclohexane	-	1.9	1 U	1 U
Dibromochloromethane	-	1 U	1 U	1 U
Dichlorodifluoromethane (CFC-12)	-	5 U	5 U	5 U
Ethylbenzene	-	1 U	1 U	1 U
Isopropylbenzene	5	**8.2**	1 U	1 U
Methyl acetate	-	20 U	20 U	20 U
Methyl cyclohexane	-	5.5	1 U	1 U
Methyl tert butyl ether (MTBE)	-	1 U	1 U	1 U
Methylene chloride	-	5 U	5 U	5 U
Styrene	-	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1 U	1 U
Toluene	5	5 U	5 U	5 U
trans-1,2-Dichloroethene	-	1 U	1 U	1 U
trans-1,3-Dichloropropene	-	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U
Trichlorofluoromethane (CFC-11)	5	5 U	5 U	5 U
Trifluorotrichloroethane (Freon 113)	-	1 U	1 U	1 U
Vinyl chloride	-	1 U	1 U	1 U
Xylenes (total)	-	3 U	3 U	3 U

Notes and Abbreviations:

1. Criteria based on Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations

Bold - Exceeds TOGS 1.1.1. Criteria

2. U - Indicates chemical was not detected above the reporting limit.

J - Estimated result
R - Result was rejected by validator

3. Sample Types: N - Normal Samples, FD - Field Duplicate

4. Table from Report on Remedial Investigations & Recommended Remedial Actions for the Tioga Avenue Site Table III (Haley & Aldrich 2010).

APPENDIX A

ENVIRONMENTAL EASEMENT

Judith M. Hunter, County Clerk
3 East Pulteney Square
Bath, NY 14810
(607) 776-9631

Steuben County Clerk Recording Cover Sheet

Received From :
CHICAGO TITLE
10 W PULTENEY SQ SUITE 104
BATH, NY 14810

Return To :
CORNING INCORPORATED
ATTN LINDA HOUSER
ONE RIVERFRONT PLAZA
CORNING, NY 14831

First GRANTOR
CORNING PROPERTY MANAGEMENT CORPORATION

First GRANTEE
NYS PEOPLE

Index Type : Deeds

Book : 2377 **Page :** 75

Type of Instrument : Easements

Type of Transaction : Miscellaneous Deed Item W/ Tp584

Recording Fee : $105.00

Recording Pages : 12

Real Estate Transfer Tax

RETT # : 2265

Deed Amount : $0.00

RETT Amount : $0.00

Total Fees : $105.00

State of New York

County of Steuben

I hereby certify that the within and foregoing was recorded in the Clerk's office for Steuben County, New York

On (Recorded Date) : 03/16/2012

At (Recorded Time) : 9:59:09 AM

Doc ID - 005940860012

Judith M. Hunter, County Clerk

This sheet constitutes the Clerks endorsement required by Section 319 of Real Property Law of the State of New York and conforms to Steuben County Local Law # 10 of 2003. DO NOT DETACH

Printed On : 03/16/2012 At : 09:59:10AM

(11) Chicago 95+5

Return To: Linda Houser Corning Incorporated One Riverfront Plaza Corning, NY 14831

A

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 5th day of March, 2012, between Owner(s) Corning Property Management Corporation, having an office at One Riverfront Plaza, Corning, NY 14831, County of Steuben, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233.

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of East Tioga Avenue (Fall Brook Site, of former address numbers 213, 219 and 239) in the City of Corning, County of Steuben and State of New York, known and designated on the tax map of the County Clerk of Steuben as tax map parcel numbers: Section 318.10 Block 1 Lot 1.1, being the same as that property conveyed to Grantor by deed dated January 29, 2002 and recorded in the Steuben County Clerk's Office in Liber 1755 at Page 80. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 14.183 +/- acres, and is hereinafter more fully described in the Land Title Survey dated April 18, 2011 prepared by Weiler Associates, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of BCA Index No. B8-0767-08-01, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement")

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP.

(4) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(5) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(6) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(7) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.

(8) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

(9) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall annually, or such time as NYSDEC may allow, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved b the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5 the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: C 851031
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Grantor: Corning Property Management Corporation

By: _____

Print Name: Richard T. Weakland

Title: President Date: _____

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF STEUBEN)

On the 2nd day of March, in the year 20 12, before me, the undersigned, personally appeared Richard T. Weakland, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

LINDA K. HOUSER
Notary Public - State of New York
Qualified in Chemung County & Steuben Co.
01HO6022311
Commission expires March 29, 2015

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner.

By: _____
Robert W. Schick, Acting Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 8th day of March, in the year 2012, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2014

SCHEDULE "A" PROPERTY DESCRIPTION

Address: East Tioga Avenue (former address numbers 213, 219 and 239), Corning, NY

Tax Map: 318.10 – 1 – 1.1

OVERALL PARCEL DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Corning, County of Steuben and State of New York, bounded and described as follows:

Beginning at the intersection of the westerly boundary of Steuben Street and the northerly boundary of East Tioga Avenue;

Thence N. 75°59'40"W., along said northerly boundary of East Tioga Avenue a distance of 2,590.23 feet to a point;

Thence, along the southeasterly and easterly boundaries of lands now or formerly Of "The City of Corning Urban Renewal Agency"(see Liber 961 of Deeds, Page 975), the following five (5) courses:

1. S. 80°50'53"E., a distance of 62.52 feet to a point;
2. S. 86°30'26"E., a distance of 58.70 feet to a point;
3. N. 32°38'47"E., a distance of 18.30 feet to a point;
4. S. 85°05'27"E., a distance of 63.00 feet to a point;
5. N. 10°05'13"E., a distance of 80.91 feet to the southerly edge of the Chemung River;

Thence, along said southerly edge of the Chemung River, the following thirteen (13) courses:

1. S. 80°09'14"E., a distance of 8.08 feet to a point;
2. S. 63°12'59"E., a distance of 125.25 feet to a point;
3. S. 82°38'33"E., a distance of 75.02 feet to a point;
4. N. 88°56'08"E., a distance of 226.88 feet to a point;
5. N. 89°18'01"E., a distance of 136.82 feet to a point;
6. S. 87°06'02 E., a distance of 169.98 feet to a point;
7. N. 82°50'37"E., a distance of 222.16 feet to a point;
8. N. 87°21'31"E., a distance of 142.17 feet to a point;
9. N. 83°03'08"E., a distance of 197.14 feet to a point;
10. N. 74°11'33"E., a distance of 85.73 feet to a point;
11. N. 77°52'58"E., a distance of 142.81 feet to a point;
12. N. 67°36'19"E., a distance of 334.14 feet to a point;
13. N. 53°55'17"E., a distance of 20.16 feet to a point;

Thence, along the boundaries of lands now or formerly of "Corning Consumer Products Company"(see Liber 1327 of Deeds, Page 237 and Liber 1343 of Deeds, Page 106), the following six (6) courses:

1. S. 27°35'20"E., a distance of 255.36 feet to a point;
2. S. 69°56'09"E., a distance of 47.42 feet to a point;
3. S. 00°53'10"W., a distance of 91.02 feet to a point;
4. S. 75°30'09"E., a distance of 205.60 feet to a point;
5. N. 15°17'01"E., a distance of 64.75 feet to a point;
6. S. 74°22'03"E., a distance of 226.52 feet to a point on the aforesaid westerly boundary of Steuben Street;

Thence S. 13°47'10"W., along said westerly boundary of Steuben Street a distance of 514.65 feet to the point or place of beginning;

Being 21.15 acres of land, more or less.

ENVIRONMENTAL EASEMENT
DESCRIPTION BCP SITE #C851031

"Intending to describe part of property conveyed by Deed dated January 29, 2002 and recorded in the Steuben County Clerk's Office in Liber 1755 at Page 80".

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Corning, County of Steuben and State of New York, bounded and described as follows:

Beginning at a point on the westerly boundary of Steuben Street, +/- 19.5 feet northerly from the intersection of said street boundary with the northerly boundary of Tioga Avenue;

Thence through the lands of Corning Property Management Corp. (see Liber 1755 of Deeds, page 80 in the Steuben County Clerk's Office) the following 12 courses and distances:

1. N. 76°14'20"W., a distance of 1065.96 feet;
2. N. 82°02'15"W., a distance of 67.94 feet;
3. N. 75°16'06"W., a distance of 377.07 feet;
4. N. 14°13'06"E., a distance of 149.12 feet;
5. N. 84°14'08"E., a distance of 111.21 feet;
6. N. 83°03'50"E., a distance of 121.05 feet;
7. N. 80°45'52"E., a distance of 102.25 feet;
8. N. 77°21'08"E., a distance of 119.71 feet;
9. N. 79°26'04"E., a distance of 113.74 feet;
10. N. 79°07'04"E., a distance of 125.44 feet;
11. N. 70°32'13"E., a distance of 116.40 feet;
12. N. 63°21'48"E., a distance of 238.59 feet to a point on the westerly boundary of lands of WKI Holding Company, Inc. (see Liber 1719 of Deeds, page 164 in said Steuben County Clerk's Office);

Thence along the last mentioned boundary the following 6 courses and distances:

1. S. 27°35'20"E., a distance of 139.78 feet;
2. S. 69°56'09"E., a distance of 47.42 feet;
3. S. 00°53'10"W., a distance of 91.02 feet;
4. S. 75°30'09"E., a distance of 205.60 feet;
5. N. 15°17'01"E., a distance of 64.75 feet;
6. S. 74°22'03"E., a distance of 226.52 feet to a point on said westerly boundary of Steuben Street;

Thence S. 13°47'10"W., along said Steuben Street a distance of 495.17 feet to the Point or Place of Beginning;

Being 14.183 acres of land, more or less.

LIMITS OF AREA WHERE A LOW PERMEABILITY COVER IS REQUIRED TO BE MAINTAINED UNLESS FILL SOILS ARE REMOVED AS SPECIFIED IN THE SITE MANAGEMENT PLAN

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Corning, County of Steuben and State of New York, bounded and described as follows:

Beginning at a point on the westerly boundary of Steuben Street, 411.95 feet northerly from the intersection of said street boundary with the northerly boundary of Tioga Avenue;

Thence through the lands of Corning Property Management Corp. (see Liber 1755 of Deeds, page 80 in the Steuben County Clerk's Office) the following 30 courses and distances:

1. N. 76°01'34"W., along the southerly face of a railroad building, a distance of 165.92 feet;
2. S. 13°58'26"W., a distance of 56.10 feet;
3. S. 64°05'11"W., a distance of 112.27 feet;
4. N. 61°38'58"W., a distance of 95.95 feet;
5. S. 72°11'02"W., a distance of 120.41 feet;
6. N. 65°35'24"W, a distance of 217.71 feet;
7. N. 77°03'54"W., a distance of 154.48 feet;
8. S. 60°45'08"W., a distance of 173.94 feet;
9. N. 10°33'13"E., a distance of 138.57 feet;
10. N. 48°48'19"E., a distance of 98.70 feet;
11. S. 75°42'25"E., a distance of 150.10 feet;
12. N. 14°38'24"E., a distance of 39.57 feet;
13. S. 75°53'29"E., along the southerly side of a railroad spur, a distance of 287.02 feet;
14. S. 76°24'08"E., continuing along the southerly side of said railroad spur, a distance of 259.97 feet to the west face of the above said railroad building;
15. N. 13°45'04"E., along said building, a distance of 17.26 feet;
16. N. 76°20'57"W., along the northerly side of railroad spurs, a distance of 357.62 feet;
17. N. 13°55'09"E., continuing along said spur, a distance of 18.04 feet;
18. N. 73°43'50"W., continuing along said spur, a distance of 64.93 feet;
19. N. 00°00'00"E., continuing along said spur, a distance of 15.51 feet;
20. N. 83°35'07"W., continuing along said spur, a distance of 216.39 feet;
21. N. 88°53{\fArial|b0|i0|c0|p34;'}12"W., continuing along said spur, a distance of 43.33 feet;
22. N. 79°07'04"E., a distance of 8.26 feet;
23. N. 70°32'13"E., a distance of 116.40 feet to a point on the westerly side of an electrical sub-station;
24. S. 19°16'33"E., along said sub-station, a distance of 32.53 feet;
25. S. 89°17'43"E., along said sub-station, a distance of 54.59 feet;
26. N. 25°57'20"W., along said sub-station, a distance of 11.07 feet;
27. N. 56°55'29"E., along said sub-station, a distance of 15.75 feet;
28. N. 63°58'19"E., along said sub-station, a distance of 36.79 feet;
29. N. 26°03'04"W., along said sub-station, a distance of 44.90 feet;
30. N. 63°21'48"E., a distance of 141.17 feet to a point on the westerly boundary of lands of WKI Holding Company, Inc. (see Liber 1719 of Deeds, page 164 in said Steuben County Clerk's Office);

Thence along the last mentioned boundary the following 5 courses and distances:

1. S. 27°35'20"E., a distance of 139.78 feet;
2. S. 69°56'09"E., a distance of 47.42 feet;
3. S. 00°53'10"W., a distance of 91.02 feet;
4. S. 75°30'09"E., a distance of 205.60 feet;
5. N.15°17'01"E., a distance of 25.98 feet;

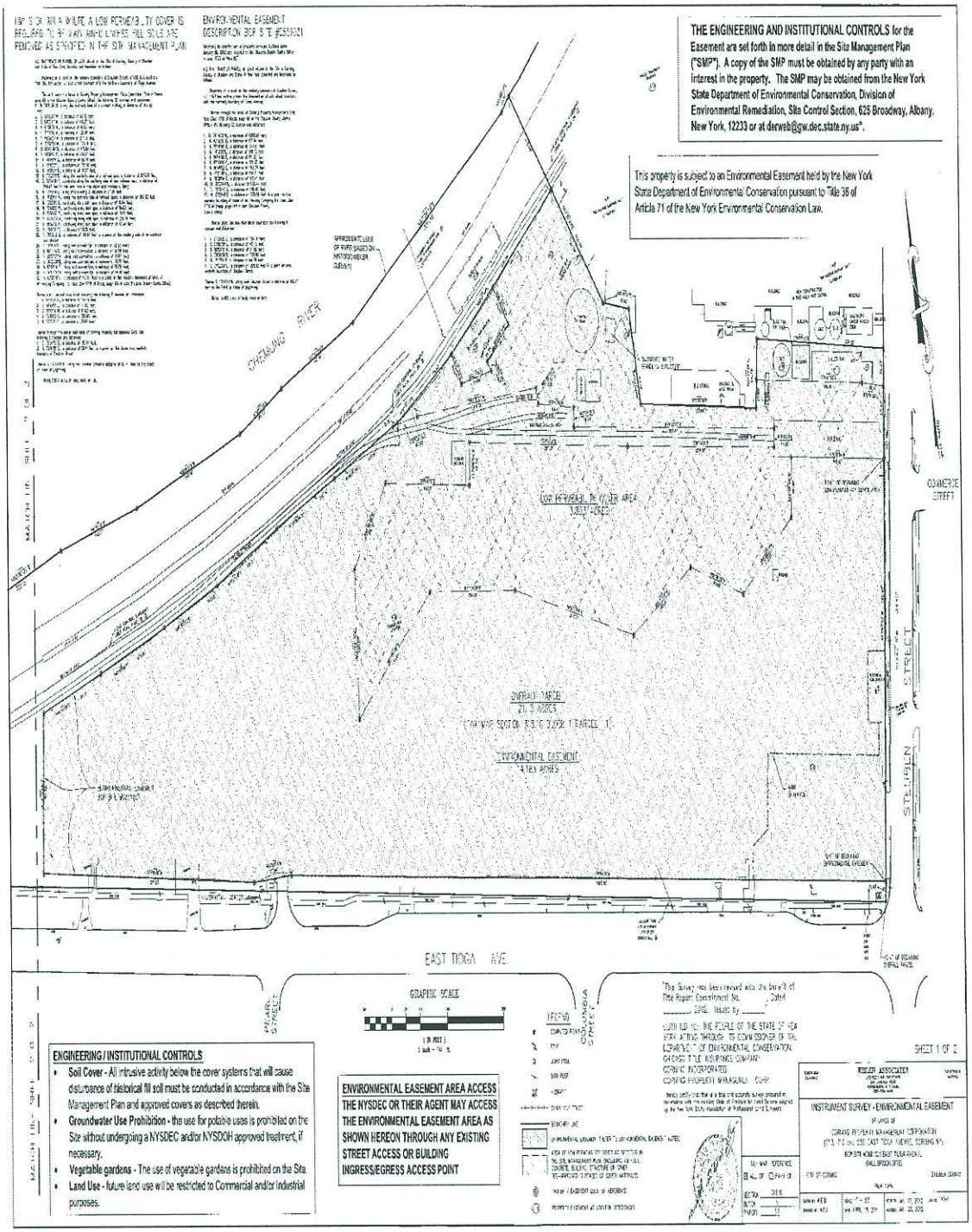
Thence through the above said lands of Corning Property Management Corp. the following 2 courses and distances:

1. S. 75°54'53"E., a distance of 189.41 feet;
2. S. 72°01'28"E., a distance of 38.11 feet to a point on the above westerly boundary of Steuben Street;

Thence S. 13°47'10"W., along said Steuben Street a distance of 67.47 feet to the Point or Place of Beginning;
Being 3.803 acres of land, more or less.

[6/11]

SURVEY


THE ENGINEERING AND INSTITUTIONAL CONTROLS for the Easement are set forth in more detail in the Site Management Plan ("SMP"). A copy of the SMP must be obtained by any party with an interest in the property. The SMP may be obtained from the New York State Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, New York, 12233 or at derweb@gw.dec.state.ny.us".
This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law.
ENVIRONMENTAL EASEMENT DESCRIPTION
OVERALL PARCEL 21.5 ACRES
ENVIRONMENTAL EASEMENT 4 ACRES
EAST TIOGA AVE
COMMERCE STREET
STEUBEN STREET
ENGINEERING / INSTITUTIONAL CONTROLS
Soil Cover - All intrusive activity below the cover systems that will cause disturbance of historical fill soil must be conducted in accordance with the Site Management Plan and approved covers as described therein.
Groundwater Use Prohibition - the use for potable uses is prohibited on the Site without undergoing a NYSDEC and/or NYSDOH approved treatment, if necessary.
Vegetable gardens - The use of vegetable gardens is prohibited on the Site.
Land Use - future land use will be restricted to Commercial and/or Industrial purposes.
ENVIRONMENTAL EASEMENT AREA ACCESS
THE NYSDEC OR THEIR AGENT MAY ACCESS THE ENVIRONMENTAL EASEMENT AREA AS SHOWN HEREON THROUGH ANY EXISTING STREET ACCESS OR BUILDING INGRESS/EGRESS ACCESS POINT
GRAPHIC SCALE
INSTRUMENT SURVEY - ENVIRONMENTAL EASEMENT
SHEET 1 OF 2

Policy No: 1114-25014

OWNER'S POLICY OF TITLE INSURANCE

Issued by

CHICAGO TITLE INSURANCE COMPANY

Any notice of claim and any other notice or statement in writing required to be given the Company under this Policy must be given to the Company at the address shown in Section 18 of the Conditions.

COVERED RISKS

SUBJECT TO THE EXCLUSIONS FROM COVERAGE, THE EXCEPTIONS FROM COVERAGE CONTAINED IN SCHEDULE B, AND THE CONDITIONS, CHICAGO TITLE INSURANCE COMPANY, a Nebraska corporation (the Company) insures, as of Date of Policy and, to the extent stated in Covered Risks 9 and 10, after Date of Policy, against loss or damage, not exceeding the Amount of Insurance, sustained or incurred by the Insured by reason of:

1. Title being vested other than as stated in Schedule A.
2. Any defect in or lien or encumbrance on the Title. This Covered Risk includes but is not limited to insurance against loss from
   (a) A defect in the Title caused by
      (i) forgery, fraud, undue influence, duress, incompetency, incapacity, or impersonation;
      (ii) failure of any person or Entity to have authorized a transfer or conveyance;
      (iii) a document affecting Title not properly created, executed, witnessed, sealed, acknowledged, notarized, or delivered;
      (iv) failure to perform those acts necessary to create a document by electronic means authorized by law;
      (v) a document executed under a falsified, expired, or otherwise invalid power of attorney;
      (vi) a document not properly filed, recorded, or indexed in the Public Records including failure to perform those acts by electronic means authorized by law; or
      (vii) a defective judicial or administrative proceeding.
   (b) The lien of real estate taxes or assessments imposed on the Title by a governmental authority due or payable, but unpaid.
   (c) Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land. The term "encroachment" includes encroachments of existing improvements located on the Land onto adjoining land, and encroachments onto the Land of existing improvements located on adjoining land.
3. Unmarketable Title.
4. No right of access to and from the Land.
5. The violation or enforcement of any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (a) the occupancy, use, or enjoyment of the Land;
   (b) the character, dimensions, or location of any improvement erected on the Land;

Policy No: 1114-25014

(c) the subdivision of land; or

(d) environmental protection

if a notice, describing any part of the Land, is recorded in the Public Records setting forth the violation or intention to enforce, but only to the extent of the violation or enforcement referred to in that notice.

6. An enforcement action based on the exercise of a governmental police power not covered by Covered Risk 5 if a notice of the enforcement action, describing any part of the Land, is recorded in the Public Records, but only to the extent of the enforcement referred to in that notice.
7. The exercise of the rights of eminent domain if a notice of the exercise, describing any part of the Land, is recorded in the Public Records.
8. Any taking by a governmental body that has occurred and is binding on the rights of a purchaser for value without Knowledge.
9. Title being vested other than as stated Schedule A or being defective

   (a) as a result of the avoidance in whole or in part, or from a court order providing an alternative remedy, of a transfer of all or any part of the title to or any interest in the Land occurring prior to the transaction vesting Title as shown in Schedule A because that prior transfer constituted a fraudulent or preferential transfer under federal bankruptcy, state insolvency, or similar creditors' rights laws; or

   (b) because the instrument of transfer vesting Title as shown in Schedule A constitutes a preferential transfer under federal bankruptcy, state insolvency, or similar creditors' rights laws by reason of the failure of its recording in the Public Records

      (i) to be timely, or

      (ii) to impart notice of its existence to a purchaser for value or to a judgment or lien creditor.
10. Any defect in or lien or encumbrance on the Title or other matter included in Covered Risks 1 through 9 that has been created or attached or has been filed or recorded in the Public Records subsequent to Date of Policy and prior to the recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The Company will also pay the costs, attorneys' fees, and expenses incurred in defense of any matter insured against by this Policy, but only to the extent provided in the Conditions.

IN WITNESS WHEREOF, CHICAGO TITLE INSURANCE COMPANY has caused this policy to be signed and sealed by its duly authorized officers.

Issued by:
CHICAGO TITLE INSURANCE COMPANY
10 W. PULTENEY SQ. #104
BATH, NY 14810
Tel (607)776-7866 Fax (607)776-5198

CHICAGO TITLE INSURANCE COMPANY

By: Raymond R. Quirk
President

By: Michael L. Gravelle
Secretary

Countersigned

Authorized Signatory

Issued by

CHICAGO TITLE INSURANCE COMPANY

ENDORSEMENT

STANDARD NEW YORK ENDORSEMENT
(OWNER'S POLICY)

Attached to and made a part of Policy Number: 1114-25014

The following is added as a Covered Risk:

"11. Any statutory lien for services, labor or materials furnished prior to the date hereof, and which has now gained or which may hereafter gain priority over the estate or interest of the insured as shown in Schedule A of this policy."

1. Exclusion Number 5 is deleted, and the following is substituted:

   5. Any lien on the Title for real estate taxes, assessments, water charges or sewer rents imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as Shown in Schedule A.

This endorsement is issued as part of the policy. Except as it expressly states, it does not (i) modify any of the terms and provisions of the policy, (ii) modify any prior endorsements, (iii) extend the Date of Policy, or (iv) increase the Amount of Insurance. To the extent a provision of the policy or a previous endorsement is inconsistent with an express provision of this endorsement, this endorsement controls. Otherwise, this endorsement is subject to all of the terms and provisions of the policy and of any prior endorsements.

Dated: April 12, 2012

Reference Information:

Buy/Borr: The People of the State of New York,

Seller:

Lender:

Prop: East Tioga Avenue (Fall Brook Site), Corning, New York (Steuben County)

CHICAGO TITLE INSURANCE COMPANY

By:

Raymond R. Quirk
President

By:

Michael L. Gravelle
Secretary

Authorized Signatory

Note: This endorsement shall not be valid or binding until countersigned by an authorized signatory.

STANDARD NEW YORK ENDORSEMENT (11/1/08)
FOR USE WITH ALTA OWNER'S POLICY (6-17-06)

8N07SO 9/08 KMS LJL CEG 04/25/12 14:09:08

Issued By:
CHICAGO TITLE INSURANCE COMPANY

Schedule A

OWNER'S POLICY OF TITLE INSURANCE
ALTA OWNER'S POLICY (6/17/06) NNY

No: 1114-25014

Date of Policy: April 12, 2012

Amount of Insurance: $35,000.00

1. Name of Insured:

** SEE NEXT PAGE **

2. The estate or interest in the land which is covered by this Policy is:

   ENVIRONMENTAL EASEMENT

3. Title to the estate or interest in the land is vested in the Insured.

4. The land herein described is encumbered by the following mortgage or trust deed, and assignments:

   and the mortgages or trust deeds, if any, shown in Schedule B hereof.

5. The land referred to in this Policy is known as:

   Address: East Tioga Avenue (Fall Brook Site)
   City/Town: Corning
   County: Steuben
   State: NY
   Lot No.: 318.10-01-001.100
   Subdivision:

   (Legal Description Continued on Attached Page)

This Policy valid only if Schedule B is attached.

OWNER'S POLICY OF TITLE INSURANCE
ALTA OWNER'S POLICY (6/17/06) NNY

No: 1114-25014

1. Name of Insured:

The People of the State of New York, acting through their Commissioner of the Department of Environmental Conservation by Environmental Easement made by Corning Property Management Corporation to The People of the State of New York, acting through their Commissioner of the Department of Environmental Conservation dated March 8, 2012 and recorded March 16, 2012 in Liber 2377 of Deeds at page 75.

Verification of Proof of Service of Filing of Notice of Environmental Easement verified April 11, 2012 and recorded April 12, 2012 in Liber 2381 at page 84.

OWNER'S POLICY OF TITLE INSURANCE
ALTA OWNER'S POLICY (6/17/06) NNY

No: 1114-25014

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Corning, County of Steuben and State of New York, bounded and described as follows:

Beginning at a point on the westerly boundary of Steuben Street, +/- 19.5' feet northerly from the Intersection of said street boundary with the northerly boundary of Tioga Avenue;

Thence through the lands of Corning Property Management Corp. (see Liber 1755 of Deeds, page 80 in the Steuben County Clerk's Office) the following 12 courses and distances:

1. N. 76° 14' 20" W., a distance of 1065.96 feet;
2. N. 82° 02' 15" W., a distance of 67.94 feet;
3. N. 75° 16' 06" W., a distance of 377.07 feet;
4. N. 14° 13' 06" E., a distance of 149.12 feet;
5. N. 84° 14' 08" E., a distance of 111.21 feet;
6. N. 83° 03' 50" E., a distance of 121.05 feet;
7. N. 80° 45' 52" E., a distance of 102.25 feet;
8. N. 77° 21' 08" E., a distance of 119.71 feet;
9. N. 79° 26' 04" E., a distance of 113.74 feet;
10. N. 79° 07' 04" E., a distance of 125.44 feet;
11. N. 70° 32' 13" E., a distance of 116.40 feet;
12. N. 63° 21' 48" E., a distance of 238.59 feet to a point on the westerly boundary of lands of WKI Holding Company, Inc. (see Liber 1719 of Deeds, page 164 in said Steuben County Clerk's Office);

Thence along the last mentioned boundary the following 6 courses and distances:

1. S. 27° 35' 20" E., a distance of 139.78 feet;
2. S. 69° 56' 09" E., a distance of 47.42 feet;
3. S. 00° 53' 10" W., a distance of 91.02 feet;
4. S. 75° 30' 09" E., a distance of 205.60 feet;
5. N. 15° 17' 01" E., a distance of 64.75 feet;
6. S. 74° 22' 03" E. a distance of 226.52 feet to a point on said westerly boundary of Steuben Street;

Thence S. 13° 47' 10" W., along said Steuben Street a distance of 495.17 feet to the Point or Place of Beginning.

Issued By:
CHICAGO TITLE INSURANCE COMPANY

Schedule B

OWNER'S POLICY OF TITLE INSURANCE
ALTA OWNER'S POLICY (6/17/06) NNY

No: 1114-25014

This Policy does not insure against loss or damage (and the Company will not pay costs, legal fees, or expenses) which arise by reason of the following items, and the mortgage, if any referred to in Item 4 of Schedule A.

B 1. The survey shows the premises burdened by the insured Environmental Easement and shows nothing adverse to the provisions and use of the easement on the premises.

C 2. State of New York Department of Public Works Flood Control Projects between Corning Glass Works and State Department of Public Works dated August 31, 1943 and recorded September 21, 1943 in Liber 434K of Deeds at page 38.

There are numerous agreements affecting the premises burdened by the Insured Environmental Easement but policy insures there are no provisions contained therein by which the Insured's Environmental Easement interest can be cut off or disturbed.

D 3. The easement granted to New York State Electric & Gas Corporation and recorded in Liber 931 of Deeds at page 688 on June 21, 1973.

There are numerous agreements affecting the premises burdened by the Insured Environmental Easement but policy insures there are no provisions contained therein by which the Insured's Environmental Easement interest can be cut off or disturbed.

F 4. The cross easement agreement granted to Corning Vitro Corporation and recorded in Liber 1343 of Deeds at page 100 on May 22, 1992.

There are numerous agreements affecting the premises burdened by the Insured Environmental Easement but policy insures there are no provisions contained therein by which the Insured's Environmental Easement interest can be cut off or disturbed.

J 5. Note:

Notice of Environmental Easement has been served to the following parties: New York State Electric & Gas Corporation, James A. Carrigg Center, 18 Link Drive, Binghamton, NY 13904; World Kitchen LLC, 5500 Pearl St., Rosemont, IL 60018; NYS-DPW, US Army Corp of Engineers, City of Corning Office, 1 Nasser Civic Center Plaza, Corning, NY 14830; New York State Department of Environmental Conservation, 100 North Main Street, Suite 104, Elmira, New York 14901 as per Affidavit of Service by Mail dated April 12, 2012 and recorded in Liber 2381 at page 84.

Issued By:

CHICAGO TITLE INSURANCE COMPANY

Signature Page

OWNER'S POLICY OF TITLE INSURANCE
ALTA OWNER'S POLICY (6/17/06) NNY

No: 1114-25014

Countersigned

Authorized Signatory

Effective Date: 5/1/2008

Fidelity National Financial, Inc.
Privacy Statement

Fidelity National Financial, Inc. and its subsidiaries ("FNF") respect the privacy and security of your non-public personal information ("Personal Information") and protecting your Personal Information is one of our top priorities. This Privacy Statement explains FNF's privacy practices, including how we use the Personal Information we receive from you and from other specified sources, and to whom it may be disclosed. FNF follows the privacy practices described in this Privacy Statement and, depending on the business performed, FNF companies may share information as described herein.

Personal Information Collected

We may collect Personal Information about you from the following sources:

- Information we receive from you on applications or other forms, such as your name, address, social security number, tax identification number, asset information, and income information;
- Information we receive from you through our Internet websites, such as your name, address, email address, Internet Protocol address, the website links you used to get to our websites, and your activity while using or reviewing our websites;
- Information about your transactions with or services performed by us, our affiliates, or others, such as information concerning your policy, premiums, payment history, information about your home or other real property, information from lenders and other third parties involved in such transaction, account balances, and credit card information; and
- Information we receive from consumer or other reporting agencies and publicly recorded documents.

Disclosure of Personal Information

We may provide your Personal Information (excluding information we receive from consumer or other credit reporting agencies) to various individuals and companies, as permitted by law, without obtaining your prior authorization. Such laws do not allow consumers to restrict these disclosures. Disclosures may include, without limitation, the following:

- To insurance agents, brokers, representatives, support organizations, or others to provide you with services you have requested, and to enable us to detect or prevent criminal activity, fraud, material misrepresentation, or nondisclosure in connection with an insurance transaction;
- To third-party contractors or service providers for the purpose of determining your eligibility for an insurance benefit or payment and/or providing you with services you have requested;
- To an insurance regulatory authority, or a law enforcement or other governmental authority, in a civil action, in connection with a subpoena or a governmental investigation;
- To companies that perform marketing services on our behalf or to other financial institutions with which we have joint marketing agreements and/or
- To lenders, lien holders, judgment creditors, or other parties claiming an encumbrance or an interest in title whose claim or interest must be determined, settled, paid or released prior to a title or escrow closing.

We may also disclose your Personal Information to others when we believe, in good faith, that such disclosure is reasonably necessary to comply with the law or to protect the safety of our customers, employees, or property and/or to comply with a judicial proceeding, court order or legal process.

Disclosure to Affiliated Companies - We are permitted by law to share your name, address and facts about your transaction with other FNF companies, such as insurance companies, agents, and other real estate service providers to provide you with services you have requested, for marketing or product development research, or to market products or services to you. We do not, however, disclose information we collect from consumer or credit reporting agencies with our affiliates or others without your consent, in conformity with applicable law, unless such disclosure is otherwise permitted by law.

Disclosure to Nonaffiliated Third Parties - We do not disclose Personal Information about our customers or former customers to nonaffiliated third parties, except as outlined herein or as otherwise permitted by law.

Confidentiality and Security of Personal Information

We restrict access to Personal Information about you to those employees who need to know that information to provide products or services to you. We maintain physical, electronic, and procedural safeguards that comply with federal regulations to guard Personal Information.

Access to Personal Information/
Requests for Correction, Amendment, or Deletion of Personal Information

As required by applicable law, we will afford you the right to access your Personal Information, under certain circumstances to find out to whom your Personal Information has been disclosed, and request correction or deletion of your Personal Information. However, FNF's current policy is to maintain customers' Personal Information for no less than your state's required record retention requirements for the purpose of handling future coverage claims.

For your protection, all requests made under this section must be in writing and must include your notarized signature to establish your identity. Where permitted by law, we may charge a reasonable fee to cover the costs incurred in responding to such requests. Please send requests to:

Chief Privacy Officer
Fidelity National Financial, Inc.
601 Riverside Avenue
Jacksonville, FL 32204

Changes to this Privacy Statement

This Privacy Statement may be amended from time to time consistent with applicable privacy laws. When we amend this Privacy Statement, we will post a notice of such changes on our website. The effective date of this Privacy Statement, as stated above, indicates the last time this Privacy Statement was revised or materially changed.

Policy No: 1114-25014

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (i) the occupancy, use, or enjoyment of the Land;
   (ii) the character, dimensions or location of any improvement erected on the Land;
   (iii) the subdivision of land; or
   (iv) environmental protection;
   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters:
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
   (a) a fraudulent conveyance or fraudulent transfer; or
   (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

CONDITIONS

1. **DEFINITION OF TERMS**
   The following terms when used in this policy mean:
   (a) "Amount of Insurance": The amount stated in Schedule A, as may be increased or decreased by endorsement to this policy, increased by Section 8(b), or decreased by Sections 10 and 11 of these Conditions.
   (b) "Date of Policy": The date designated as "Date of Policy" in Schedule A.
   (c) "Entity": A corporation, partnership, trust, limited liability company, or other similar legal entity.
   (d) "Insured": The Insured named in Schedule A.
      (i) The term "Insured" also includes
         (A) successors to the Title of the Insured by operation of law as distinguished from purchase, including heirs, devisees, survivors, personal representatives, or next of kin;
         (B) successors to an Insured by dissolution, merger, consolidation, distribution, or reorganization;
         (C) successors to an Insured by its conversion to another kind of Entity;
         (D) a grantee of an Insured under a deed delivered without payment of actual valuable consideration conveying the Title
            (1) if the stock, shares, memberships, or other equity interests of the grantee are wholly-owned by the named Insured,
            (2) if the grantee wholly owns the named Insured,
            (3) if the grantee is wholly-owned by an affiliated Entity of the named Insured, provided the affiliated Entity and the named Insured are both wholly-owned by the same person or Entity, or
            (4) if the grantee is a trustee or beneficiary of a trust created by a written instrument established by the Insured named in Schedule A for estate planning purposes.
      (ii) With regard to (A), (B), (C), and (D) reserving, however, all rights and defenses as to any successor that the Company would have had against any predecessor Insured.
   (e) "Insured Claimant": An Insured claiming loss or damage.
   (f) "Knowledge" or "Known": Actual knowledge, not constructive knowledge or notice that may be imputed to an Insured by reason of the Public Records or any other records that impart constructive notice of matters affecting the Title.
   (g) "Land": The land described in Schedule A, and affixed improvements that by law constitute real property. The term "Land" does not include any property beyond the lines of the area described in Schedule A, nor any right, title, interest, estate, or easement in abutting streets, roads, avenues, alleys, lanes, ways, or waterways, but this does not modify or limit the extent that a right of access to and from the Land is insured by this policy.
   (h) "Mortgage": Mortgage, deed of trust, trust deed, or other security instrument, including one evidenced by electronic means authorized by law.
   (i) "Public Records": Records established under state statutes at Date of Policy for the purpose of imparting constructive notice of matters relating to real property to purchasers for value and without Knowledge. With respect to Covered Risk 5(d), "Public Records" shall also include environmental protection liens filed in the records of the clerk of the United States District Court for the district where the Land is located.
   (j) "Title": The estate or interest described in Schedule A.
   (k) "Unmarketable Title": Title affected by an alleged or apparent matter that would permit a prospective purchaser or lessee of the Title or lender on the Title to be released from the obligation to purchase, lease, or lend if there is a contractual condition requiring the delivery of marketable title.
2. **CONTINUATION OF INSURANCE**
   The coverage of this policy shall continue in force as of Date of Policy in favor of an Insured, but only so long as the Insured retains an estate or interest in the Land, or holds an obligation secured by a purchase money Mortgage given by a purchaser from the Insured, or only so long as the Insured shall have liability by reason of warranties in any transfer or conveyance of the Title. This policy shall not continue in force in favor of any purchaser from the Insured of either (i) an estate or interest in the Land, or (ii) an obligation secured by a purchase money Mortgage given to the Insured.

3. NOTICE OF CLAIM TO BE GIVEN BY INSURED CLAIMANT
The Insured shall notify the Company promptly in writing (i) in case of any litigation as set forth in Section 5(a) of these Conditions, (ii) in case Knowledge shall come to an Insured hereunder of any claim of title or interest that is adverse to the Title, as insured, and that might cause loss or damage for which the Company may be liable by virtue of this policy, or (iii) if the Title, as insured, is rejected as Unmarketable Title. If the Company is prejudiced by the failure of the Insured Claimant to provide prompt notice, the Company's liability to the Insured Claimant under the policy shall be reduced to the extent of the prejudice.

4. PROOF OF LOSS
In the event the Company is unable to determine the amount of loss or damage, the Company may, at its option, require as a condition of payment that the Insured Claimant furnish a signed proof of loss. The proof of loss must describe the defect, lien, encumbrance, or other matter insured against by this policy that constitutes the basis of loss or damage and shall state, to the extent possible, the basis of calculating the amount of the loss or damage.

5. DEFENSE AND PROSECUTION OF ACTIONS
(a) Upon written request by the Insured, and subject to the options contained in Section 7 of these Conditions, the Company, at its own cost and without unreasonable delay, shall provide for the defense of an Insured in litigation in which any third party asserts a claim covered by this policy adverse to the Insured. This obligation is limited to only those stated causes of action alleging matters insured against by this policy. The Company shall have the right to select counsel of its choice (subject to the right of the Insured to object for reasonable cause) to represent the Insured as to those stated causes of action. It shall not be liable for and will not pay the fees of any other counsel. The Company will not pay any fees, costs, or expenses incurred by the Insured in the defense of those causes of action that allege matters not insured against by this policy.
(b) The Company shall have the right, in addition to the options contained in Section 7 of these Conditions, at its own cost, to institute and prosecute any action or proceeding or to do any other act that in its opinion may be necessary or desirable to establish the Title, as insured, or to prevent or reduce loss or damage to the Insured. The Company may take any appropriate action under the terms of this policy, whether or not it shall be liable to the Insured. The exercise of these rights shall not be an admission of liability or waiver of any provision of this policy. If the Company exercises its rights under this subsection, it must do so diligently.
(c) Whenever the Company brings an action or asserts a defense as required or permitted by this policy, the Company may pursue the litigation to a final determination by a court of competent jurisdiction, and it expressly reserves the right, in its sole discretion, to appeal any adverse judgment or order.

6. DUTY OF INSURED CLAIMANT TO COOPERATE
(a) In all cases where this policy permits or requires the Company to prosecute or provide for the defense of any action or proceeding and any appeals, the Insured shall secure to the Company the right to so prosecute or provide defense in the action or proceeding, including the right to use, at its option, the name of the Insured for this purpose. Whenever requested by the Company, the Insured, at the Company's expense, shall give the Company all reasonable aid (i) in securing evidence, obtaining witnesses, prosecuting or defending the action or proceeding, or effecting settlement, and (ii) in any other lawful act that in the opinion of the Company may be necessary or desirable to establish the Title or any other matter as insured. If the Company is prejudiced by the failure of the Insured to furnish the required cooperation, the Company's obligations to the Insured under the policy shall terminate, including any liability or obligation to defend, prosecute, or continue any litigation, with regard to the matter or matters requiring such cooperation.
(b) The Company may reasonably require the Insured Claimant to submit to examination under oath by any authorized representative of the Company and to produce for examination, inspection, and copying, at such reasonable times and places as may be designated by the authorized representative of the Company, all records, in whatever medium maintained, including books, ledgers, checks, memoranda, correspondence, reports, e-mails, disks, tapes, and videos whether bearing a date before or after Date of Policy, that reasonably pertain to the loss or damage. Further, if requested by any authorized representative of the Company, the Insured Claimant shall grant its permission, in writing, for any authorized representative of the Company to examine, inspect, and copy all of these records in the custody or control of a third party that reasonably pertain to the loss or damage. All information designated as confidential by the Insured Claimant provided to the Company pursuant to this Section shall not be disclosed to others unless, in the reasonable judgment of the Company, it is necessary in the administration of the claim. Failure of the Insured Claimant to submit for examination under oath, produce any reasonably requested information, or grant permission to secure reasonably necessary information from third parties as required in this subsection, unless prohibited by law or governmental regulation, shall terminate any liability of the Company under this policy as to that claim.

7. OPTIONS TO PAY OR OTHERWISE SETTLE CLAIMS; TERMINATION OF LIABILITY
In case of a claim under this policy, the Company shall have the following additional options:
(a) To Pay or Tender Payment of the Amount of Insurance.
To pay or tender payment of the Amount of Insurance under this policy together with any costs, attorneys' fees, and expenses incurred by the Insured Claimant that were authorized by the Company up to the time of payment or tender of payment and that the Company is obligated to pay.
Upon the exercise by the Company of this option, all liability and obligations of the Company to the Insured under this policy, other than to make the payment required in this subsection, shall terminate, including any liability or obligation to defend, prosecute, or continue any litigation.
(b) To Pay or Otherwise Settle With Parties Other Than the Insured or With the Insured Claimant.
(i) to pay or otherwise settle with other parties for or in the name of an Insured Claimant any claim insured against under this policy. In addition, the Company will pay any costs, attorneys' fees, and expenses incurred by the Insured Claimant that were authorized by the Company up to the time of payment and that the Company is obligated to pay; or
(ii) to pay or otherwise settle with the Insured Claimant the loss or damage provided for under this policy, together with any costs, attorneys' fees, and expenses incurred by the Insured Claimant that were authorized by the Company up to the time of payment and that the Company is obligated to pay.
Upon the exercise by the Company of either of the options provided for in subsections (b)(i) or (ii), the Company's obligations to the Insured under this policy for the claimed loss or damage, other than the payments required to be made, shall terminate, including any liability or obligation to defend, prosecute, or continue any litigation.

8. DETERMINATION AND EXTENT OF LIABILITY
This policy is a contract of indemnity against actual monetary loss or damage sustained or incurred by the Insured Claimant who has suffered loss or damage by reason of matters insured against by this policy.
(a) The extent of liability of the Company for loss or damage under this policy shall not exceed the lesser of
(i) the Amount of Insurance; or
(ii) the difference between the value of the Title as insured and the value of the Title subject to the risk insured against by this policy.

(b) If the Company pursues its rights under Section 5 of these Conditions and is unsuccessful in establishing the Title, as insured,
  (i) the Amount of Insurance shall be increased by 10%, and
  (ii) the Insured Claimant shall have the right to have the loss or damage determined either as of the date the claim was made by the Insured Claimant or as of the date it is settled and paid.

(c) In addition to the extent of liability under (a) and (b), the Company will also pay those costs, attorneys' fees, and expenses incurred in accordance with Sections 5 and 7 of these Conditions.

9. LIMITATION OF LIABILITY

(a) If the Company establishes the Title, or removes the alleged defect, lien or encumbrance, or cures the lack of a right of access to or from the Land, or cures the claim of Unmarketable Title, all as insured, in a reasonably diligent manner by any method, including litigation and the completion of any appeals, it shall have fully performed its obligations with respect to that matter and shall not be liable for any loss or damage caused to the Insured.

(b) In the event of any litigation, including litigation by the Company or with the Company's consent, the Company shall have no liability for loss or damage until there has been a final determination by a court of competent jurisdiction, and disposition of all appeals, adverse to the Title, as insured.

(c) The Company shall not be liable for loss or damage to the Insured for liability voluntarily assumed by the Insured in settling any claim or suit without the prior written consent of the Company.

10. REDUCTION OF INSURANCE; REDUCTION OR TERMINATION OF LIABILITY

All payments under this policy, except payments made for costs, attorneys' fees, and expenses, shall reduce the Amount of Insurance by the amount of the payment.

11. LIABILITY NONCUMULATIVE

The Amount of Insurance shall be reduced by any amount the Company pays under any policy insuring a Mortgage to which exception is taken in Schedule B or to which the Insured has agreed, assumed, or taken subject, or which is executed by an Insured after Date of Policy and which is a charge or lien on the Title, and the amount so paid shall be deemed a payment to the Insured under this policy.

12. PAYMENT OF LOSS

When liability and the extent of loss or damage have been definitely fixed in accordance with these Conditions, the payment shall be made within 30 days.

13. RIGHTS OF RECOVERY UPON PAYMENT OR SETTLEMENT

(a) Whenever the Company shall have settled and paid a claim under this policy, it shall be subrogated and entitled to the rights of the Insured Claimant in the Title and all other rights and remedies in respect to the claim that the Insured Claimant has against any person or property, to the extent of the amount of any loss, costs, attorneys' fees, and expenses paid by the Company. If requested by the Company, the Insured Claimant shall execute documents to evidence the transfer to the Company of these rights and remedies. The Insured Claimant shall permit the Company to sue, compromise, or settle in the name of the Insured Claimant and to use the name of the Insured Claimant in any transaction or litigation involving these rights and remedies.

If a payment on account of a claim does not fully cover the loss of the Insured Claimant, the Company shall defer the exercise of its right to recover until after the Insured Claimant shall have recovered its loss.

(b) The Company's right of subrogation includes the rights of the Insured to indemnities, guaranties, other policies of insurance, or bonds, notwithstanding any terms or conditions contained in those instruments that address subrogation rights.

14. ARBITRATION

Either the Company or the Insured may demand that the claim or controversy shall be submitted to arbitration pursuant to the Title Insurance Arbitration Rules of the American Land Title Association ("Rules"). Except as provided in the Rules, there shall be no joinder or consolidation with claims or controversies of other persons. Arbitrable matters may include, but are not limited to, any controversy or claim between the Company and the Insured arising out of or relating to this policy, any service in connection with its issuance or the breach of a policy provision, or to any other controversy or claim arising out of the transaction giving rise to this policy. All arbitrable matters when the Amount of Insurance is $2,000,000 or less shall be arbitrated at the option of either the Company or the Insured. All arbitrable matters when the Amount of Insurance is in excess of $2,000,000 shall be arbitrated only when agreed to by both the Company and the Insured. Arbitration pursuant to this policy and under the Rules shall be binding upon the parties. Judgment upon the award rendered by the Arbitrator(s) may be entered in any court of competent jurisdiction.

15. LIABILITY LIMITED TO THIS POLICY; POLICY ENTIRE CONTRACT

(a) This policy together with all endorsements, if any, attached to it by the Company is the entire policy and contract between the Insured and the Company. In interpreting any provision of this policy, this policy shall be construed as a whole.

(b) Any claim of loss or damage that arises out of the status of the Title or by any action asserting such claim shall be restricted to this policy.

(c) Any amendment of or endorsement to this policy must be in writing and authenticated by an authorized person, or expressly incorporated by Schedule A of this policy.

(d) Each endorsement to this policy issued at any time is made a part of this policy and is subject to all of its terms and provisions. Except as the endorsement expressly states, it does not (i) modify any of the terms and provisions of the policy, (ii) modify any prior endorsement, (iii) extend the Date of Policy, or (iv) increase the Amount of Insurance.

16. SEVERABILITY

In the event any provision of this policy, in whole or in part, is held invalid or unenforceable under applicable law, the policy shall be deemed not to include that provision or such part held to be invalid, but all other provisions shall remain in full force and effect.

17. CHOICE OF LAW; FORUM

(a) Choice of Law: The Insured acknowledges the Company has underwritten the risks covered by this policy and determined the premium charged therefor in reliance upon the law affecting interests in real property and applicable to the interpretation, rights, remedies, or enforcement of policies of title insurance of the jurisdiction where the Land is located. Therefore, the court or an arbitrator shall apply the law of the jurisdiction where the Land is located to determine the validity of claims against the Title that are adverse to the Insured and to interpret and enforce the terms of this policy. In neither case shall the court or arbitrator apply its conflicts of law principles to determine the applicable law.

(b) **Choice of Forum: Any litigation or other proceeding brought by the Insured against the Company must be filed only in a state or federal court within the United States of America or its territories having appropriate jurisdiction.**

18. NOTICES, WHERE SENT

Any notice of claim and any other notice or statement in writing required to be given to the Company under this policy must be given to the Company at :

Chicago Title Insurance Company

Attn: Claims Department

P.O. Box 45023

Jacksonville, FL 32232-5023

LIMITS OF AREA WHERE A LOW PERMEABILITY COVER IS REQUIRED TO BE MAINTAINED UNLESS FILL SOILS ARE REMOVED AS SPECIFIED IN THE SITE MANAGEMENT PLAN

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Corning, County of Steuben and State of New York, bounded and described as follows:

Beginning at a point on the westerly boundary of Steuben Street, 411.95 feet northerly from the intersection of said street boundary with the northerly boundary of Tioga Avenue;

Thence through the lands of Corning Property Management Corp. (see Liber 1755 of Deeds, page 80 in the Steuben County Clerk's Office) the following 30 courses and distances:

1. N. 76°01'34"W., along the southerly face of a railroad building, a distance of 165.92 feet;
2. S. 13°58'26"W., a distance of 56.10 feet;
3. S. 64°05'11"W., a distance of 112.27 feet;
4. N. 61°38'58"W., a distance of 95.95 feet;
5. S. 72°11'02"W., a distance of 120.41 feet;
6. N. 65°35'24"W, a distance of 217.71 feet;
7. N. 77°03'54"W., a distance of 154.48 feet;
8. S. 60°45'08"W., a distance of 173.94 feet;
9. N. 10°33'13"E., a distance of 138.57 feet;
10. N. 48°48'19"E., a distance of 98.70 feet;
11. S. 75°42'25"E., a distance of 150.10 feet;
12. N. 14°38'24"E., a distance of 39.57 feet;
13. S. 75°53'29"E., along the southerly side of a railroad spur, a distance of 287.02 feet;
14. S. 76°24'08"E., continuing along the southerly side of said railroad spur, a distance of 259.97 feet to the west face of the above said railroad building;
15. N. 13°45'04"E., along said building, a distance of 17.26 feet;
16. N. 76°20'57"W., along the northerly side of railroad spurs, a distance of 357.62 feet;
17. N. 13°55'09"E., continuing along said spur, a distance of 18.04 feet;
18. N. 73°43'50"W., continuing along said spur, a distance of 64.93 feet;
19. N. 00°00'00"E., continuing along said spur, a distance of 15.51 feet;
20. N. 83°35'07"W., continuing along said spur, a distance of 216.39 feet;
21. N. 88°53'12"W., continuing along said spur, a distance of 43.33 feet;
22. N. 79°07'04"E., a distance of 8.26 feet;
23. N. 70°32'13"E., a distance of 116.40 feet to a point on the westerly side of an electrical sub-station;
24. S. 19°16'33"E., along said sub-station, a distance of 32.53 feet;
25. S. 89°17'43"E., along said sub-station, a distance of 54.59 feet;
26. N. 25°57'20"W., along said sub-station, a distance of 11.07 feet;
27. N. 56°55'29"E., along said sub-station, a distance of 15.75 feet;
28. N. 63°58'19"E., along said sub-station, a distance of 36.79 feet;
29. N. 26°03'04"W., along said sub-station, a distance of 44.90 feet;
30. N. 63°21'48"E., a distance of 141.17 feet to a point on the westerly boundary of lands of WKI Holding Company, Inc. (see Liber 1719 of Deeds, page 164 in said Steuben County Clerk's Office);

Thence along the last mentioned boundary the following 5 courses and distances:

1. S. 27°35'20"E., a distance of 139.78 feet;
2. S. 69°56'09"E., a distance of 47.42 feet;
3. S. 00°53'10"W., a distance of 91.02 feet;
4. S. 75°30'09"E., a distance of 205.60 feet;
5. N. 15°17'01"E., a distance of 25.98 feet;

Thence through the above said lands of Corning Property Management Corp. the following 2 courses and distances:

1. S. 75°54'53"E., a distance of 189.41 feet;
2. S. 72°01'28"E., a distance of 38.11 feet to a point on the above said westerly boundary of Steuben Street;

Thence S. 13°47'10"W., along said Steuben Street a distance of 67.47 feet to the Point or Place of Beginning;

Being 3.803 acres of land, more or less.

ENVIRONMENTAL EASEMENT DESCRIPTION BCP SITE #C851031

"Intending to describe part of property conveyed by Deed dated January 29, 2002 and recorded in the Steuben County Clerk's Office in Liber 1755 at Page 80".

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Corning, County of Steuben and State of New York, bounded and described as follows:

Beginning at a point on the westerly boundary of Steuben Street, +/- 19.5 feet northerly from the intersection of said street boundary with the northerly boundary of Tioga Avenue;

Thence through the lands of Corning Property Management Corp. (see Liber 1755 of Deeds, page 80 in the Steuben County Clerk's Office) the following 12 courses and distances:

1. N. 76°14'20"W., a distance of 1065.96 feet;
2. N. 82°02'15"W., a distance of 67.94 feet;
3. N. 75°16'06"W., a distance of 377.07 feet;
4. N. 14°13'06"E., a distance of 149.12 feet;
5. N. 84°14'08"E., a distance of 111.21 feet;
6. N. 83°03'50"E., a distance of 121.05 feet;
7. N. 80°45'52"E., a distance of 102.25 feet;
8. N. 77°21'08"E., a distance of 119.71 feet;
9. N. 79°26'04"E., a distance of 113.74 feet;
10. N. 79°07'04"E., a distance of 125.44 feet;
11. N. 70°32'13"E., a distance of 116.40 feet;
12. N. 63°21'48"E., a distance of 238.59 feet to a point on the westerly boundary of lands of WKI Holding Company, Inc. (see Liber 1719 of Deeds, page 164 in said Steuben County Clerk's Office);

Thence along the last mentioned boundary the following 6 courses and distances:


1. S. 27°35'20"E., a distance of 139.78 feet;
2. S. 69°56'09"E., a distance of 47.42 feet;
3. S. 00°53'10"W., a distance of 91.02 feet;
4. S. 75°30'09"E., a distance of 205.60 feet;
5. N. 15°17'01"E., a distance of 64.75 feet;
6. S. 74°22'03"E., a distance of 226.52 feet to a point on said westerly boundary of Steuben Street;

Thence S. 13°47'10"W., along said Steuben Street a distance of 495.17 feet to the Point or Place of Beginning;

Being 14.183 acres of land, more or less.

THE ENGINEERING AND INSTITUTIONAL CONTROLS for the Easement are set forth in more detail in the Site Management Plan ("SMP"). A copy of the SMP must be obtained by any party with an interest in the property. The SMP may be obtained from the New York State Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, New York, 12233 or at derweb@gw.dec.state.ny.us".

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law.



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

LEGEND

- COMPUTED POINT
- POLE
- LIGHT POLE
- SIGN POST
- HYDRANT
- —o—o—o—o— CHAIN LINK FENCE
- BOUNDARY LINE
- ENVIRONMENTAL EASEMENT (REFER TO ENVIRONMENTAL EASEMENT NOTES)
- AREA OF LOW PERMEABILITY COVER AS SPECIFIED IN THE SITE MANAGEMENT PLAN (INCLUDING ASPHALT, CONCRETE, BUILDING, STRUCTURE OR OTHER DEC-APPROVED SURFACES OR COVER MATERIALS).
- (9) PROPERTY EASEMENT LOCATION REFERENCE
- (7-9) PROPERTY EASEMENT #7 LOCATION REFERENCES

ENGINEERING / INSTITUTIONAL CONTROLS

- **Soil Cover -** All intrusive activity below the cover systems that will cause disturbance of historical fill soil must be conducted in accordance with the Site Management Plan and approved covers as described therein.
- **Groundwater Use Prohibition -** the use for potable uses is prohibited on the Site without undergoing a NYSDEC and/or NYSDOH approved treatment, if necessary.
- **Vegetable gardens -** The use of vegetable gardens is prohibited on the Site.
- **Land Use -** future land use will be restricted to Commercial and/or Industrial purposes.

ENVIRONMENTAL EASEMENT AREA ACCESS
THE NYSDEC OR THEIR AGENT MAY ACCESS THE ENVIRONMENTAL EASEMENT AREA AS SHOWN HEREON THROUGH ANY EXISTING STREET ACCESS OR BUILDING INGRESS/EGRESS ACCESS POINT

"This Survey has been revised with the benefit of Title Report Commitment No. ______, Dated ________, 2012. Issued by ______"

CERTIFIED TO: THE PEOPLE OF THE STATE OF NEW YORK ACTING THROUGH ITS COMMISSIONER OF THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
CHICAGO TITLE INSURANCE COMPANY
CORNING INCORPORATED
CORNING PROPERTY MANAGEMENT CORP.

I hereby certify that this is a true and accurate survey, prepared in accordance with the existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors.

TAX MAP REFERENCE
[X] ALL OF [ ] PART OF
SECTION 318.10
BLOCK 1
PARCEL 1.1

SHEET 1 OF 2

SUBDIVISION PLANNING — **WEILER ASSOCIATES** — SURVEYING & MAPPING
LICENSED LAND SURVEYORS
206 GARDNER ROAD
HORSEHEADS, N Y 14845
607-739-4476

INSTRUMENT SURVEY - ENVIRONMENTAL EASEMENT
OF LANDS OF
CORNING PROPERTY MANAGEMENT CORPORATION
(213, 219 and 239 EAST TIOGA AVENUE, CORNING NY)
BCP SITE #C851031 EAST TIOGA AVENUE
(FALL BROOK SITE)
CITY OF CORNING — STEUBEN COUNTY
NEW YORK

DRAWN BY W.E.B.	SCALE: 1" = 50'	REVISED: JAN. 17, 2012	JOB NO. 14591
CHECKED BY W.E.B.	DATE: APRIL 18, 2011	REVISED: JAN. 25, 2012	

OVERALL PARCEL DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Corning, County of Steuben and State of New York, bounded and described as follows:

Beginning at the intersection of the westerly boundary of Steuben Street and the northerly boundary of East Tioga Avenue;

Thence N. 75°59'40"W., along said northerly boundary of East Tioga Avenue a distance of 2,590.23 feet to a point;

Thence, along the southeasterly and easterly boundaries of lands now or formerly of "The City of Corning Urban Renewal Agency"(see Liber 961 of Deeds, Page 975), the following five (5) courses:
1. S. 80°50'53"E., a distance of 62.52 feet to a point;
2. S. 86°30'26"E., a distance of 58.70 feet to a point;
3. N. 32°38'47"E., a distance of 18.30 feet to a point;
4. S. 85°05'27"E., a distance of 63.00 feet to a point;
5. N. 10°05'13"E., a distance of 80.91 feet to the southerly edge of the Chemung River;

Thence, along said southerly edge of the Chemung River, the following thirteen (13) courses:
1. S. 80°09'14"E., a distance of 8.08 feet to a point;
2. S. 63°12'59"E., a distance of 125.25 feet to a point;
3. S. 82°38'33"E., a distance of 75.02 feet to a point;
4. N. 88°56'08"E., a distance of 226.88 feet to a point;
5. N. 89°18'01"E., a distance of 136.82 feet to a point;
6. S. 87°06'02"E., a distance of 169.98 feet to a point;
7. N. 82°50'37"E., a distance of 222.16 feet to a point;
8. N. 87°21'31"E., a distance of 142.17 feet to a point;
9. N. 83°03'08"E., a distance of 197.14 feet to a point;
10. N. 74°11'33"E., a distance of 85.73 feet to a point;
11. N. 77°52'58"E., a distance of 142.81 feet to a point;
12. N. 67°36'19"E., a distance of 334.14 feet to a point;
13. N. 53°55'17"E., a distance of 20.16 feet to a point;

Thence, along the boundaries of lands now or formerly of "Corning Consumer Products Company"(see Liber 1327 of Deeds, Page 237 and Liber 1343 of Deeds, Page 106), the following six (6) courses:
1. S. 27°35'20"E., a distance of 255.36 feet to a point;
2. S. 69°56'09"E., a distance of 47.42 feet to a point;
3. S. 00°53'10"W., a distance of 91.02 feet to a point;
4. S. 75°30'09"E., a distance of 205.60 feet to a point;
5. N. 15°17'01"E., a distance of 64.75 feet to a point;
6. S. 74°22'03"E., a distance of 226.52 feet to a point on the aforesaid westerly boundary of Steuben Street;

Thence S. 13°47'10"W., along said westerly boundary of Steuben Street a distance of 514.65 feet to the point or place of beginning;

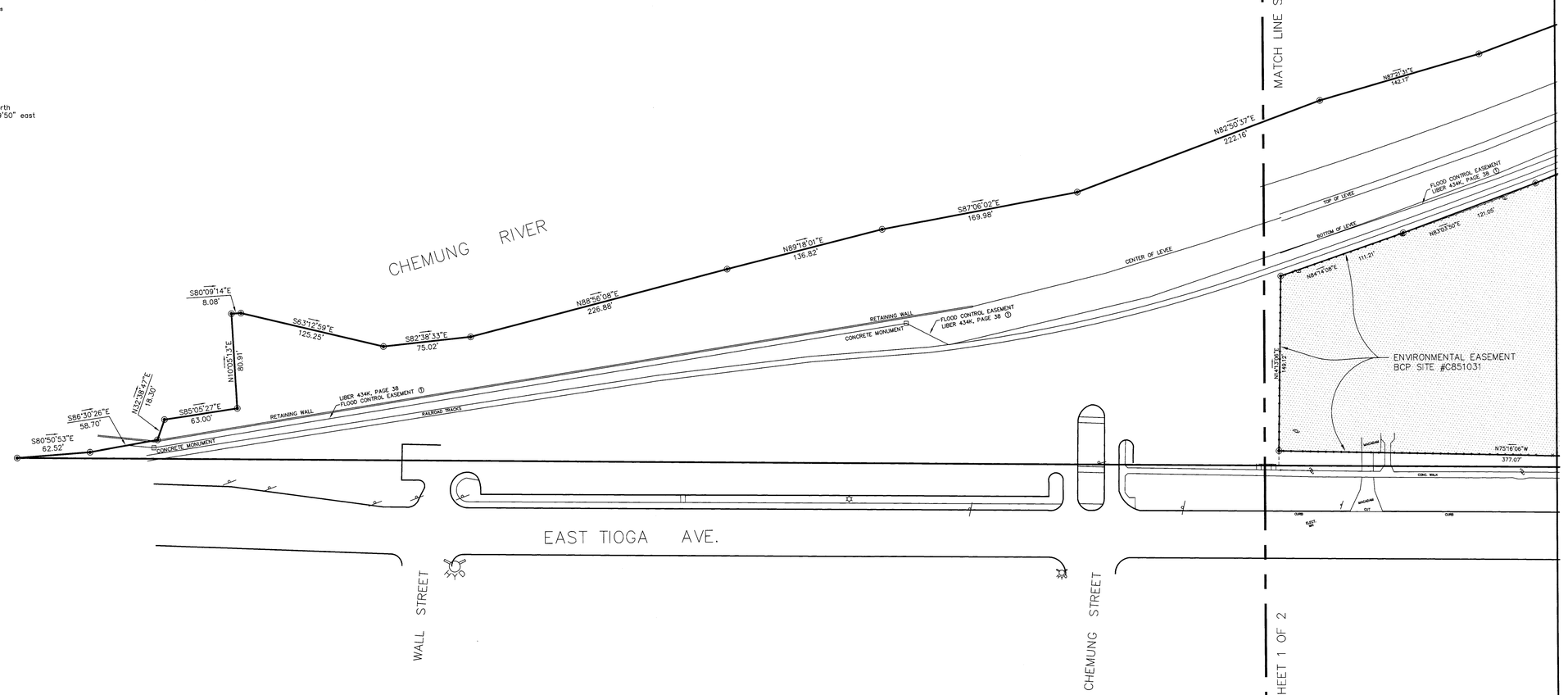
Being 21.15 acres of land, more or less.

The Overall Parcel Description listed hereon is based on Grid North per GPS observations. This results in a bearing difference of 0°9'50" east from the record description at liber 1755, page 80.

PROPERTY EASEMENT LOCATIONS

1. Flood control easement located north of railroad along Chemung River. Does not affect Environmental Easement area.
2. Easement to NYSEG, Liber 517, Page 510 does not affect property.*
3. Easement to NYSEG, Liber 739, Page 124 was not locatable, Pole #1106 in line #990 was not found.*
4. Easement to NYSEG, Liber 931, Page 688 is shown along Steuben Street, guy wires no longer exist.
5. Easement to NYSEG, Liber 950, Page 718 for guy wires that no longer exist and was not locatable.*
6. Easement to NYSEG, Liber 1366, Page 25 for underground cable, missing exhibits 1–4 and could not be located.*
7. Cross Easement, Liber 1343, Page 100 to Corning Vitro (now WKI Holding Company), several features mostly along common boundary line. SHOWN IN OVALS (References 7–1, 7–2, 7–3, 7–4, 7–5, 7–6, 7–7, 7–8, 7–9, 7–11 and 7–14 are shown).
8. Easement to NYSEG, Liber 1330, Page 270 for electric transmission line, crosses Chemung River from sub–stationarea, as shown. Does not affect Environmental Easement area.
9. Easement from City of Corning, Liber 1743, Page 257 for Underground cable, located from a pole along Tioga Ave. to Fall Brook building, as shown. Does not affect Environmental Easement area.

* Easements 3, 5 and 6 could not be located and easement 2 does not affect the property, therefore, these easement locations are not represented on this survey.



LEGEND

- COMPUTED POINT
- POLE
- LIGHT POLE
- SIGN POST
- HYDRANT
- —o—o—o—o—o— CHAIN LINK FENCE
- BOUNDARY LINE
- ENVIRONMENTAL EASEMENT (REFER TO ENVIRONMENTAL EASEMENT NOTES)
- AREA OF LOW PERMEABILITY COVER AS SPECIFIED IN THE SITE MANAGEMENT PLAN (INCLUDING ASPHALT, CONCRETE, BUILDING, STRUCTURE OR OTHER DEC–APPROVED SURFACES OR COVER MATERIALS).
- (9) PROPERTY EASEMENT LOCATION REFERENCE
- (7–9) PROPERTY EASEMENT #7 LOCATION REFERENCE

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

I hereby certify that this is a true and accurate survey, prepared in accordance with the existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors.

STATE OF NEW YORK WILLIAM E. BRADLEY 050114 LICENSED LAND SURVEYOR

TAX MAP REFERENCE
☒ ALL OF ☐ PART OF
SECTION 318.10
BLOCK 1
PARCEL 1.1

SHEET 2 OF 2

SUBDIVISION PLANNING

WEILER ASSOCIATES
LICENSED LAND SURVEYORS
206 GARDNER ROAD
HORSEHEADS, N Y 14845
607–739–4476

SURVEYING & MAPPING

INSTRUMENT SURVEY - ENVIRONMENTAL EASEMENT

OF LANDS OF
CORNING PROPERTY MANAGEMENT CORPORATION
(213, 219 and 239 EAST TIOGA AVENUE, CORNING NY)
BCP SITE #C851031 EAST TIOGA AVENUE
(FALL BROOK SITE)

CITY OF CORNING — STEUBEN COUNTY — NEW YORK

DRAWN BY W.E.B.	SCALE: 1" = 50'	REVISED: JAN. 17, 2012	JOB NO. 14591
CHECKED BY W.E.B.	DATE: APRIL 18, 2011	REVISED:	

APPENDIX B

LIST OF SITE CONTACTS

APPENDIX B

LIST OF SITE CONTACTS

Name	Phone/Email Address
Site Owner/Remedial Party: Corning Incorporated and Corning Property Management Corporation Matt Huchzermeier, P.E.	(607) 684-5571 HuchzermM@corning.com
Qualified Environmental Professional & Remedial Engineer: Jeffrey Marsh, P.E. Integral Engineering, P.C.	(212) 440-6705 jmarsh@integral-corp.com
NYSDEC DER Project Manager: Evelyn Hussey	(518) 402-6787 evelyn.hussey@dec.ny.gov
NYSDEC DER Project Manager's Supervisor: Samantha Salotto	(518) 402-9903 samantha.salotto@dec.ny.gov
NYSDEC Site Control Leonard Zinoman	(518) 402-9716 leonard.zinoman@dec.ny.gov
NYSDOH Project Manager: Johnathan Robinson	(518) 402-7881 johnathan.robinson@health.ny.gov

APPENDIX C

BORING AND MONITORING WELL CONSTRUCTION LOGS

HALEY & ALDRICH

OBSERVATION WELL INSTALLATION REPORT

Well No. B-129-MW

Boring No. B-129-MW

PROJECT	Tioga Avenue Phase II	H&A FILE NO.	33123-005
LOCATION	Tioga Avenue Corning, New York	PROJECT MGR.	E. Hynes/B. Mahoney
CLIENT	Corning Property Mgmt. Corp.	FIELD REP.	B. Zinni
CONTRACTOR	Nothnagle Drilling	DATE INSTALLED	9/13/2007
DRILLER	K. Busch	WATER LEVEL	24.09

Ground El. _____ ft
El. Datum _____

Location _____

☐ Guard Pipe
☑ Roadway Box

SOIL/ROCK CONDITIONS

BOREHOLE BACKFILL

CONCRETE

12.6

BENTONITE

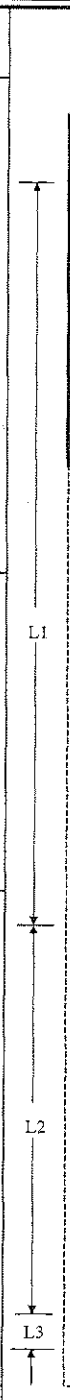
17

QUARTZ SAND

29

29

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock: Padlock

Height/Depth of top of guard pipe/roadway box above ground surface: +3 ft

Height/Depth of top of riser pipe above ground surface: +2.9 ft

Type of protective casing: Steel box with flip top

Length: ~10 ft

Inside Diameter: ~4 in

Depth of bottom of guard roadway box: ~4 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0	12.6
Bentonite Seal	18.6	4.6

Type of riser pipe: PVC

Inside diameter of riser pipe: 2 in

Type of backfill around riser: Bentonite

Diameter of borehole: ~5 in

Depth to top of well screen: 19 ft

Type of screen: PVC

Screen gauge or size of openings: _____ in

Diameter of screen: 2 in

Type of backfill around screen: Quartz Sand

Depth of bottom of well screen: 29 ft

Bottom of Silt trap: - ft

Depth of bottom of borehole: 29 ft

21.9 ft	+	10 ft	+	- ft	=	31.9 ft
Riser Pay Length (L1)		Length of screen (L2)		Length of silt trap (L3)		Pay length

COMMENTS: _____

Form # 3010

HALEY & ALDRICH

OBSERVATION WELL INSTALLATION REPORT

Well No. B-143-MW

Boring No. B-143-MW

PROJECT	Tioga Avenue Phase II	H&A FILE NO.	33123-005
LOCATION	Tioga Avenue Corning, New York	PROJECT MGR.	E. Hynes/B. Mahoney
CLIENT	Corning Property Mgmt. Corp.	FIELD REP.	B. Zinni
CONTRACTOR	Nothnagle Drilling	DATE INSTALLED	9/19/2007
DRILLER	K. Busch	WATER LEVEL	23

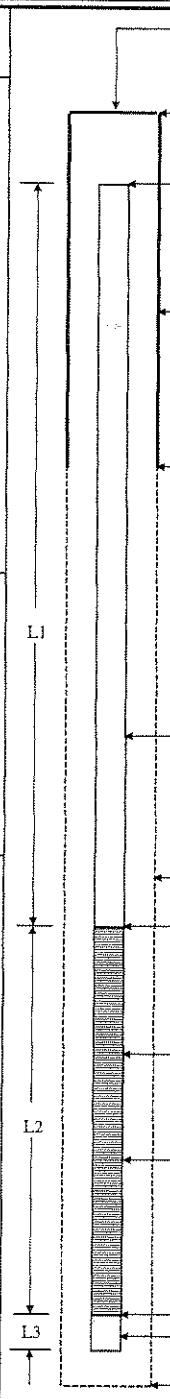
Ground El. _____ ft
El. Datum _____

Location: NE corner-old R&R

☐ Guard Pipe
☑ Roadway Box

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
	GROUT
12.4	
	BENTONITE
15	
	QUARTZ SAND
28 (Bottom of Exploration)	28

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock: Padlock Well Cap

Height/Depth of top of guard pipe/roadway box above ground surface: 0 ft

Height/Depth of top of riser pipe above/below ground surface: _____ ft

Type of protective casing: Roadway box

Length: 1 ft

Inside Diameter: 8 in

Depth of bottom of guard roadway box: 1 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete		
Bentonite Seal	12.4	2.6

Type of riser pipe: PVC

Inside diameter of riser pipe: 2 in

Type of backfill around riser: Sand 3, Chips

Diameter of borehole: 4 in

Depth to top of well screen: 18 ft

Type of screen: PVC

Screen gauge or size of openings: _____ in

Diameter of screen: 2 in

Type of backfill around screen: Quartz Sand

Depth of bottom of well screen: 28 ft

Bottom of Silt trap: 28 ft

Depth of bottom of borehole: 28 ft

Riser Pay Length (L1)	+	Length of screen (L2)	+	Length of silt trap (L3)	=	Pay length
ft	+	10 ft	+	- ft	=	ft

COMMENTS:

Form # 3010

HALEY & ALDRICH

OBSERVATION WELL INSTALLATION REPORT

Well No. B-144-MW

Boring No. B-144-MW

PROJECT	Tioga Avenue Phase II	H&A FILE NO.	33123-005
LOCATION	Tioga Avenue Corning, New York	PROJECT MGR.	E. Hynes/B. Mahoney
CLIENT	Corning Property Mgmt. Corp.	FIELD REP.	B. Zinni
CONTRACTOR	Nothnagle Drilling	DATE INSTALLED	9/20/2007
DRILLER	K. Busch	WATER LEVEL	22.3'

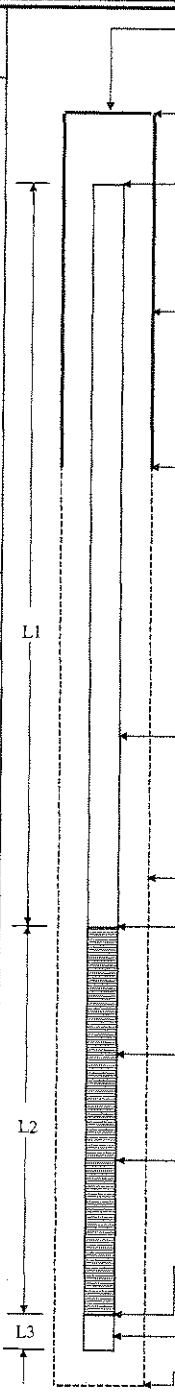
Ground El. _____ ft
El. Datum _____

Location _____

☐ Guard Pipe
☑ Roadway Box

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
	GROUT
12	BENTONITE
15.5	QUARTZ SAND
28 (Bottom of Exploration)	28

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock: Padlock Well Cap

Height/Depth of top of guard pipe/roadway box above ground surface: 0 ft

Height/Depth of top of riser pipe above/below ground surface: _____ ft

Type of protective casing: Roadway box

Length: 1 ft

Inside Diameter: 8 in

Depth of bottom of guard roadway box: 1 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	~3	9
Bentonite Seal	12	3.5

Type of riser pipe: PVC

Inside diameter of riser pipe: 2 in

Type of backfill around riser: Sand 2.5, Chips 2, Grout

Diameter of borehole: 6 in

Depth to top of well screen: 18 ft

Type of screen: PVC

Screen gauge or size of openings: _____ in

Diameter of screen: 2 in

Type of backfill around screen: Quartz Sand

Depth of bottom of well screen: 28 ft

Bottom of Silt trap: - ft

Depth of bottom of borehole: 28 ft

_____ ft (Riser Pay Length (L1)) + 10 ft (Length of screen (L2)) + - ft (Length of silt trap (L3)) = _____ ft (Pay length)

COMMENTS:

Form # 3010

HALEY & ALDRICH

OBSERVATION WELL INSTALLATION REPORT

Well No. B-145-MW

Boring No. B-145-MW

PROJECT	Tioga Avenue Phase II	H&A FILE NO.	33123-005
LOCATION	Tioga Avenue Corning, New York	PROJECT MGR.	E. Hynes/B. Mahoney
CLIENT	Corning Property Mgmt. Corp.	FIELD REP.	B. Zinni
CONTRACTOR	Nothnagle Drilling	DATE INSTALLED	9/20/2007
DRILLER	K. Busch	WATER LEVEL	22.5'

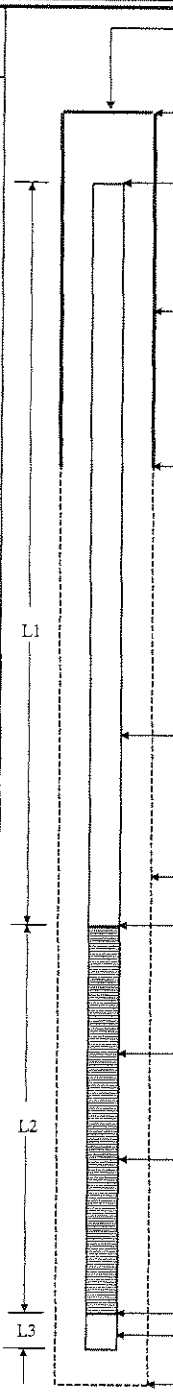
Ground El. _____ ft
El. Datum _____

Location _____

☐ Guard Pipe
☑ Roadway Box

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
	GROUT
11.9	
	BENTONITE
15.4	
	QUARTZ SAND
28.0	28.0

(Bottom of Exploration)
(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock: Padlock Roadbox

Height/Depth of top of guard pipe/roadway box above ground surface: 0 ft

Height/Depth of top of riser pipe above/below ground surface: _____ ft

Type of protective casing: Roadbox
- Length: 1 ft
- Inside Diameter: 8 in

Depth of bottom of guard roadway box: 1 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	~3	8.9
Bentonite Seal	11.9	3.5

Type of riser pipe: PVC
- Inside diameter of riser pipe: 2 in
- Type of backfill around riser: Sand 2.6

Diameter of borehole: 6 in

Depth to top of well screen: 18 ft

Type of screen: PVC
- Screen gauge or size of openings: ~0.1 in
- Diameter of screen: 2 in

Type of backfill around screen: Quartz Sand

Depth of bottom of well screen: 28 ft

Bottom of Silt trap: - ft

Depth of bottom of borehole: 28 ft

_____ ft (Riser Pay Length (L1)) + 10 ft (Length of screen (L2)) + 0 ft (Length of silt trap (L3)) = _____ ft (Pay length)

COMMENTS: _____

Form # 3010

HALEY & ALDRICH

OBSERVATION WELL INSTALLATION REPORT

Well No. B-146-MW

Boring No. B-146-MW

PROJECT	Tioga Avenue Phase II	H&A FILE NO.	33123-005
LOCATION	Tioga Avenue Corning, New York	PROJECT MGR.	E. Hynes/B. Mahoney
CLIENT	Corning Property Mgmt. Corp.	FIELD REP.	B. Zinni
CONTRACTOR	Nothnagle Drilling	DATE INSTALLED	9/21/2007
DRILLER	K. Busch	WATER LEVEL	~10.3

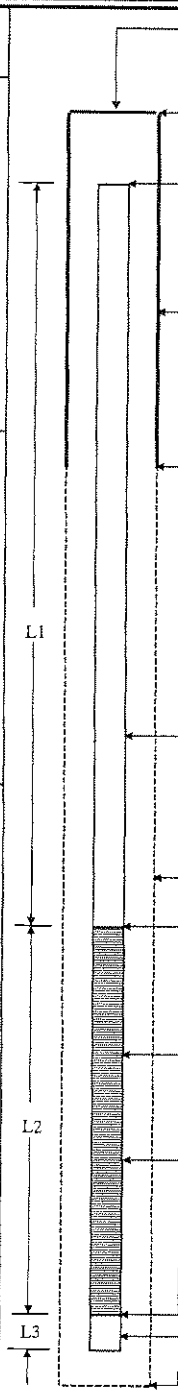
Ground El. _____ ft
El. Datum _____

Location _____

☐ Guard Pipe
☑ Roadway Box

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
	GROUT
9	BENTONITE
12.5	QUARTZ SAND
26 (Bottom of Exploration)	26

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock: Padlock Well Cap

Height/Depth of top of guard pipe/roadway box above ground surface: 0 ft

Height/Depth of top of riser pipe above/below ground surface: -0.5 ft

Type of protective casing: Roadway box
- Length: 1 ft
- Inside Diameter: 8 in

Depth of bottom of guard roadway box: 1 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete		
Bentonite Seal	9	3.5

Type of riser pipe: PVC
- Inside diameter of riser pipe: 2 in
- Type of backfill around riser: Sand 3.5, Chips 3.5, Grout

Diameter of borehole: ~6 in

Depth to top of well screen: 16 ft

Type of screen: PVC
- Screen gauge or size of openings: ~0.1 in
- Diameter of screen: 2 in

Type of backfill around screen: Quartz Sand

Depth of bottom of well screen: 26 ft

Bottom of Silt trap: - ft

Depth of bottom of borehole: 26 ft

15.5 ft (Riser Pay Length (L1)) + 10 ft (Length of screen (L2)) + - ft (Length of silt trap (L3)) = 25.5 ft (Pay length)

COMMENTS:

Form # 3010

HALEY & ALDRICH

OBSERVATION WELL INSTALLATION REPORT

Well No. B-147-MW

Boring No. B-147-MW

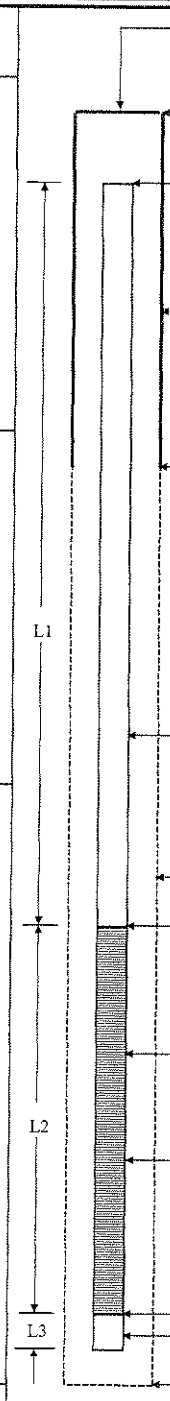
PROJECT	Tioga Avenue Phase II	H&A FILE NO.	33123-005
LOCATION	Tioga Avenue Corning, New York	PROJECT MGR.	E. Hynes/B. Mahoney
CLIENT	Corning Property Mgmt. Corp.	FIELD REP.	B. Zinni
CONTRACTOR	Nothnagle Drilling	DATE INSTALLED	9/21/2007
DRILLER	K. Busch	WATER LEVEL	1/19/1900

Ground El. _____ ft
El. Datum _____

Location _____

☐ Guard Pipe
☑ Roadway Box

SOIL/ROCK CONDITIONS | BOREHOLE BACKFILL



(Numbers refer to depth from ground surface in feet)

(Not to Scale)

Type of protective cover/lock: Padlock Well Cap

Height/Depth of top of guard pipe/roadway box above ground surface: 0 ft

Height/Depth of top of riser pipe above/below ground surface: -0.5 ft

Type of protective casing: Roadway box

Length: 1 ft

Inside Diameter: 8 in

Depth of bottom of guard roadway box: 1 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete		
Bentonite Seal	9.5	3.6

Type of riser pipe: PVC

Inside diameter of riser pipe: 2 in

Type of backfill around riser: Sand 3.1, Chips 3.6, Bentonite, Grout

Diameter of borehole: ~6 in

Depth to top of well screen: 16 ft

Type of screen: PVC

Screen gauge or size of openings: ~0.1 in

Diameter of screen: 2 in

Type of backfill around screen: Quartz Sand

Depth of bottom of well screen: 26 ft

Bottom of Silt trap: - ft

Depth of bottom of borehole: 26 ft

15.5 ft (Riser Pay Length (L1)) + 10 ft (Length of screen (L2)) + - ft (Length of silt trap (L3)) = 25.5 ft (Pay length)

COMMENTS:

Form # 3010

GEOPROBE EXPLORATION REPORT

Boring No. B-100

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 10, 2007
Finish September 10, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 36	0.0 4.0	NO WELL INSTALLED		SW	Black ash, well-graded SAND (SW), mps=0.1 ft., no structure, no odor, dry.	PID = 0.0 ppm	5	5	10	20	55	5				
					1.0	SM	-FILL-											
2							Black ash, silty SAND (SM), mps=0.5 in., no odor, dry, 10% coal pieces. -FILL-	PID = 0.0 ppm			5	5	60	30				
					3.0	SP-SM	Brown ash, poorly-graded SAND with silt (SP-SM), mps=1 in., no odor, dry. -FILL-	PID = 0.0 ppm		5	10	10	65	10				
4		G2 30	4.0 8.0															
					5.0	SP-SM	Brown, poorly-graded SAND with silt (SP-SM), mps=0.5 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm			5	50	40	5				
6																		
8		G3 30	8.0 12.0		8.0	SP-SM	Orange-brown, poorly-graded SAND with silt (SP-SM), mps=0.25 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm				40	50	10				
10					10.0	SW	Brown, well-graded SAND with gravel (SW), mps=>1.75 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	15	10	15	15	30	15				
12					12.0		Bottom of exploration at 12.0 ft.											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-100

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

Boring No. B-101

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 10, 2007
Finish September 10, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 10	0.0 4.0	NO WELL INSTALLED		SW-SM	Black, well-graded SAND with silt (SW-SM), mps=1.0 in., no odor, moist, trace brick, coal, and glass. -FILL-	PID = 0.0 ppm	5	5	10	20	30	30				
4		G2 36	4.0 8.0		4.0	SW-SM	Dark brown ash, well-graded SAND with silt (SW-SM), mps=1.0 in., no odor, moist, trace brick and coal. -FILL-	PID = 0.0 ppm	5	10	15	20	40	10				
8		G3 30	8.0 12.0		8.0		Black, coal/ash 55%, mps=1.0 in., strong petroleum odor. -FILL-	PID = 0.0 ppm		5	5	10	60	20				
10					10.0	SW	Light brown, well-graded SAND with gravel, mps=1.0 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	20	15	25	25	10	5				
12					12.0		Bottom of exploration at 12.0 ft.											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-101

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

Boring No. B-102

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 10, 2007
Finish September 10, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 36	0.0 4.0	NO WELL INSTALLED		SW	Black ash, well-graded SAND (SW), mps = 1.0 in., slight odor, dry. -FILL-	PID = 10.7 ppm		5	25	40	25	5				
4		G2 36	4.0 8.0		3.0	SP	Brown, poorly-graded SAND (SP), mps = 0.25 in., no odor, dry. -ALLUVIUM-	PID = 0.0 ppm				10	85	5				
8		G3 36	8.0 12.0		7.6	SP	Brown, poorly-graded SAND with gravel (SP), mps = 1.25 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	5	15	25	35	15	5				
12					12.0		Bottom of exploration at 12.0 ft.											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-102

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

Boring No. B-103

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 10, 2007
Finish September 10, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 24	0.0 4.0	NO WELL INSTALLED		SW	Gray-brown, well-graded SAND with gravel (SW), mps = > 1.75 in., no odor, dry. -FILL-	PID = 0.0 ppm	15	15	25	30	10	5				
4		G2 24	4.0 8.0			SW	Gray-brown, well-graded SAND with gravel (SW), mps = > 1.75 in., no odor, dry. -FILL-	PID = 0.0 ppm	15	15	25	30	10	5				
6					6.0	SM	Orange, silty SAND (SM), mps = 1.0 in., no odor, moist, trace coal. -FILL-	PID = 0.0 ppm	5	5	15	20	35	20				
8		G3 44	8.0 12.0		8.6	SW	Brown, well-graded SAND with gravel (SW), mps = > 1.75 in., no odor, dry, lenses of moisture. -ALLUVIUM-	PID = 0.7 ppm	20	15	15	30	15	5				
10								PID = 3.1 ppm										
12		G4 40	12.0 16.0			SW	Brown, well-graded SAND with gravel (SW), mps = 1.75 in., no odor, dry, lenses of moisture. -ALLUVIUM-	PID = 2.7 ppm	20	15	15	30	15	5				
14																		
16					16.0		Bottom of exploration at 16.0 ft.	PID = 0.0 ppm										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 16
Rock Cored (lin. ft.) -
Samples 4G

Boring No. B-103

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High, V-Very High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

Boring No. B-104

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 11, 2007
Finish September 11, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 24	0.0 4.0	NO WELL INSTALLED		SP	Brown, poorly-graded SAND with gravel (SP), mps=1.5 in., no structure, no odor, moist. -FILL-	PID = 0.0 ppm	5	15	25	40	10	5				
4		G2 24	4.0 8.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=1.5 in., no structure, no odor, moist. -FILL-	PID = 0.0 ppm	5	15	25	40	10	5				
					5.0													
6					5.2	SW	2.0 in. layer black ash. -FILL-	PID = 0.0 ppm	5	15	20	30	25	5				
							Brown, well-graded SAND with gravel (SW), mps=1.5 in., no odor, wet. -ALLUVIUM-											
8		G3 24	8.0 12.0			SW	Brown, well-graded SAND with gravel (SW), mps=1.5 in., no odor, wet. -ALLUVIUM-	PID = 0.0 ppm	5	15	20	30	25	5				
10																		
12					12.0		Bottom of exploration at 12.0 ft.											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-104

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

Boring No. B-105

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 11, 2007
Finish September 11, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 16	0.0 4.0	NO WELL INSTALLED			Black ash, poorly-graded silty SAND with gravel (SP-SM), mps = 1.75 in., no odor, moist, 10% coal pieces. -FILL-	PID = 0.4 ppm	5	10	10	10	45	10				
4		G2 0	4.0 8.0		4.0		No recovery.											
8		G3 40	8.0 12.0		8.0		Black ash, poorly-graded silty SAND with gravel (SP-SM), mps = 1.75 in., no odor, moist, 10% coal pieces. -FILL-		5	10	10	10	45	10				
					8.5			PID = 0.0 ppm	5	5	15	15	55	5				
10					9.9		Brown-black, poorly-graded SAND (SP), mps = 1.25 in., no odor, moist, some coal pieces. -FILL-	PID = 0.0 ppm	10	15	20	25	25	5				
					10.0		1 in. black ash. -FILL-											
12					12.0		Brown, well-graded SAND with gravel (SW), mps = 1.5 in., no odor, moist. -ALLUVIUM-											
							Bottom of exploration at 12.0 ft.											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-105

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

Boring No. B-106

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 11, 2007
Finish September 11, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 24	0.0 4.0	NO WELL INSTALLED			-ASPHALT-											
					0.6	SW	Dark brown, well-graded SAND with gravel (SW), mps=1.0 in., no odor, moist, trace brick, coal, and glass. -FILL-	PID = 0.0 ppm	5	10	25	30	25	5				
2																		
4		G2 24	4.0 8.0		3.6	SP	Dark brown, poorly-graded SAND with gravel (SP), mps=1.0 in., no odor, moist, trace coal, wet at 8.0 ft. -FILL-	PID = 0.0 ppm	5	10	15	45	20	5				
6																		
8		G3 36	8.0 12.0		8.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.5 in., no odor, wet. -ALLUVIUM-	PID = 0.0 ppm	10	15	20	35	15	5				
10																		
12					12.0		Bottom of exploration at 12.0 ft.											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-106

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

Boring No. B-107

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 11, 2007
Finish September 11, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 20	0.0 4.0	NO WELL INSTALLED		SP	Dark brown, poorly-graded SAND with gravel (SP), mps=1.0 in., no odor, moist, 5% coal pieces. -FILL-	PID = 0.0 ppm	5	10	10	10	50	15				
4		G2 12	4.0 8.0			SP	Dark brown, poorly-graded SAND with gravel (SP), mps=1.0 in., no odor, moist, 5% coal pieces. -FILL-	PID = 0.0 ppm	5	10	10	10	50	15				
8		G3 24	8.0 12.0		9.0	SW	Brown, well-graded SAND with gravel (SW), mps=1.25 in., no odor, wet. -ALLUVIUM-	PID = 0.0 ppm	5	10	25	30	25	5				
12					12.0		Bottom of exploration at 12.0 ft.											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-107

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA~1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-108

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 11, 2007
Finish September 11, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 36	0.0 4.0	NO WELL INSTALLED		SP-SM	Black ash, poorly-graded SAND with silt (SP-SM), mps=0.1 in., no odor, dry. 50% coal pieces. -FILL-				10	30	10				
4		G2 40	4.0 8.0														
6					6.0	SP-SM	Orange-brown, poorly-graded SAND with silt (SP-SM), mps=0.1 in., no odor, moist. -ALLUVIUM-					60	40				
8		G3 40	8.0 12.0														
10					10.0	SW	Brown, well-graded SAND (SW), mps=1.25 in., no odor, wet. -ALLUVIUM-	10	15	20	25	25	5				
12					12.0		Bottom of exploration at 12.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-108

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE EXPLORATION REPORT

Boring No. B-109

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 11, 2007
Finish September 11, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 36	0.0 4.0	NO WELL INSTALLED		SP	Gray, poorly-graded SAND (SP), mps=0.25 in., no odor, moist, trace of ash. -FILL-			15	50	30	5				
2					2.0	SP	Black ash, poorly-graded SAND (SP), mps = <0.1 in., no odor, moist, 20% ash pieces. -FILL-					80					
4		G2 44	4.0 8.0		3.6	SP	Orange, poorly-graded SAND (SP), mps = <0.1 in., no odor, moist, 20% ash. -FILL-					80					
6					5.0	SP	Orange, poorly-graded SAND (SP), mps=0.25 in., no odor, moist.			5	15	60	20				
					6.0	SP	-ALLUVIUM- Orange, poorly-graded SAND (SP), mps=1.0 in., no odor, dry. -ALLUVIUM-	5	5	10	30	25	25				
8		G3 36	8.0 12.0			SP	Orange, poorly-graded SAND (SP), mps=1.0 in., no odor, dry. -ALLUVIUM-	5	5	10	30	25	25				
10																	
12					12.0		Bottom of exploration at 12.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-109

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE EXPLORATION REPORT

Boring No. B-110

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 11, 2007
Finish September 11, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 36	0.0 4.0	NO WELL INSTALLED		SM	Black ash, silty SAND (SM), mps=1.0 in., no odor, dry, 25% coal pieces, glass and brick fragments. -FILL-		5	10	10	30	20				
2					3.0	SP	Dark orange, poorly-graded SAND (SP), mps 1.5 in., no odor, moist, 10% coal pieces. -FILL-					90					
4		G2 24	4.0 8.0		4.6	SP	Dark orange, poorly-graded SAND (SP), mps=<0.1 in., no odor, wet. -ALLUVIUM-					90	10				
6					7.0	SW	Dark orange, well-graded SAND with gravel (SW), mps=1.5 in., no odor, wet. -ALLUVIUM-	5	10	20	30	30	5				
8		G3 30	8.0 12.0														
10						SW	Dark orange, well-graded SAND with gravel (SW), mps=1.5 in., no odor, wet. -ALLUVIUM-	5	10	20	30	30	5				
12					12.0		Bottom of exploration at 12.0 ft.										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary	
Overburden (lin. ft.)	12
Rock Cored (lin. ft.)	-
Samples	3G

Boring No. B-110

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USGSUB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-111

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 11, 2007
Finish September 11, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 40	0.0 4.0	NO WELL INSTALLED			-ASPHALT-											
					0.6	SW	Gray, well-graded SAND with gravel (SW), mps=1.0 in., no odor, dry, glass pieces, 15% coal pieces.	PID = 0.0 ppm	5	10	25	25	15	5				
2					1.5	SW	-FILL- Black ash, well-graded SAND (SW), mps=1.0 in., no odor, dry, 30% coal pieces. -FILL-	PID = 0.0 ppm	5	5	30	20	5	5				
4		G2 36	4.0 8.0			SW	Black ash, well-graded SAND (SW), mps=1.0 in., no odor, dry, 30% coal pieces. -FILL-	PID = 0.0 ppm	5	5	30	20	5	5				
6					6.0	SP	Orange-brown, poorly-graded SAND (SP), mps=0.1 in., no odor, moist, trace coal pieces. -DISTURBED NATURAL SOIL-					5	90	5				
8		G3 20	8.0 12.0		7.0	SP	Orange-brown, poorly-graded SAND with gravel (SP), mps= 1.5 in., no odor, moist. -ALLUVIUM-		10	15	25	35	10	5				
10																		
12					12.0		Bottom of exploration at 12.0 ft.											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-111

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\133123\005PHA~1\133123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-112

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 11, 2007
Finish September 11, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 12	0.0 4.0	NO WELL INSTALLED		SM	Black ash, silty SAND (SM), mps= 1.0 in., no odor, dry, 30% coal pieces. -FILL-		5	5	20	15	25				
4		G2 24	4.0 8.0			SM	Black ash, silty SAND (SM), mps=1.0 in., no odor, dry, 30% coal pieces. -FILL-		5	5	20	15	25				
8		G3 24	8.0 12.0		9.0	SP	Brown, poorly-graded SAND (SP), mps=1.0 in., no odor, wet. -ALLUVIUM-	5	5	15	40	30	5				
12		G4 44	12.0 16.0		12.0	SW	Brown, well-graded SAND with gravel (SW), mps=1.25 in., no odor, moist. -ALLUVIUM-	10	15	15	30	25	5				
16		G5 24	16.0 20.0														
18						SW	Brown, well-graded SAND with gravel (SW), mps=1.25 in., no odor, moist. -ALLUVIUM-	10	15	15	30	25	5				
20																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 24
Rock Cored (lin. ft.) -
Samples 6G

Boring No. B-112

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005\PHA~1\33123-005 GEOPID.GPJ Jan 4, 08

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GEOPROBE EXPLORATION REPORT

Boring No. B-112
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 24	20.0 24.0			SW	Brown, well-graded SAND with gravel (SW), mps = 1.25 in., no odor, wet at 22.5 ft. -ALLUVIUM-	10	15	15	30	25	5				
22																	
24					24.0		Bottom of exploration at 24.0 ft.										

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA~1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-113

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 11, 2007
Finish September 11, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 24	0.0 4.0	NO WELL INSTALLED		SP	Ash, poorly-graded SAND (SP), mps=1.5 in., no odor, dry, 20% coal fragments, trace brick. -FILL-	5	5	10	25	30	5				
4		G2 36	4.0 8.0		4.0	SP	Orange-brown, poorly-graded SAND (SP), mps= <0.1 in., no structure, no odor, moist. -ALLUVIUM-					100					
8		G3 36	8.0 12.0		8.0	SP	Brown, poorly-graded SAND with gravel(SP), mps=1.25 in., no odor, moist. -ALLUVIUM-	10	10	20	50	10					
12					12.0		Bottom of exploration at 12.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-113

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123005PHA~1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-115

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 12, 2007
Finish September 12, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 10	0.0 4.0	NO WELL INSTALLED			-ASPHALT-											
					0.8	SP	Gray, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, dry. -FILL-	PID = 0.0 ppm		40	30	20	10					
4		G2 4	4.0 8.0		4.0	SP	Dark gray, poorly-graded SAND (SP), mps=2.0 in., no odor, dry. -FILL-	PID = 0.0 ppm	5	10	30	45	10					
8		G3 36	8.0 12.0		8.0	SP	Mottled, black-brown, poorly-graded SAND (SP), mps=1.75 in., no odor, moist, 20% coal pieces. -FILL-	PID = 0.0 ppm		5	15	45	35					
					9.0	SP	Brown, poorly-graded SAND (SP), no odor, moist. -ALLUVIUM-	PID = 0.0 ppm				5	90	5				
10					10.0	SP	Brown, poorly-graded SAND with gravel (SP), MPS=1.0 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	5	10	10	10	60	5				
12		G4 24	12.0 16.0				Grading coarser downward.	PID = 0.0 ppm										
14								PID = 0.0 ppm										
16		G5 40	16.0 20.0		16.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.25 in., no odor, wet. -ALLUVIUM-	PID = 0.0 ppm	10	15	10	50	10	5				
18								PID = 0.0 ppm										
20								PID = 0.0 ppm										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 24
Rock Cored (lin. ft.) -
Samples 6G

Boring No. B-115

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123005\PHA~1\33123-005 GEOPID.GPJ Jan 4, 08

HALEY & ALDRICH

GEOPROBE EXPLORATION REPORT

Boring No. B-115
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 30	20.0 24.0			SP	Gray, poorly-graded SAND with gravel (SP), mps = 1.5 in., slight odor, moist.	PID = 0.0 ppm										
								PID = 0.2 ppm										
22								PID = 3.0 ppm										
								PID = 7.2 ppm										
								PID = 14.5 ppm										
							Wet at 23.0 ft., strong odor.		20	25	20	25	10					
24					24.0		Bottom of exploration at 24.0 ft.	PID = 15.2 ppm										

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

Boring No. B-116

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 12, 2007
Finish September 12, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	PID	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 36	0.0 4.0			SP	Black ash, poorly-graded SAND (SP), mps=1.0 in., no odor, dry, 30% coal pieces. -FILL-	PID = 0.0 ppm		5	25	25	15					
2								PID = 0.0 ppm										
								PID = 0.0 ppm										
								PID = 0.0 ppm										
4		G2 36	4.0 8.0			SP	Black ash, poorly-graded SAND (SP), mps=1.0 in., no odor, dry, 30% coal pieces. -FILL-	PID = 0.3 ppm		5	25	25	15					
								PID = 3.5 ppm										
6					6.0	SP	Brown, poorly-graded SAND (SP), mps=0.25 in., strong petroleum odor, wet. -ALLUVIUM-	PID = 18 ppm				5	90	5				
								PID = 20 ppm										
8		G3 24	8.0 12.0	NO WELL INSTALLED		SP	Brown, poorly-graded SAND (SP), mps=0.25 in., strong petroleum odor, wet. -ALLUVIUM-	PID = 35 ppm				5	90	5				
								PID = 113 ppm										
10								PID = 85.8 ppm										
								PID = 68.1 ppm										
12		G4 36	12.0 16.0			SP	Brown, poorly-graded SAND (SP), mps=0.25 in., strong petroleum odor, wet. -ALLUVIUM-	PID = 44.4 ppm				5	90	5				
								PID = 38.6 ppm										
14					14.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., slight petroleum odor, moist. -ALLUVIUM-	PID = 33.2 ppm	10	15	25	30	15	5				
								PID = 31.1 ppm										
16		G5 36	16.0 20.0					PID = 5.4 ppm										
								PID = 11.2 ppm										
18							Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 4.3 ppm	10	15	25	30	15	5				
								PID = 0.3 ppm										
20																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 24
Rock Cored (lin. ft.) -
Samples 5G

Boring No. B-116

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

Boring No. B-116
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 36	20.0 24.0					PID = 2.1 ppm										
								PID = 10.2 ppm										
22					22.0		Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., strong petroleum odor, wet at 22.0 ft.	PID = 6.1 ppm	10	15	25	30	15	5				
24					24.0		Bottom of exploration at 24.0 ft.											

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B-116

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA~1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-117

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 12, 2007
Finish September 12, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 36	0.0 4.0	NO WELL INSTALLED			-CRUSHED CONCRETE- -FILL-											
2					3.0	SW	Black, well-graded SAND (SW), mps=1.0 in., no odor, dry, 20% coal pieces. -FILL-	PID = 0.0 ppm		5	25	25	20	5				
4		G2 30	4.0 8.0		5.5	SP	Brown, poorly-graded SAND (SP), mps=0.25 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm				5	90	5				
6					9.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.5 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	10	15	10	40	20	5				
8		G3 24	8.0 12.0		12.0		Bottom of exploration at 12.0 ft.											
10																		
12																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-117

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

Boring No. B-118

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 12, 2007
Finish September 12, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 20	0.0 4.0	NO WELL INSTALLED			-CRUSHED CONCRETE AND BRICK- -FILL-	PID = 0.0 ppm										
4		G2 12	4.0 8.0		4.0	SW	Black, ash fill, well-graded SAND (SW), mps=0.75 in., no odor, moist, 20% coal pieces, trace brick. -FILL-	PID = 0.0 ppm			25	35	15	5				
8		G3 10	8.0 12.0		7.5	SP	-DISTURBED NATURAL SOIL-	PID = 0.0 ppm										
					8.0	SP	Brown, poorly-graded SAND (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	5	5	10	15	60	5				
12					12.0		Bottom of exploration at 12.0 ft.											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 2G

Boring No. B-118

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

Boring No. B-119

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 12, 2007
Finish September 12, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 20	0.0 4.0	NO WELL INSTALLED		SP-SM	Gray, poorly-graded SAND with silt (SP-SM), mps=1.75 in., no odor, dry. -FILL-	PID = 0.0 ppm	5	5	10	15	50	10				
2					2.0	SP-SM	Red, poorly-graded SAND with silt (SP-SM), mps=1.0 in., no odor, moist, 10% coal pieces. -FILL- Grade to black	PID = 0.0 ppm		5	5	10	40	30				
4		G2 24	4.0 8.0					PID = 0.0 ppm										
5					5.0	SP	Brown, poorly-graded SAND (SP), mps=0.1 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm					95	5				
6								PID = 0.0 ppm										
8		G3 30	8.0 12.0			SP	Brown, poorly-graded SAND (SP), mps=0.1 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm					95	5				
10					10.5	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.25 in., no odor, dry. -ALLUVIUM-	PID = 0.0 ppm	10	10	10	25	40	5				
12		G4 36	12.0 16.0					PID = 0.0 ppm										
14						SP	Brown, poorly-graded SAND with gravel (SP), mps=1.25 in., no odor, dry. -ALLUVIUM-	PID = 0.0 ppm	10	10	10	25	40	5				
16		G5 48	16.0 20.0		16.0	SP	Yellow-black/red, irregularly stained, poorly-graded SAND with gravel (SP), mps=1.25 in., no odor, dry. -ALLUVIUM-	PID = 0.3 ppm	10	10	10	25	40	5				
18								PID = 0.7 ppm										
20								PID = 0.0 ppm										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 24
Rock Cored (lin. ft.) -
Samples 6G

Boring No. B-119

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

Boring No. B-119
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 36	20.0 24.0			SP	Yellow-black/red, poorly-graded SAND with gravel (SP), mps=1.25 IN., strong petroleum odor, dry. -ALLUVIUM-	PID = 0.3 ppm	10	10	10	25	40	5				
22							Wet at 23.0 ft.	PID = 0.0 ppm PID = 0.0 ppm PID = 0.0 ppm										
24					24.0		Bottom of exploration at 24.0 ft.											

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123005PHA-133123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-120

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 12, 2007
Finish September 12, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 18	0.0 4.0	NO WELL INSTALLED			-CRUSHED PAVEMENT-											
							-FILL-											
2					1.5		Black ash, poorly-graded SAND (SP), mps=1.0 in., no odor, moist, 20% coal pieces. -FILL-	PID = 0.0 ppm		5	5	30	35	5				
4		G2 24	4.0 8.0		4.0		Brown, poorly-graded SAND (SP), mps=0.1 in., no odor, moist, 30% ash pieces. -DISTURBED NATURAL SOIL-	PID = 0.0 ppm					60	10				
6					6.0		Gray, crushed stone, mps= > 1.75 in., -ALLUVIUM-	PID = 0.0 ppm	50	30	5	5	5	5				
					7.0		Brown, poorly-graded SAND (SP), mps=0.25 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm			5	5	85	5				
8		G3 24	8.0 12.0				Brown, poorly-graded SAND (SP), mps=0.25 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm			5	5	85	5				
10					10.5		Brown, poorly-graded SAND with gravel (SP), mps=1.5 in., no odor, wet. -ALLUVIUM-	PID = 0.0 ppm	10	15	30	30	10	5				
12					12.0		Bottom of exploration at 12.0 ft.											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-120

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA~1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-121

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 12, 2007
Finish September 12, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 20	0.0 4.0	NO WELL INSTALLED		SP-SM	Black ash, poorly-graded SAND with silt (SP-SM), mps=0.5 in., no odor, dry, 40% coal pieces. -FILL-	PID = 0.0 ppm				30	20	10				
2																		
4		G2 20	4.0 8.0															
6					6.0	SP	3 in. crushed brick. -FILL-	PID = 0.0 ppm										
					6.3		Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	5	15	20	40	15	5				
8		G3 40	8.0 12.0															
10																		
12		G4 24	12.0 16.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	5	15	20	40	15	5				
14																		
16		0	16.0 20.0				No recovery	PID = 0.0 ppm										
18																		
20																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 24
Rock Cored (lin. ft.) -
Samples 5G

Boring No. B-121

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123005PHA-133123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

HALEY & ALDRICH

Boring No. B-121
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G5 30	20.0 24.0			SP	Brown, poorly-graded SAND with gravel (SP), mps = 1.75 in., no odor, moist. -ALLUVIUM- Wet at 23.0 ft.	PID = 0.0 ppm	5	15	20	40	15	5				
22																		
24					24.0		Bottom of exploration at 24.0 ft.											

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B-121

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123005PHA-1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-122

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 12, 2007
Finish September 12, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 40	0.0 4.0	NO WELL INSTALLED		SP	Black ash, poorly-graded SAND (SP), mps=0.75 in., no odor, dry, 40% coal pieces, trace brick. -FILL-	PID = 0.0 ppm		5	10	30	10	5				
4		G2 24	4.0 8.0		3.8	SP	Brown, poorly-graded SAND (SP), mps=0.1 in., no odor, dry, 20% coal pieces. -DISTURBED NATURAL SOIL-	PID = 0.0 ppm					80					
6					5.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75no odor, moist. -ALLUVIUM- coarsening	PID = 0.0 ppm	5	15	15	45	15	5				
8		G3 30	8.0 12.0															
10						SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	5	20	25	35	10	5				
12					12.0		Bottom of exploration at 12.0 ft.											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-122

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123005PHA~1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-123

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 12, 2007
Finish September 12, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 36	0.0 4.0	NO WELL INSTALLED		SW	Black ash, well-graded SAND (SW), mps=0.25 in., no odor, dry, 40% coal pieces, trace brick. -FILL-	PID = 0.0 ppm			10	25	20	5				
4		G2 36	4.0 8.0		3.9	SP-SM	-DISTURBED NATURAL SOIL- Brown, poorly-graded SAND with silt (SP-SM), mps=0.1 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm PID = 0.0 ppm				5	85	10				
8		G3 24	8.0 12.0		7.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	10	15	30	25	15	5				
12						SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	10	15	30	25	15	5				
					12.0		Bottom of exploration at 12.0 ft.											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-123

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA~1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-124

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 13, 2007
Finish September 13, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 24	0.0 4.0			SP	Brown, poorly-graded SAND (SP), mps=1.5 in., no odor, moist, 35% coal ash. -FILL-	PID = 0.0 ppm		5	5	10	40	5				
4		G2 24	4.0 8.0		3.7	SP	Brown, poorly-graded SAND with gravel (SP), mps=2in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	10	15	25	30	15	5				
8		G3 30	8.0 12.0	NO WELL INSTALLED		SP	Brown, poorly-graded SAND with gravel (SP), mps=2in., no odor, dry. -ALLUVIUM-	PID = 0.0 ppm	10	15	25	30	15	5				
12		G4 36	12.0 16.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=2in., no odor, dry. -ALLUVIUM-	PID = 0.0 ppm	10	15	25	30	15	5				
16		G5 44	16.0 20.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=2in., no odor, wet layers. -ALLUVIUM-	PID = 1.2 ppm PID = 3.0 ppm PID = 0.3 ppm PID = 1.3 ppm	10	15	25	30	15	5				
20																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 24
Rock Cored (lin. ft.) -
Samples 6G

Boring No. B-124

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

Boring No. B-124
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 48	20.0 24.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=2in., no odor, wet layers. -ALLUVIUM-	PID = 2.2 ppm	10	15	25	30	15	5				
22																		
24					24.0		Bottom of exploration at 24.0 ft.											

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA--133123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-125

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 13, 2007
Finish September 13, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 24	0.0 4.0			SP	Black, poorly-graded SAND (SP), mps=0.25 in., slight odor, dry, 35% coal pieces. -FILL-				15	40	10				
2					2.0	SP	Black-brown, poorly-graded SAND (SP), mps=0.25 in., slight odor, dry, 15% coal pieces. -DISTURBED NATURAL SOIL-				5	75	5				
4		G2 44	4.0 8.0		4.6	SP	Brown, poorly-graded SAND (SP), mps=0.25 in., no odor, moist. -ALLUVIUM-				5	90	5				
6																	
8		G3 36	8.0 12.0	NO WELL INSTALLED		SP	Brown, poorly-graded SAND (SP), mps=1.5 in., no odor, moist. -ALLUVIUM-		5	5	70	15	5				
10																	
12		G4 30	12.0 16.0			SP	Brown, poorly-graded SAND (SP), mps=1.5 in., no odor, moist. -ALLUVIUM-		5	5	70	15	5				
14																	
16		G5 44	16.0 20.0		16.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., slight odor, moist. -ALLUVIUM-	5	15	25	35	15	5				
18																	
20																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 24
Rock Cored (lin. ft.) -
Samples 6G

Boring No. B-125

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-1\33123-005 GEOPID.GPJ Jan 4, 08

HALEY & ALDRICH

GEOPROBE EXPLORATION REPORT

Boring No. B-125
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 48	20.0 24.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., slight odor, moist. -ALLUVIUM-	5	15	25	35	15	5				
22							Wet at 23.5 ft.										
24					24.0		Bottom of exploration at 24.0 ft.										

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123005PHA--133123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-126

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 13, 2007
Finish September 13, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 6	0.0 4.0	NO WELL INSTALLED		SW	Brown, well-graded SAND (SW), mps=1.5 in., slight odor, moist, 20% coal pieces. -FILL-	PID = 0.0 ppm		5	25	25	20	5				
4		G2 36	4.0 8.0		4.0		Brown, poorly-graded SAND (SP), mps=0.5 in., slight odor, moist, 45% coal.	PID = 0.0 ppm			5	15	30	5				
					5.0	SP	-DISTURBED NATURAL SOIL- Brown, poorly-graded SAND (SP), mps=0.25 in., slight odor, moist. -ALLUVIUM-	PID = 0.0 ppm				10	85	5				
8		G3 36	8.0 12.0		8.0	SP	Brown, poorly-graded SAND (SP), mps=0.25 in., slight odor, moist. -ALLUVIUM-	PID = 0.0 ppm				10	85	5				
					11.0	SW	Brown, well-graded SAND with gravel (SW), mps=1.5 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	10	15	25	25	20	5				
12					12.0		Bottom of exploration at 12.0 ft.											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-126

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

Boring No. B-127

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 13, 2007
Finish September 13, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 36	0.0 4.0			SP-SM	Black, poorly-graded SAND with silt (SP-SM), mps=0.5 in., no odor, trace brick, dry, 30% coal pieces. -FILL-	PID = 0.0 ppm			5	25	30	10				
2					3.0	SP	Brown, poorly-graded SAND (SP), mps=0.1 in., no odor, dry, 15% coal pieces.	PID = 0.0 ppm				10	70	5				
4		G2 36	4.0 8.0		4.0	SP	-DISTRUBED NATURAL SOIL- Brown, poorly-graded SAND (SP), mps=0.1 in., no odor, dry.	PID = 0.0 ppm				5	90	5				
					5.0	SP	-ALLUVIUM- Brown, poorly-graded SAND with gravel (SP), mps=1.25 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	5	15	35	30	10	5				
8		G3 24	8.0 12.0	NO WELL INSTALLED	8.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.5 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	15	25	20	25	10	5				
12		G4 48	12.0 16.0		12.0	SP	Light brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, dry. -ALLUVIUM-	PID = 0.0 ppm	15	25	30	15	10	5				
16		G5 44	16.0 20.0			SP	Light brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, dry. -ALLUVIUM-	PID = 0.0 ppm	15	25	30	15	10	5				
20																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 24
Rock Cored (lin. ft.) -
Samples 6G

Boring No. B-127

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123005PHA-1\33123-005 GEOPID.GPJ Jan 4, 08

HALEY & ALDRICH

GEOPROBE EXPLORATION REPORT

Boring No. B-127
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 40	20.0 24.0			SP	Gray, poorly-graded SAND with gravel (SP), mps=1.25 in., slight odor, dry. -ALLUVIUM-	PID = 18.1 ppm	5	10	25	20	35	5				
22								PID = 46 ppm										
								PID = 101 ppm										
								PID = 93 ppm										
24					23.5	SP	Gray, poorly-graded SAND with gravel (SP), strong petroleum odor, wet.	PID = 143 ppm	5	10	25	20	35	5				
					24.0		Bottom of exploration at 24.0 ft.											

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123005PHA-1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-128

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 13, 2007
Finish September 13, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 24	0.0 4.0	NO WELL INSTALLED		SP	Black, poorly-graded SAND (SP), mps=1.5 in., no odor, dry, 40% ash pieces. -FILL-	PID = 0.8 ppm		5	5	20	25	5				
2					2.0	SP	Brown, poorly-graded SAND (SP), mps=0.5 in., no odor, moist, 50% ash. -FILL-	PID = 8.9 ppm				5	40	5				
4		G2 36	4.0 8.0		4.0	SP	Brown, poorly-graded SAND (SP), mps=0.25 in., no odor, moist. -ALLUVIUM-	PID = 8.4 ppm				10	85	5				
6								PID = 4.6 ppm										
8		G3 24	8.0 12.0		7.0	SP	Brown, poorly-graded SAND with gravel (SP), mps= > 1.75 in., no odor, moist. -ALLUVIUM-	PID = 5.0 ppm	10	20	20	25	20	5				
								PID = 4.6 ppm										
10								PID = 1.5 ppm										
								PID = 15.3 ppm										
								PID = 1.5 ppm										
12		G4 48	12.0 16.0		12.0	SP	Brown, poorly-graded SAND (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 1.7 ppm				5	90	5				
								PID = 6.3 ppm										
14					14.0	SP	Brown, poorly-graded SAND (SP), mps=0.25 in., no odor, moist. -ALLUVIUM-	PID = 1.8 ppm	10	20	20	25	20	5				
								PID = 1.8 ppm										
16		G5 48	16.0 20.0			SP	Brown, poorly-graded SAND (SP), mps= > 1.75 in., no odor, moist. -ALLUVIUM-	PID = 1.7 ppm	10	20	20	25	20	5				
								PID = 1.8 ppm										
18								PID = 0.3 ppm										
20								PID = 1.0 ppm										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 22
Rock Cored (lin. ft.) -
Samples 6G

Boring No. B-128

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

Boring No. B-128
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 14	20.0 22.0			SP	Brown, poorly-graded SAND (SP), mps = > 1.25 in., no odor, moist.	PID = 0.8 ppm	10	20	20	25	20	5				
						SP	-ALLUVIUM- Brown, poorly-graded SAND (SP), mps = 1.25 in., strong petroleum odor, wet at 21.0 ft.	PID = 2.0 ppm	10	20	20	25	20	5				
22					22.0		Refusal at ~22.0 ft., possible bedrock. Bottom of exploration at 22.0 ft.	PID = 4.7 ppm										

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA~1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-129-MW

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 13, 2007
Finish September 13, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 24	0.0 4.0			SP	Black, poorly-graded SAND, mps=0.25 in., no odor, moist, 40% coal pieces, trace brick. -FILL-	PID = 0.8 ppm			5	30	20	5				
2								PID = 0.8 ppm										
					3.0	SP	Brown, poorly-graded SAND (SP), mps=0.3 in., no odor, moist, 25% coal pieces. -DISTURBED NATURAL SOILS-					10	60	5				
4		G2 24	4.0 8.0					PID = 0.8 ppm										
					5.0	SP	Brown, poorly-graded SAND (SP), mps=0.3 in., no odor, moist. -ALLUVIUM-	PID = 1.0 ppm				10	85	5				
6								PID = 0.7 ppm										
8		G3 24	8.0 12.0	NO WELL INSTALLED		SP	Brown, poorly-graded SAND (SP), mps=0.3 in., no odor, moist. -ALLUVIUM-	PID = 0.8 ppm				10	85	5				
								PID = 1.0 ppm										
10					10.6	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.25 in., no odor, moist. -ALLUVIUM-	PID = 0.8 ppm	5	10	25	25	30	5				
12		G4 30	12.0 16.0					PID = 0.8 ppm										
								PID = 0.7 ppm										
14								PID = 0.7 ppm										
								PID = 0.5 ppm										
16		G5 36	16.0 20.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=1.25 in., no odor, dry. -ALLUVIUM-	PID = 0.0 ppm	5	10	25	25	30	5				
								PID = 0.0 ppm										
18								PID = 0.0 ppm										
								PID = 0.0 ppm										
20																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 32
Rock Cored (lin. ft.) -
Samples 6G

Boring No. B-129-MW

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA--1\33123-005 GEOPID.GPJ Jan 4, 08

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GEOPROBE EXPLORATION REPORT

Boring No. B-129-MW
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 24	20.0 24.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=1.25 in., no odor, dry. -ALLUVIUM-	PID = 0.3 ppm	5	10	25	25	30	5				
22								PID = 32.2 ppm										
					23.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.25 in., strong petroleum odor, wet. -ALLUVIUM-	PID = 16 ppm	5	10	25	25	30	5				
24		G7 34	24.0 28.0		24.0	SP	Gray, poorly-graded SAND with gravel (SP), mps=2 in., petroleum odor, wet. -ALLUVIUM-	PID = 2.2 ppm	5	25	25	25	15	5				
26								PID = 2.11 ppm										
								PID = 1.8 ppm										
28								PID = 1.0 ppm										
		G8 104	28.0 32.0			SP	Gray, poorly-graded SAND with gravel (SP), mps=2 in., petroleum odor, wet. -ALLUVIUM-	PID = 0.8 ppm										
30																		
32					32.0		Bottom of exploration at 32.0 ft.											

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B-129-MW

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA~1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-130

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 14, 2007
Finish September 14, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 24	0.0 4.0	NO WELL INSTALLED		SP	Black, poorly-graded SAND (SP), mps = 1.5 in., no odor, dry, 30% coal pieces, trace brick. -FILL-		5	30	15	15	5				
3.0						SP	Black-brown, poorly-graded SAND (SP), mps=1.5 in., no odor, moist, 10% coal pieces, trace brick. -FILL-		5	10	15	55	5				
4		G2 40	4.0 8.0														
5.0						SP	Brown, poorly-graded SAND (SP), mps = <0.25 in. no odor, moist. -ALLUVIUM-				5	90	5				
8		G3 30	8.0 12.0														
10.0						SP	Brown, poorly-graded SAND with gravel (SP), mps=2 in. no odor, wet. -ALLUVIUM-	5	20	15	30	25	5				
12		G4 24	12.0 16.0														
16		G5 30	16.0 20.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=2 in. no odor, dry. -ALLUVIUM-	5	20	15	30	25	5				
20																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 24
Rock Cored (lin. ft.) -
Samples 6G

Boring No. B-130

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCST3A.GDT G:\PROJECTS\33123005PHA~1\33123-005 GEOPID.GPJ Jan 4, 08

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GEOPROBE EXPLORATION REPORT

Boring No. B-130
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 36	20.0 24.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=2 in. no odor, dry. -ALLUVIUM-	5	20	15	30	25	5				
22																	
					23.0	SP	Gray, poorly-graded SAND with gravel (SP), mps=2 in. strong petroleum odor, wet at 23.0 ft.	5	20	15	30	25	5				
24					24.0		-ALLUVIUM- Bottom of exploration at 24.0 ft.										

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B-130

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-133123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-131

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 14, 2007
Finish September 14, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 24	0.0 4.0	NO WELL INSTALLED			-CEMENT- Crushed, red brick -FILL-										
2					2.0		Gray, poorly-graded SAND (SP), mps=2in., no odor, dry. -ALLUVIUM- Refusal at 4.0 ft.				95	5					
4					4.0		Bottom of exploration at 4.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 4
Rock Cored (lin. ft.) -
Samples 1G

Boring No. B-131

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123005PHA-133123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-132

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 14, 2007
Finish September 14, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1	0.0	NO WELL INSTALLED			-CEMENT-	PID = 0.0 ppm										
		3	4.0		0.5	SW	Brown, well-graded SAND with gravel (SW), mps=2 in., no odor,moist. -ALLUVIUM-	PID = 0.0 ppm	25	5	25	20	20	5				
4		G2	4.0		4.0	SP	Brown, poorly-graded SAND with silt (SP), mps=0.1 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm				10	50	40				
		44	8.0															
8		G3	8.0		8.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.5 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	5	15	20	25	30	5				
		24	12.0															
12					12.0		Bottom of exploration at 12.0 ft.											

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-132

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-133123-005.GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-133

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 17, 2007
Finish September 17, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 24	0.0 4.0	NO WELL INSTALLED			-CONCRETE-											
					0.5	SP-SM	Brown-black, poorly-graded SAND with silt (SP-SM), mps=0.25 in., no odor, dry. -FILL-	PID = 0.0 ppm			15	20	55	10				
2					2.0	SP	Black, poorly-graded SAND (SP), mps=0.75 in., no odor, dry, 30% coal pieces, 5% brick. -FILL-	PID = 0.0 ppm			5	10	40	10				
4		G2 24	4.0 8.0		3.9	SP	Brown, poorly-graded SAND (SP), mps= <0.25 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm				5	90	5				
8		G3 16	8.0 12.0		8.6	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	15	15	10	20	30	10				
12		G4 18	12.0 16.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, dry. -ALLUVIUM-	PID = 0.0 ppm	15	15	10	20	30	10				
16		G5 24	16.0 20.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	15	15	10	20	30	10				
18					18.6	SP	Brown, poorly-graded SAND with gravel (SP), mps=2 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	25	15	15	25	15	5				
20																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 24
Rock Cored (lin. ft.) -
Samples 6G

Boring No. B-133

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters)

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123005PHA~1\33123-005 GEOPID.GPJ Jan 4, 08

HALEY & ALDRICH

GEOPROBE EXPLORATION REPORT

Boring No. B-133
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test: Dilatancy	Field Test: Toughness	Field Test: Plasticity	Field Test: Strength
20		G6 36	20.0 24.0		20.0	SP	Brown, well-graded SAND with gravel (SP), mps = 1.75 in., no odor, dry. -ALLUVIUM-	PID = 0.2 ppm	10	15	25	25	20	6				
22								PID = 1.1 ppm										
								PID = 1.8 ppm										
						SP	Brown, well-graded SAND with gravel (SP), mps = 1.75 in., chemical odor, wet at 23.0 ft..	PID = 6.7 ppm	10	15	25	25	20	5				
24					24.0		-ALLUVIUM- Bottom of exploration at 24.0 ft.											

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B-133

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-133123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-134

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 17, 2007
Finish September 17, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 36	0.0 4.0	NO WELL INSTALLED			-ASPHALT-											
					0.5	SP-SM	Brown, poorly-graded SAND with silt (SP-SM), mps=1.5 in., no odor, dry.		5	15	15	15	40	10				
2					2.0	SP	-ALLUVIUM-	PID = 0.0 ppm	5	10	5	10	60	10				
							Brown, poorly-graded SAND with gravel (SP), mps=1.5 in., no odor, dry. -ALLUVIUM-											
4		G2 36	4.0 8.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=1.5 in., no odor, dry. -ALLUVIUM-	PID = 0.0 ppm	5	10	5	10	60	10				
6					6.0	SP	Brown, poorly-graded SAND (SP), mps=0.5 in., no odor, dry.	PID = 0.0 ppm			5	30	60	5				
					6.6	SP	-ALLUVIUM-	PID = 0.0 ppm		5	5	5	75	10				
8		G3 40	8.0 12.0				Brown, poorly-graded SAND (SP), mps=1 in., no odor, moist. -ALLUVIUM-											
10					10.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, wet. -ALLUVIUM-	PID = 0.0 ppm	5	15	15	30	30	5				
12					12.0		Bottom of exploration at 12.0 ft.											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-134

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-135

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 1
Start September 17, 2007
Finish September 17, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 36	0.0 4.0	NO WELL INSTALLED			-ASPHALT-											
					0.5	SP	Black-brown, poorly-graded SAND (SP), mps=1.5 in., no odor, dry, 15% coal, 5% brick. -FILL-	PID = 0.0 ppm		5	15	15	40	5				
2																		
4		G2 24	4.0 8.0															
					4.6	SP	Brown, poorly-graded SAND (SP), mps=0.2 in., no odor, moist, 10% coal, 10% brick. -DISTURBED NATURL SOILS-	PID = 0.0 ppm				5	70	5				
6																		
					7.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1 in., no odor, moist.	PID = 0.0 ppm		5	5	5	80	5				
8		G3 24	8.0 12.0		8.0	SP	-ALLUVIUM- Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	5	15	15	15	45	5				
10																		
12					12.0		Bottom of exploration at 12.0 ft.											

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary
Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-135

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-136

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 17, 2007
Finish September 17, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 24	0.0 4.0				-ASPHALT-											
					0.5	SP	Black, poorly-graded SAND (SP), mps=0.5 in., no odor, dry, 15% coal pieces, trace brick. -FILL-	PID = 0.0 ppm				10	60	15				
2					2.0	SP	Brown, poorly-graded SAND (SP), mps=1.25 in., no odor, dry. -ALLUVIUM-	PID = 0.0 ppm		5	15	20	50	10				
4		G2 2	4.0 8.0				No recovery											
6																		
8		G3 20	8.0 12.0	NO WELL INSTALLED	8.0		Brown, poorly-graded SAND (SP), mps=1.25 in., no odor, dry. -ALLUVIUM-											
					9.6	SP	Brown, poorly-graded SAND (SP), mps=<0.1 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm				5	90	5				
10					10.6	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	15	20	10	20	30	5				
12		G4 24	12.0 16.0															
14					14.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	15	20	25	20	15	5				
16		G5 40	16.0 20.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, dry. -ALLUVIUM-	PID = 0.0 ppm	15	20	25	20	15	5				
18																		
20																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 24
Rock Cored (lin. ft.) -
Samples 6G

Boring No. B-136

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA~1\33123-005 GEOPID.GPJ Jan 4, 08

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GEOPROBE EXPLORATION REPORT

Boring No. B-136
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 36	20.0 24.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 4.8 ppm	15	20	25	20	15	5				
								PID = 53.3 ppm										
22								PID = 56.3 ppm										
						SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., strong petroleum odor, wet at 24.0 ft..	PID = 59.8 ppm	15	20	25	20	25	5				
24					24.0		Bottom of exploration at 24.0 ft.											

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B-136

GEOPROBE PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123005PHA~1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-137

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 17, 2007
Finish September 17, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 8	0.0 4.0	NO WELL INSTALLED	0.5		-ASPHALT-	PID = 1.1 ppm										
							Crushed brick and ash	PID = 1.2 ppm										
2							-FILL-											
4		G2 10	4.0 8.0		4.0	SP	Black, poorly-graded SAND with gravel (SP), mps=1.75 in., strong petroleum odor, wet.	PID = 8.2 ppm	20	20	10	15	30	5				
							-ALLUVIUM-	PID = 7.8 ppm										
6																		
8		G3 24	8.0 12.0					PID = 9.0 ppm										
					9.0	SP	Black, poorly-graded SAND (SP), mps= 1.5 in., petroleum odor, wet.	PID = 19.6 ppm		5	20	25	45	5				
10							-ALLUVIUM-	PID = 8.0 ppm										
					11.0	SP	Black, poorly-graded SAND with gravel (SP), mps=1.75 in., petroleum odor, dry.	PID = 19.0 ppm	15	25	15	15	25	5				
12		G4 24	12.0 16.0				-ALLUVIUM-	PID = 22.3 ppm										
14						SP	Black, poorly-graded SAND with gravel (SP), mps=1.75 in., strong petroleum odor, wet.		15	25	15	15	25	5				
16		G5 40	16.0 20.0		16.0	SP	-ALLUVIUM-	PID = 21.7 ppm				5	80	15				
							Gray-black, poorly-graded SAND (SP), mps=0.1 in., strong petroleum odor, moist.											
18							-ALLUVIUM-											
20								PID = 24.3 ppm										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 24
Rock Cored (lin. ft.) -
Samples 6G

Boring No. B-137

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE PID USCSLIB4.GLB USCGSTC3A.GDT G:\PROJECTS\33123005PHA-133123-005 GEOPID.GPJ Jan 4, 08

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GEOPROBE EXPLORATION REPORT

Boring No. B-137
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 40	20.0 24.0			SP	Gray-black, poorly-graded SAND (SP), mps=0.1 in., strong petroleum odor, wet. -ALLUVIUM-	PID = 22.3 ppm				5	80	15				
22						SP	Gray-black, poorly-graded SAND (SP), mps=0.1 in., strong petroleum odor, wet. -ALLUVIUM-	PID = 37.1 ppm				5	80	15				
24					24.0		Bottom of exploration at 24.0 ft.											

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B-137

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-138

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 18, 2007
Finish September 18, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 36	0.0 4.0	NO WELL INSTALLED			-ASPHALT-											
					0.5	SP	Black ash, poorly-graded SAND (SP), mps=0.5 in., no odor, dry, 25% coal pieces, 6 in. wood. -FILL-	PID = 0.0 ppm			5	10	50	10				
2					2.0	SP	Black, poorly-graded SAND (SP), mps=0.75 in., no odor, dry, 20% coal pieces. -FILL-	PID = 0.0 ppm			15	25	35	5				
4		G2 20	4.0 8.0															
6																		
8		G3 30	8.0 12.0		7.0	SP-SM	Brown, poorly-graded SAND with silt (SP-SM), mps=0.1 in., no odor, moist, 15% coal pieces. -DISTURBED NATURAL SOILS-	PID = 0.0 ppm				5	70	10				
					8.0	SP-SM	Brown, poorly-graded SAND with silt (SP-SM), mps=0.75 in., no odor, moist, 15% coal pieces. -ALLUVIUM-	PID = 0.0 ppm			5	10	75	10				
10					10.0	SW	Brown, well-graded SAND with gravel (SW), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	5	10	30	25	25	5				
12		G4 24	12.0 16.0															
14					15.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, dry. -ALLUVIUM-	PID = 0.0 ppm	15	15	30	20	15	5				
16		G5 24	16.0 20.0															
18					17.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, dry. -ALLUVIUM-	PID = 0.0 ppm	5	15	15	20	35	10				
20																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 23
Rock Cored (lin. ft.) -
Samples 5G

Boring No. B-138

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123000\PHA--133123-005 GEOPID.GPJ Jan 4, 08

HALEY & ALDRICH

GEOPROBE EXPLORATION REPORT

Boring No. B-138
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 30	20.0 23.0					PID = 1.4 ppm										
								PID = 1.7 ppm										
22						SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., slight odor, moist.	PID = 1.3 ppm	5	15	15	20	35	10				
					23.0		Refusal at 23.0 ft.											
							Bottom of exploration at 23.0 ft.											

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-139

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 18, 2007
Finish September 18, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 20	0.0 4.0	NO WELL INSTALLED			-ASPHALT-											
					0.5	SW	Brown, well-graded SAND with gravel (SW), mps=1.75 in., no odor, moist. -FILL-	PID = 0.0 ppm	5	15	25	25	25	5				
2					2.0	SM	Black, silty SAND (SM), mps=1 in., no odor, dry, 10% coal pieces. -FILL-	PID = 0.0 ppm			10	30	35	15				
4		G2 36	4.0 8.0		4.6	SM	Crushed brick	PID = 0.0 ppm										
					4.8		Black, silty SAND (SM), mps=1 in., no odor, dry, 10% coal pieces. -FILL-	PID = 0.0 ppm			15	25	35	15				
6																		
8		G3 24	8.0 12.0		7.8		Black-brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, dry, 10% coal pieces, trace brick. -FILL-	PID = 0.0 ppm	15	20	20	10	15	10				
10																		
12		G4 30	12.0 16.0					PID = 0.0 ppm										
					12.6	SP-SM	Tan, poorly-graded SAND with silt (SP-SM), mps 1.75 in., no odor, dry. -ALLUVIUM-	PID = 0.0 ppm	15	20	15	15	25	10				
14								PID = 0.8 ppm										
								PID = 1.1 ppm										
16		G5 40	16.0 20.0					PID = 1.1 ppm										
						SP-SM	Tan, poorly-graded SAND with silt (SP-SM), mps 1.75 in., no odor, dry. -ALLUVIUM-	PID = 1.3 ppm	15	20	15	15	25	10				
18								PID = 1.7 ppm										
								PID = 0.1 ppm										
								PID = 0.3 ppm										
								PID = 0.3 ppm										
20								PID = 0.9 ppm										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 24
Rock Cored (lin. ft.) -
Samples 6G

Boring No. B-139

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

HALEY & ALDRICH

Boring No. B-139
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 36	20.0 24.0			SP-SM	Tan, poorly-graded SAND with silt (SP-SM), mps 1.75 in., no odor, moist.	PID = 0.7 ppm PID = 0.3 ppm PID = 2.3 ppm PID = 3.8 ppm	15	20	15	15	25	10				
22						SP-SM	Tan, poorly-graded SAND with silt (SP-SM), mps 1.75 in., petroleum odor, moist.	PID = 3.6 ppm PID = 8.7 ppm PID = 12.3 ppm	15	20	15	15	25	10				
24					24.0	SP-SM	Tan, poorly-graded SAND with silt (SP-SM), mps 1.75 in., petroleum odor, wet at 23.5 ft.. Bottom of exploration at 24.0 ft.	PID = 13.7 ppm	15	20	15	15	25	10				

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B-139

GEOPROBE PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-133123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-140

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 18, 2007
Finish September 18, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 <1	0.0 4.0	NO WELL INSTALLED			Black-brown ash, moist, 20% coal pieces. -FILL-					5	65	10				
4		G2 12	4.0 8.0					PID = 12.0 ppm										
					5.0	SP-SM	Brown, poorly-graded SAND with silt and gravel (SP-SM), mps=1.5 in., no odor, moist. -ALLUVIUM-	PID = 8.0 ppm	10	15	10	15	40	10				
								PID = 11.3 ppm										
8		G3 30	8.0 12.0			SP-SM	Brown, poorly-graded SAND with silt and gravel (SP-SM), mps=1.5 in., no odor, dry. -ALLUVIUM-	PID = 7.2 ppm	10	15	10	15	40	10				
12		G4 40	12.0 16.0			SP-SM	Brown, poorly-graded SAND with silt and gravel (SP-SM), mps=1.5 in., no odor, dry. -ALLUVIUM-		10	15	10	15	40	10				
16		G5 24	16.0 20.0															
20																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 24
Rock Cored (lin. ft.) -
Samples 6G

Boring No. B-140

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

HALEY & ALDRICH

Boring No. B-140
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 48	20.0 24.0			SP-SM	Brown, poorly-graded SAND with silt and gravel (SP-SM), mps = 1.5 in., no odor, dry. -ALLUVIUM-	10	15	10	15	40	10				
22					22.0	SP-SM	Brown, poorly-graded SAND with silt and gravel (SP-SM), mps = > 1.75 in., no odor, dry. -ALLUVIUM-	20	15	15	20	30	10				
24					24.0		Wet at 22.5 ft. Bottom of exploration at 24.0 ft.										

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCST3A.GDT G:\PROJECTS\33123\005PHA-1\33123-005 GEOPID.GPJ Jan 4, 08
SIZE

GEOPROBE EXPLORATION REPORT

Boring No. B-141

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 18, 2007
Finish September 18, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 20	0.0 4.0	NO WELL INSTALLED			-ASPHALT-										
					0.5	SP-SM	Black, poorly-graded SAND with silt (SP-SM), mps=0.25 in., no odor, dry, 20% coal pieces. -FILL-			10	20	40	10				
4		G2 24	4.0 8.0		4.0	SM	Brown, silty SAND (SM), mps=0.2 in., no odor, moist, 10% coal.				10	65	15				
					5.0	SM	-DISTURBED NATURAL SOILS- Brown, silty SAND (SM), mps=<0.25 in., no odor, moist. -ALLUVIUM-				10	75	15				
8		G3 42	8.0 12.0		7.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	10	20	15	15	35	5				
12		G4 40	12.0 16.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	10	20	15	15	35	5				
16		G5 48	16.0 20.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, dry. -ALLUVIUM-	10	20	15	15	35	5				
20																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 24
Rock Cored (lin. ft.) -
Samples 6G

Boring No. B-141

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

GEOPROBE EXPLORATION REPORT

Boring No. B-141
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 44	20.0 24.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, dry. -ALLUVIUM-	10	20	15	15	35	5				
22							Wet at 24.0 ft.										
24					24.0		Bottom of exploration at 24.0 ft.										

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-142

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 18, 2007
Finish September 18, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 10	0.0 4.0	NO WELL INSTALLED			-CONCRETE-											
					0.5	SP-SM	Brown, poorly-graded SAND with silt and gravel (SP-SM), mps = 1.75 in., no odor, dry, 5% cullet, trace brick.	PID = 0.3 ppm	5	10	10	20	40	10				
2							-FILL-	PID = 0.3 ppm										
								PID = 0.0 ppm										
4		G2 8	4.0 8.0		4.0	SW	Brown, well-graded SAND with gravel (SW), mps = 1.5 in., no odor, moist.	PID = 0.0 ppm	5	10	30	30	20	5				
							-FILL-	PID = 0.1 ppm										
6																		
8		G3 36	8.0 12.0					PID = 0.1 ppm										
					8.6		-CONCRETE-											
10					9.6	SW	Yellow-brown, well-graded SAND with gravel (SW), mps = 1.5 in., no odor, wet.	PID = 18 ppm	5	10	30	30	20	5				
							-ALLUVIUM-	PID = 12.7 ppm										
12					12.0		Bottom of exploration at 12.0 ft.	PID = 10.7 ppm										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 12
Rock Cored (lin. ft.) -
Samples 3G

Boring No. B-142

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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GEOPROBE EXPLORATION REPORT

Boring No. B-143-MW

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 19, 2007
Finish September 19, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 12	0.0 4.0				-CONCRETE-											
					0.8	SP	Brown, poorly-graded SAND with gravel (SP), mps = > 1.75 in., no odor, moist. -FILL-	PID = 0.3 ppm	30	15	20	15	15	5				
4		G2 18	4.0 8.0		4.0	SP	Brown-black, poorly-graded SAND with gravel (SP), mps = > 1.75 in., no odor, moist, 10% coal pieces. -FILL-	PID = 0.0 ppm	10	20	15	15	25	5				
6								PID = 0.0 ppm										
								PID = 0.0 ppm										
8		G3 24	8.0 12.0	NO WELL INSTALLED		SP	Brown-black, poorly-graded SAND with gravel (SP), mps = > 1.75 in., no odor, moist, 10% coal pieces. -FILL-	PID = 0.0 ppm	10	20	15	15	25	5				
								PID = 0.1 ppm										
10								PID = 0.1 ppm										
								PID = 1.0 ppm										
12		G4 12	12.0 16.0		12.0	SP	Brown, poorly-graded SAND (SP), mps = > 1.75 in., no odor, dry, 50% crushed rock (granite). -ALLUVIUM-	PID = 1.1 ppm				15	30	5				
14																		
16		G5 12	16.0 20.0		16.0	SP-SM	Brown, poorly-graded SAND with silt and gravel (SP-SM), mps = 1.5 in., no odor, dry. -ALLUVIUM-			15	20	20	35	10				
18					18.0	SP	Brown, poorly-graded SAND with gravel (SP), mps = 1.75 in., no odor, moist. -ALLUVIUM-		15	35	15	20	10	5				
20								PID = 4.6 ppm										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 28
Rock Cored (lin. ft.) -
Samples 7G

Boring No. B-143-MW

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-133123-005 GEOPID.GPJ Jan 4, 08

HALEY & ALDRICH

GEOPROBE EXPLORATION REPORT

Boring No. B-143-MW
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 24	20.0 24.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 4.4 ppm	15	35	15	20	10	5				
								PID = 8.1 ppm										
22								PID = 7.7 ppm										
						SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., strong petroleum odor, wet at 23.5 ft..	PID = 131.0 ppm	15	35	15	20	10	5				
24		G7 24	24.0 28.0			SP	-ALLUVIUM-		15	35	15	20	10	5				
							Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., strong petroleum odor, wet. -ALLUVIUM-	PID = 87.3 ppm										
26								PID = 88.3 ppm										
								PID = 108 ppm										
28					28.0		Bottom of exploration at 28.0 ft.											

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-144-MW

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 19, 2007
Finish September 19, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 20	0.0 4.0	NO WELL INSTALLED		SP	Brown, poorly-graded SAND with gravel (SP), mps = 1.75 in., petroleum odor, moist. -ALLUVIUM-	PID = 0.8 ppm	10	20	20	25	20	5				
2								PID = 1.2 ppm										
								PID = 1.2 ppm										
4								PID = 4.0 ppm										
		G2 36	4.0 8.0		4.0	SP	Brown, poorly-graded SAND (SP), mps = <0.5 in., petroleum odor, moist. -ALLUVIUM-	PID = 3.8 ppm				5	90	5				
6								PID = 0.1 ppm										
								PID = 0.1 ppm										
					7.0	SP	Brown, well-graded SAND with gravel (SP), mps = 1.75 in., petroleum odor, moist. -ALLUVIUM-	PID = 0.1 ppm	10	15	25	25	20	5				
8		G3 36	8.0 12.0					PID = 0.6 ppm										
								PID = 0.5 ppm										
10								PID = 0.2 ppm										
								PID = 0.2 ppm										
12		G4 30	12.0 16.0			SP	Brown, well-graded SAND with gravel (SP), mps = 1.75 in., slight odor, moist. -ALLUVIUM-	PID = 0.2 ppm	10	15	25	25	20	5				
								PID = 0.2 ppm										
14					14.0	SP	Brown to dark brown, well-graded SAND with silt and gravel (SP), mps = 1.75 in., slight odor, moist. -ALLUVIUM-	PID = 0.6 ppm	5	10	30	25	20	10				
16		G5 24	16.0 20.0															
18						SP	Brown to dark brown, well-graded SAND with silt and gravel (SP), mps = 1.75 in., slight odor, moist. -ALLUVIUM-		5	10	30	25	20	10				
20					19.5		Brown, poorly-graded SAND with gravel (SP),		10	25	30	15	15	5				

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 28
Rock Cored (lin. ft.) -
Samples 7G

Boring No. B-144-MW

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-1\33123-005 GEOPID.GPJ Jan 4, 08

HALEY & ALDRICH

GEOPROBE EXPLORATION REPORT

Boring No. B-144-MW
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20		G6 20	20.0 24.0			SP	mps = > 1.75 in., slight odor, moist. -ALLUVIUM-										
22					22.0	SP	Brown, poorly-graded SAND with gravel (SP), mps = > 1.75 in., petroleum odor, wet at 22.0 ft. -ALLUVIUM-	10	25	30	15	15	5				
24		G7 30	24.0 28.0			SP	Brown, poorly-graded SAND with gravel (SP), mps = > 1.75 in., petroleum odor, wet. -ALLUVIUM-	10	25	30	15	15	5				
26																	
28					28.0		Bottom of exploration at 28.0 ft.										

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B-144-MW

GEOPROBE.PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

Boring No. B-145-MW

Project Tioga Avenue Site Phase II Corning, New York
Client Corning Property Mgmt. Corp.
Contractor Nothanagle Drilling

File No. 33123-005
Sheet No. 1 of 2
Start September 19, 2007
Finish September 19, 2007
Driller K. Bush
H&A Rep. B. Zinni
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	PVC	-	Rig Make & Model: Truck/Geoprobe
Inside Diameter (in.)	-	2	-	Bit Type: -
Hammer Weight (lb.)	-	140	-	Drill Mud: -
Hammer Fall (in.)	-	30	-	Casing: -
				Hoist/Hammer: - -

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G1 28	0.0 4.0	NO WELL INSTALLED			-ASPHALT-											
					0.5	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist.	PID = 0.0 ppm	10	10	15	15	45	5				
					1.0	SP-SM	-FILL-	PID = 0.3 ppm			10	20	25	10				
2							Black, poorly-graded SAND with silt (SP-SM), mps=0.5 in., no odor, moist, 35% coal pieces.	PID = 0.4 ppm										
					2.5	SP	-FILL-					15	70	5				
							Brown, poorly-graded SAND (SP), mps=0.25 in., no odor, moist, 10% coal pieces.	PID = 0.6 ppm										
4		G2 36	4.0 8.0		4.0	SP	-FILL-	PID = 0.0 ppm				10	85	5				
							Brown, poorly-graded SAND (SP), mps=0.3 in., no odor, moist.											
6							-ALLUVIUM-											
					7.0	SW	Brown, well-graded SAND with gravel (SW), mps= in., no odor, moist.	PID = 0.0 ppm	15	20	20	20	20	5				
8		G3 30	8.0 12.0				-ALLUVIUM-											
					10.0	SM	Brown, silty SAND (SM), mps=0.25 in., no odor, moist.	PID = 0.0 ppm				5	80	15				
10					11.0	SW	-ALLUVIUM-	PID = 0.0 ppm	10	15	20	25	25	5				
							Brown, well-graded SAND with gravel (SW), mps=1.75 in., no odor, moist.											
12		G4 24	12.0 16.0				-ALLUVIUM-											
14																		
					15.0	SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist.	PID = 0.0 ppm	15	25	30	15	10	5				
16		G5 36	16.0 20.0				-ALLUVIUM-											
18																		
20																		

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.) 28
Rock Cored (lin. ft.) -
Samples 7G

Boring No. B-145-MW

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE.PID USCSUB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA~1\33123-005 GEOPID.GPJ Jan 4, 08

GEOPROBE EXPLORATION REPORT

HALEY & ALDRICH

Boring No. B-145-MW
File No. 33123-005
Sheet No. 2 of 2

Depth (ft.)	SPT[1]	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size[2], structure, odor, moisture, optional descriptions, geologic interpretation)		Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test: Dilatancy	Field Test: Toughness	Field Test: Plasticity	Field Test: Strength
20		G6 30	20.0 24.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., no odor, moist. -ALLUVIUM-	PID = 0.0 ppm	15	25	30	15	10	5				
22							Wet at 22.0 ft.	PID = 0.1 ppm										
								PID = 0.0 ppm										
24		G7 24	24.0 28.0			SP	Brown, poorly-graded SAND with gravel (SP), mps=1.75 in., slight odor, wet. -ALLUVIUM-	PID = 1.3 ppm	15	25	30	15	10	5				
26								PID = 0.1 ppm										
								PID = 0.0 ppm										
28					28.0		Bottom of exploration at 28.0 ft.											

[1]SPT = Sampler blows per 6 in. [2]Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

GEOPROBE PID USCSLIB4.GLB USCSTC3A.GDT G:\PROJECTS\33123\005PHA-1133123-005 GEOPID.GPJ Jan 4, 08

OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

Well No. B 246-MW

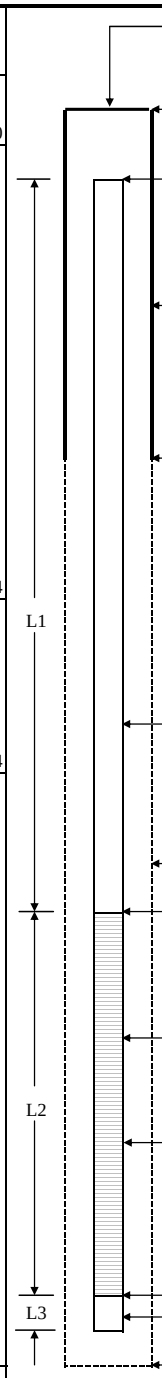
Boring No. B 246-MW

PROJECT	Corning Fallbrook	**H&A FILE NO.**	33123-011
LOCATION	Corning,NY	**PROJECT MGR.**	G. White
CLIENT	Corninng Incorporated	**FIELD REP.**	D. Nostrant
CONTRACTOR	Nothnagle Drilling	**DATE INSTALLED**	10/12/2009
DRILLER	S. Loranty	**WATER LEVEL**	21.28

Ground El. ____ ft **Location** See Plan ☐ **Guard Pipe**

El. Datum ____ ☑ **Roadway Box**

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
	CEMENT (1.0)
SEE TEST BORING REPORT	CEMENT BENTONITE GROUT (13.4)
	BENTONITE (18.4)
	MORIE OON QUARTZ SAND
(Bottom of Exploration) (Numbers refer to depth from ground surface in feet)	



Type of protective cover/lock: Bolted Steel

Height/Depth of top of guard pipe/roadway box above/below ground surface: 0.0 ft

Depth of top of riser pipe below ground surface: 0.37 ft

Type of protective casing: Flushmount Roadbox

Length: 1.0 ft

Inside Diameter: 8.0 in

Depth of bottom of guard pipe/roadway box: 1.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Cement-Bent. Grout	1.0	12.4
Bentonite	13.4	5.0

Type of riser pipe: PVC

Inside diameter of riser pipe: 2.0 in

Type of backfill around riser: See Diagram

Diameter of borehole: 8.0 in

Depth to top of well screen: 20.4 ft

Type of screen: Slotted PVC

Screen gauge or size of openings: 0.0 in

Diameter of screen: 2.0 in

Type of backfill around screen: Morie OON Quartz Sand

Depth of bottom of well screen: 30.4 ft

Bottom of Silt trap: 30.4 ft

Depth of bottom of borehole: 30.5 ft

(Not to Scale)

____ ft (Riser Pay Length (L1)) + ____ ft (Length of screen (L2)) + ____ ft (Length of silt trap (L3)) = ____ ft (Pay length)

COMMENTS: All depths measured from top of PVC riser

Form # 3010

OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

Well No. B 247-MW

Boring No. B 247-MW

PROJECT	Corning Fallbrook	**H&A FILE NO.**	33123-011
LOCATION	Corning,NY	**PROJECT MGR.**	G. White
CLIENT	Corninng Incorporated	**FIELD REP.**	D. Nostrant
CONTRACTOR	Nothnagle Drilling	**DATE INSTALLED**	10/7/2009
DRILLER	N. Short	**WATER LEVEL**	21.45

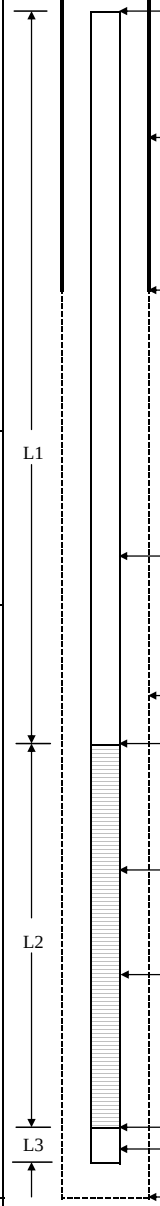
Ground El. ____ ft **Location** See Plan ☐ **Guard Pipe**

El. Datum ____ ☑ **Roadway Box**

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
	CEMENT
	1.0
SEE TEST BORING REPORT	CEMENT BENTONITE GROUT
	55.0
	BENTONITE
	60.2
	MORIE OON QUARTZ SAND
	70.2

(Bottom of Exploration)

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock Bolted Steel

Height/Depth of top of guard pipe/roadway box above/below ground surface 0.0 ft

Depth of top of riser pipe below ground surface 0.45 ft

Type of protective casing: Flushmount Roadbox

Length 1.0 ft

Inside Diameter 8.0 in

Depth of bottom of guard pipe/roadway box 1.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Cement-Bent. Grout	1.0	54.0
Bentonite	55.0	5.2

Type of riser pipe: PVC

Inside diameter of riser pipe 2.0 in

Type of backfill around riser See Diagram

Diameter of borehole 8.0 in

Depth to top of well screen 60.2 ft

Type of screen Slotted PVC

Screen gauge or size of openings 0.0 in

Diameter of screen 2.0 in

Type of backfill around screen Morie OON Quartz Sand

Depth of bottom of well screen 70.2 ft

Bottom of Silt trap 70.2 ft

Depth of bottom of borehole 70.5 ft

____ ft (Riser Pay Length (L1)) + ____ ft (Length of screen (L2)) + ____ ft (Length of silt trap (L3)) = ____ ft (Pay length)

COMMENTS: All depths measured from top of PVC riser

Form # 3010

OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

Well No. B 248-MW

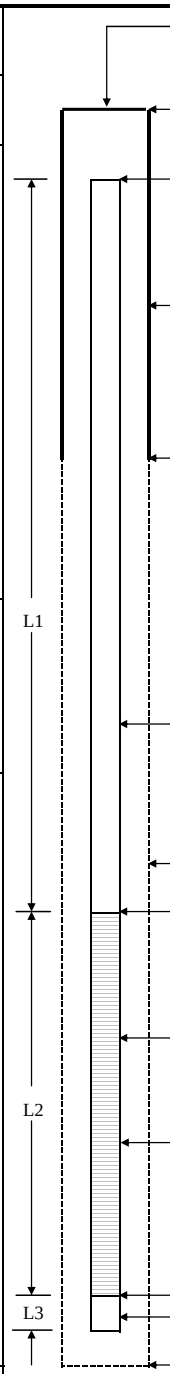
Boring No. B 248-MW

PROJECT	Corning Fallbrook	**H&A FILE NO.**	33123-011
LOCATION	Corning,NY	**PROJECT MGR.**	G. White
CLIENT	Corninng Incorporated	**FIELD REP.**	D. Nostrant
CONTRACTOR	Nothnagle Drilling	**DATE INSTALLED**	10/26/2009
DRILLER	N. Short	**WATER LEVEL**	18.95

Ground El. ____ ft **Location** See Plan ☐ **Guard Pipe**

El. Datum ____ ☑ **Roadway Box**

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
	CEMENT (1.0)
SEE TEST BORING REPORT	CEMENT BENTONITE GROUT (52.0)
	BENTONITE (56.9)
	MORIE OON QUARTZ SAND
	(Bottom of Exploration)



(Numbers refer to depth from ground surface in feet)

(Not to Scale)

Type of protective cover/lock: Bolted Steel

Height/Depth of top of guard pipe/roadway box above/below ground surface: 0.0 ft

Depth of top of riser pipe below ground surface: 0.4 ft

Type of protective casing: Flushmount Roadbox

Length: 1.0 ft

Inside Diameter: 8.0 in

Depth of bottom of guard pipe/roadway box: 1.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Cement-Bent. Grout	1.0	51.0
Bentonite	52.0	4.9

Type of riser pipe: PVC

Inside diameter of riser pipe: 2.0 in

Type of backfill around riser: See Diagram

Diameter of borehole: 8.0 in

Depth to top of well screen: 58.9 ft

Type of screen: Slotted PVC

Screen gauge or size of openings: 0.0 in

Diameter of screen: 2.0 in

Type of backfill around screen: Morie OON Quartz Sand

Depth of bottom of well screen: 68.9 ft

Bottom of Silt trap: 68.9 ft

Depth of bottom of borehole: 70.0 ft

Riser Pay Length (L1)	+	Length of screen (L2)	+	Length of silt trap (L3)	=	Pay length
____ ft		____ ft		____ ft		____ ft

COMMENTS: All depths measured from top of PVC riser

Form # 3010

OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

Well No. B 249-MW

Boring No. B 249-MW

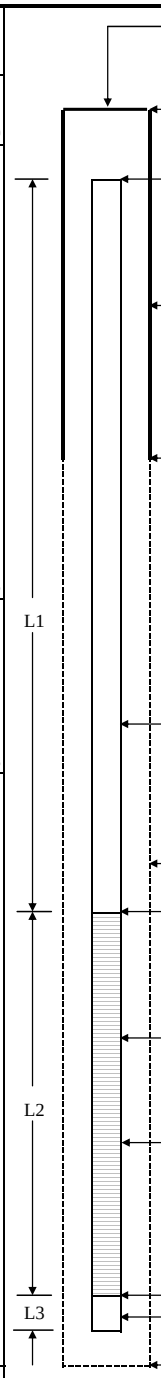
PROJECT	Corning Fallbrook	**H&A FILE NO.**	33123-011
LOCATION	Corning,NY	**PROJECT MGR.**	G. White
CLIENT	Corninng Incorporated	**FIELD REP.**	D. Nostrant
CONTRACTOR	Nothnagle Drilling	**DATE INSTALLED**	10/13/2009
DRILLER	S. Loranty	**WATER LEVEL**	22.89

Ground El. _____ ft **Location** See Plan ☐ **Guard Pipe**

El. Datum _____ ☑ **Roadway Box**

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
	CEMENT
	1.0
SEE TEST BORING REPORT	CEMENT BENTONITE GROUT
	52.5
	BENTONITE
	57.8
	MORIE OON QUARTZ SAND
	70.2
	(Bottom of Exploration)

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock: Bolted Steel

Height/Depth of top of guard pipe/roadway box above/below ground surface: 0.0 ft

Depth of top of riser pipe below ground surface: 0.45 ft

Type of protective casing: Flushmount Roadbox

Length: 1.0 ft

Inside Diameter: 8.0 in

Depth of bottom of guard pipe/roadway box: 1.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Cement-Bent. Grout	1.0	51.5
Bentonite	52.5	5.3

Type of riser pipe: PVC

Inside diameter of riser pipe: 2.0 in

Type of backfill around riser: See Diagram

Diameter of borehole: 8.0 in

Depth to top of well screen: 59.8 ft

Type of screen: Slotted PVC

Screen gauge or size of openings: 0.0 in

Diameter of screen: 2.0 in

Type of backfill around screen: Morie OON Quartz Sand

Depth of bottom of well screen: 69.8 ft

Bottom of Silt trap: 69.8 ft

Depth of bottom of borehole: 70.0 ft

Riser Pay Length (L1)	+	Length of screen (L2)	+	Length of silt trap (L3)	=	Pay length
ft		ft		ft		ft

COMMENTS: All depths measured from top of PVC riser

Form # 3010

OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

Well No. B 250-MW

Boring No. B 250-MW

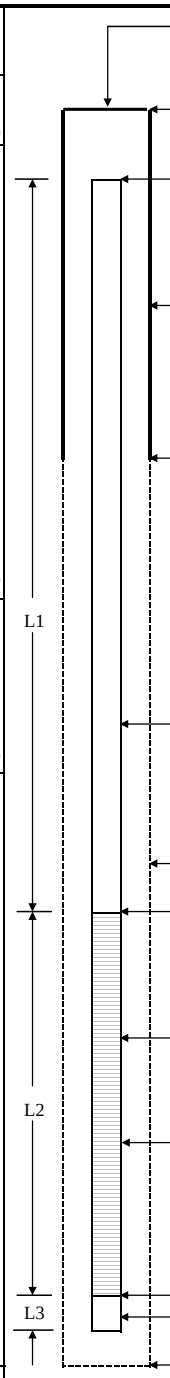
PROJECT	Corning Fallbrook	**H&A FILE NO.**	33123-011
LOCATION	Corning,NY	**PROJECT MGR.**	G. White
CLIENT	Corninng Incorporated	**FIELD REP.**	D. Nostrant
CONTRACTOR	Nothnagle Drilling	**DATE INSTALLED**	10/22/2009
DRILLER	N. Short	**WATER LEVEL**	21.75

Ground El. _____ ft **Location** See Plan ☐ **Guard Pipe**

El. Datum _____ ☑ **Roadway Box**

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
	CEMENT (1.0)
SEE TEST BORING REPORT	CEMENT BENTONITE GROUT (1.0 – 10.7)
	BENTONITE (10.7 – 15.7)
	MORIE OON QUARTZ SAND (15.7 – 28.0)
	(Bottom of Exploration)

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock: Bolted Steel

Height/Depth of top of guard pipe/roadway box above/below ground surface: 0.0 ft

Depth of top of riser pipe below ground surface: 0.45 ft

Type of protective casing: Flushmount Roadbox

Length: 1.0 ft

Inside Diameter: 8.0 in

Depth of bottom of guard pipe/roadway box: 1.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Cement-Bent. Grout	1.0	9.7
Bentonite	10.7	5.0

Type of riser pipe: PVC

Inside diameter of riser pipe: 2.0 in

Type of backfill around riser: See Diagram

Diameter of borehole: 8.0 in

Depth to top of well screen: 17.7 ft

Type of screen: Slotted PVC

Screen gauge or size of openings: 0.0 in

Diameter of screen: 2.0 in

Type of backfill around screen: Morie OON Quartz Sand

Depth of bottom of well screen: 27.7 ft

Bottom of Silt trap: 27.7 ft

Depth of bottom of borehole: 28.0 ft

_____ ft (Riser Pay Length (L1)) + _____ ft (Length of screen (L2)) + _____ ft (Length of silt trap (L3)) = _____ ft (Pay length)

COMMENTS: All depths measured from top of PVC riser

Form # 3010

OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

Well No. B 251-MW

Boring No. B 251-MW

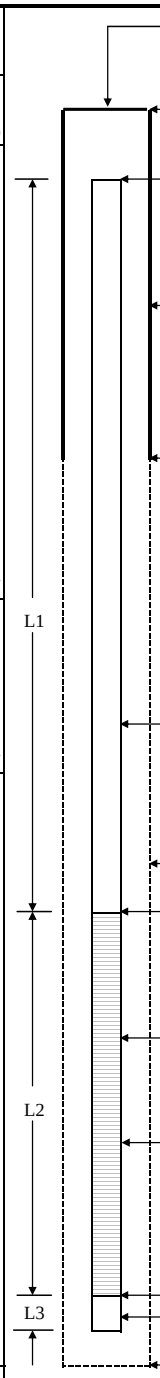
PROJECT	Corning Fallbrook	**H&A FILE NO.**	33123-011
LOCATION	Corning,NY	**PROJECT MGR.**	G. White
CLIENT	Corninng Incorporated	**FIELD REP.**	D. Nostrant
CONTRACTOR	Nothnagle Drilling	**DATE INSTALLED**	10/19/2009
DRILLER	N. Short	**WATER LEVEL**	21.72

Ground El. ____ ft **Location** See Plan ☐ **Guard Pipe**

El. Datum ____ ☑ **Roadway Box**

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
	CEMENT
	1.0
SEE TEST BORING REPORT	CEMENT BENTONITE GROUT
	10.7
	BENTONITE
	15.7
	MORIE OON QUARTZ SAND
	28.0
(Bottom of Exploration)	

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock Bolted Steel

Height/Depth of top of guard pipe/roadway box above/below ground surface 0.0 ft

Depth of top of riser pipe below ground surface 0.32 ft

Type of protective casing: Flushmount Roadbox

Length 1.0 ft

Inside Diameter 8.0 in

Depth of bottom of guard pipe/roadway box 1.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Cement-Bent. Grout	1.0	9.7
Bentonite	10.7	5.0

Type of riser pipe: PVC

Inside diameter of riser pipe 2.0 in

Type of backfill around riser See Diagram

Diameter of borehole 8.0 in

Depth to top of well screen 17.7 ft

Type of screen Slotted PVC

Screen gauge or size of openings 0.0 in

Diameter of screen 2.0 in

Type of backfill around screen Morie OON Quartz Sand

Depth of bottom of well screen 27.7 ft

Bottom of Silt trap 27.7 ft

Depth of bottom of borehole 28.0 ft

____ ft (Riser Pay Length (L1)) + ____ ft (Length of screen (L2)) + ____ ft (Length of silt trap (L3)) = ____ ft (Pay length)

COMMENTS: All depths measured from top of PVC riser

Form # 3010

OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

Well No. B 252-MW

Boring No. B 252-MW

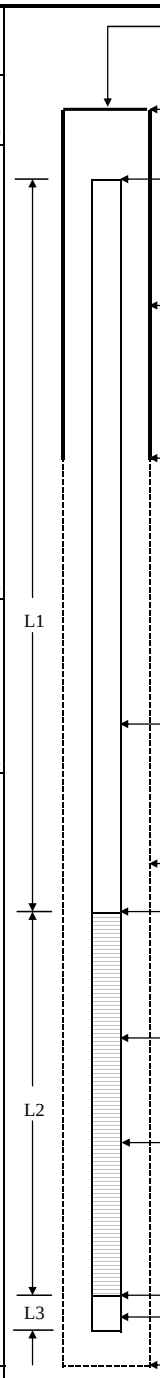
PROJECT	Corning Fallbrook	**H&A FILE NO.**	33123-011
LOCATION	Corning,NY	**PROJECT MGR.**	G. White
CLIENT	Corninng Incorporated	**FIELD REP.**	D. Nostrant
CONTRACTOR	Nothnagle Drilling	**DATE INSTALLED**	10/20/2009
DRILLER	N. Short	**WATER LEVEL**	21.44

Ground El. ____ ft **Location** See Plan ☐ **Guard Pipe**

El. Datum ____ ☑ **Roadway Box**

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
	CEMENT
	1.0
SEE TEST BORING REPORT	CEMENT BENTONITE GROUT
	10.8
	BENTONITE
	15.8
	MORIE OON QUARTZ SAND
	28.0
(Bottom of Exploration)	

(Numbers refer to depth from ground surface in feet)



Type of protective cover/lock Bolted Steel

Height/Depth of top of guard pipe/roadway box above/below ground surface 0.0 ft

Depth of top of riser pipe below ground surface 0.40 ft

Type of protective casing: Flushmount Roadbox

Length 1.0 ft

Inside Diameter 8.0 in

Depth of bottom of guard pipe/roadway box 1.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Cement-Bent. Grout	1.0	9.8
Bentonite	10.8	5.0

Type of riser pipe: PVC

Inside diameter of riser pipe 2.0 in

Type of backfill around riser See Diagram

Diameter of borehole 8.0 in

Depth to top of well screen 17.8 ft

Type of screen Slotted PVC

Screen gauge or size of openings 0.0 in

Diameter of screen 2.0 in

Type of backfill around screen Morie OON Quartz Sand

Depth of bottom of well screen 27.8 ft

Bottom of Silt trap 27.8 ft

Depth of bottom of borehole 28.0 ft

(Not to Scale)

ft	+	ft	+	ft	=	ft
Riser Pay Length (L1)		Length of screen (L2)		Length of silt trap (L3)		Pay length

COMMENTS: All depths measured from top of PVC riser, poor recovery, pumped dry during development.

Form # 3010

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B201

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start September 30, 2009
Finish September 30, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 30/48	1.0 5.0			Black ASH, mps 20 mm., no odor, damp, some silt, trace red brick. 80% ash, 10% silt. -FILL-		25	20	20	20	15				
	ND															
	ND			4.5	SP-SM	Brown, poorly-graded SAND with silt, mps < 1 mm., no odor, damp. -ALLUVIAL-					90	10	R	L	N	L
5	ND	G2 36/48	5.0 9.0													
	ND															
	ND			8.2	ML	Brown SILT with sand (ML), mps 1 mm., no odor, damp. -ALLUVIAL-				5	10	85	R	L	L	L
	ND	G3 24/48	9.0 13.0													
10	ND															
	ND															
	ND	G4 28/48	13.0 17.0	12.8	GM	Brown silty GRAVEL with sand (GM), mps 35 mm., no odor, damp. -ALLUVIAL-	20	35	10	10	5	20	R	L	N	N
	ND			13.5	GM	Brown silty GRAVEL with sand, mps 30 mm., no odor, damp to moist. -ALLUVIAL-	25	30	10	10	5	20	R	L	N	N
15	ND															
				17.0		Bottom of Exploration at 17.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
9/30/09	1200				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 17.0
Rock Cored (ft) --
Samples 4G

Boring No. B201

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B202

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start September 30, 2009
Finish September 30, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 35/48	1.0 5.0		SP	Brown poorly-graded, SAND with silt (SP) and gravel and blackash (40%), mps 25 mm., no odor, damp. -FILL-	5	10	20	25	30	10	R	L	N	N
	ND															
	ND			3.8												
					ML	Brown SILT with sand (ML), mps 1 mm., no odor, damp. -ALLUVIAL-					15	85	R	L	L	L
5	ND	G2 28/48	5.0 9.0													
	ND															
				8.2												
					SP-SM	Brown poorly-graded SAND with silt (SP-SM), mps 18 mm., no odor, damp to moist, trace rounded gravel. -ALLUVIAL-										
	ND	G3 14/48	9.0 13.0	9.5	GM	Brown silty GRAVEL with sand (GM), mps 25 mm., no odor, damp to moist. -ALLUVIAL-	10	45	5	15	10	15	R	L	N	N
10	ND															
	ND	G4 10/48	13.0 17.0			Similar as above.										
	ND			13.8												
	ND				GW-GM	Brown, well-graded gravel with silth and sand (GW-GM), mps 35 mm., no odor, damp, trace little cobbles. -ALLUVIAL-	25	35	10	10	10	10	R	L	N	N
15																
	ND	G5 16/48	17.0 21.0													
	ND															
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
9/30/09	1310				24.13

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 25.0
Rock Cored (ft) --
Samples 6G

Boring No. B202

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B202
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20																
	ND	G6 27/48	21.0 25.0			Similar as above. -ALLUVIAL-										
	ND															
				24.3 25.0	GW-GM	Brown well-graded GRAVEL with silt and sand (GW-GM), mps 33 mm., no odor, wet. -ALLUVIAL-	25	30	15	10	10	10	R	L	N	N
25						Bottom of Exploration at 25.0 ft.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B202

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 R\ PROGRAMS\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B203

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start September 30, 2009
Finish September 30, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
				0.8												
	ND	G1 6/48	1.0 5.0			Brown-black Black ASH (80%) with silt and sand, mps 30 mm., no odor, moist. -FILL-										
	ND															
5	ND	G2 3/48	5.0 9.0			Similar as above, noted poor recovery. -FILL-										
	ND															
				9.0												
	ND	G3 24/48	9.0 13.0		SM	Brown silty SAND (SM), mps 2 mm., no odor, damp to moist, trace clay, trace black ash. -FILL-				5	70	25	R	L	L	L
10	ND															
				12.0	GP-GM	Brown poorly-graded GRAVEL with silt and sand (GP-GM), mps 20 mm., no odor, moist to wet.	20	40	10	10	10	10	R	L	N	N
				13.0		-ALLUVIAL- Bottom of Exploration at 13.0 ft.										

Note:
1. Fill depth estimated due to poor recovery on G2.

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
9/30/09	1400				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 13.0
Rock Cored (ft) --
Samples 3G

Boring No. B203

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Toughness** L - Low M - Medium H - High **Plasticity** N - Nonplastic L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B204

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start September 30, 2009
Finish September 30, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.7		-CONCRETE-										
	ND	G1 20/48	1.0 5.0			Gray-brown-black ASH with silt and sand. -FILL-										
	ND			3.9	GP-GM	Brown poorly-graded GRAVEL with silt and sand (GP-GM), mps 30 mm., no odor, damp. -ALLUVIAL-	10	50	10	10	10	10	R	L	N	N
5	ND	G2 30/48	5.0 9.0													
	ND															
	ND	G3 34/48	9.0 13.0		GP-GM	Similar as above. -ALLUVIAL-										
10				13.0		Bottom of Exploration at 13.0 ft.										

Note:
1. Boring moved 3' south of marked location due to thickness of concrete 1.5 '
   -suspected machine pad.
2. Boring backfilled with cuttings upon completion.

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
9/30/09	1430				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 13.0
Rock Cored (ft) --
Samples 3G

Boring No. B204

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B205

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start September 30, 2009
Finish October 1, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	ND	G1 30/48	1.0 5.0	1.0	GP-GM	Brown poorly-graded GRAVEL with silt and sand (GP-GM), mps 25 mm., no odor, damp. -FILL-	5	45	15	15	10	10	R	L	N	N
	0.5					Black staining at 4.0 ft.-4.2 ft. slight oil-like odor, damp.										
				4.3	ML	Brown SILT with sand (ML), mps 25 mm., no odor, damp. -ALLUVIAL-				5	15	80	R	L	L	L
5	ND	G2 12/48	5.0 9.0	5.3	GM	Brown silty GRAVEL with sand (GM), mps 25 mm., no odor, damp. -ALLUVIAL-	10	45	10	10	10	15	R	L	N	N
	ND															
	ND															
	ND	G3 30/48	9.0 13.0			Similar as above, except 5-10% oversize (suspected cobbles). -ALLUVIAL-										
10	ND															
				13.0												
	ND	G4 30/48	13.0 17.0		GP	Brown poorly-graded GRAVEL with sand (GP), mps 25 mm., no odor, damp. Suspected cobble at 15.5 ft. -ALLUVIAL-	20	35	15	15	10	5	R	L	N	N
15	ND															
	ND	G5 14/48	17.0 21.0		GP	Similar as above, except moist at 20.5 ft. -ALLUVIAL-										
	ND															
	ND															
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/1/09	0830				24.7

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 25.0
Rock Cored (ft) --
Samples 6G
Boring No. B205

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LJB97-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B205
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20																
	ND	G6 15/48	21.0 25.0		GP	Similar as above, except wet at approximately 24.7 ft. Sample collected from 25.0 to 25.5 ft. -ALLUVIAL-										
	ND															
25				25.0		Bottom of Exploration at 25.0 ft.										

Notes:
1. Advanced augers to 5.0 ft. due to caving in unconsolidated fill.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B205

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B206

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 1, 2009
Finish October 1, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	G1 33/48	0.0 4.0	0.7	ML	Brown SILT with sand (ML), mps 3 mm., no odor, moist. Trace roots.				5	15	80	R	L	L	L
				1.0	ML	Black ASH (70%) with silt and sand, mps 2 mm., no odor, damp.										
	ND					Yellow-brown sandy SILT (ML), mps 1 mm., no odor, damp, trace ash fragments. -FILL-										
				3.0												
	ND	G2 16/48	4.0 8.0		GM	Brown silty GRAVEL with sand, mps 25 mm., no odor, damp. -ALLUVIAL-	20	35	10	10	10	15	R	L	N	N
5	ND															
	ND	G3 33/48	8.0 12.0		GM	Similar as above, except 10% oversize cobbles. -ALLUVIAL-										
10	ND															
	ND	G4 40/48	12.0 16.0		GM	Similar as above, except damp to moist. -ALLUVIAL-										
	ND															
15	ND	G5 30/48	16.0 20.0		GM	Similar as above, except wet at 19.7 ft. -ALLUVIAL-										
	ND															
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/1/09	1100				19.7

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 20.0
Rock Cored (ft) --
Samples 5G
Boring No. B206

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B206
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
				20.0		Bottom of Exploration at 20.0 ft.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B206

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B207

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 1, 2009
Finish October 1, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.8		-CONCRETE-										
	ND ND ND	G1 29/48	1.0 5.0			Black ASH (75%) with silt and gravel, mps 25 mm., no odor, damp to moist. -FILL-		35	20	25	10	10				
				4.2	GM	Brown silty GRAVEL with sand (GM), mps 33 mm., no odor, damp. -ALLUVIAL-	20	30	15	10	10	15	R	L	N	N
5	ND ND ND	G2 16/48	5.0 9.0													
	ND ND	G3 28/48	9.0 13.0		GM	Similar as above, except 10-15% oversize suspected (cobbles). -ALLUVIAL-										
10				13.0		Bottom of Exploration at 13.0 ft.										
						Note: 1. Boring moved 3.0 ft. east of proposed location (suspected building footing).										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/1/09	1140				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	13.0
Rock Cored (ft)	--
Samples	3G
Boring No.	**B207**

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE_07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123-011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B208

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 8, 2009
Finish October 8, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	4-1/4	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	G1 23/48	0.0 4.0		GM	Brown silty GRAVEL (GM) with black ASH (40%). -FILL-										
	ND															
	ND	G2 25/48	4.0 8.0													
5	ND															
				7.5	ML	Black-brown gravelly SILT with sand and black ASH (70%) (ML). -FILL-	10	20	10	5	5	50				
	ND	G3 27/48	8.0 12.0	8.5	GM	Brown silty GRAVEL wth sand (GM), mps 30 mm., no odor, damp.	25	35	10	5	10	15	R	L	N	N
10	ND															
				11.8	GP	Brown poorly-graded GRAVEL with sand (GP), mps 33 mm., no odor, damp.										
	ND	G4 22/48	12.0 16.0													
15																
				16.0		Bottom of Exploration at 16.0 ft.										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/8/09	1200				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 16.0
Rock Cored (ft) --
Samples 4G
Boring No. B208

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B209

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 1, 2009
Finish October 1, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
				1.0												
	ND	G1 24/48	1.0 5.0		GM	Dark brown-black stained silty GRAVEL with sand (GM), mps 20 mm., no odor, damp to moist 5-10% ash. -FILL-										
	ND															
5	ND	G2 25/48	5.0 9.0	5.6	GM	Brown silty GRAVEL with sand (GM), mps 33 mm., no odor, damp to moist. -ALLUVIAL-	25	35	10	10	5	15	R	L	N	N
	ND															
	ND	G3 18/48	9.0 13.0			Similar as above, except damp. -ALLUVIAL-										
10	ND															
				13.0		Bottom of Exploration at 13.0 ft.										
						Note: 1. Boring moved 5 ft. NW due to underground utility (sewerline).										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/1/09	1310				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 13.0
Rock Cored (ft) --
Samples 3G
Boring No. B209

Field Tests: Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B210

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 1, 2009
Finish October 1, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
				1.0												
	ND	G1 18/48	1.0 5.0			Gray-black ASH BRICK FRAGMENTS with gravel and sand, mps 18 mm., no odor, moist. -FILL-										
	ND															
				4.8												
5	ND	G2 19/48	5.0 9.0		GP	Brown poorly-graded GRAVEL with sand (GP), mps 30 mm., no odor, damp. -ALLUVIAL-	15	35	10	20	15	5	R	L	N	N
	ND															
	ND	G3 30/48	9.0 13.0		GP	Similar as above, except 20% oversize cobbles, damp to dry.										
10	ND															
	ND	G4 31/48	13.0 17.0		GP	Similar as above.										
15	ND															
	ND	G5 33/48	17.0 21.0		GP	Browu poorly-graded GRAVEL with sand (GP), mps 33 mm., no odor, moist.	20	30	15	15	15	5	R	L	N	N
	ND															
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/1/09	1340				20.8

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 21.0
Rock Cored (ft) --
Samples 5G
Boring No. B210

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B210
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20																
				21.0		Wet at 20.8 ft. Bottom of Exploration at 21.0 ft.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B210

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B211

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 1, 2009
Finish October 1, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.8	GM	-CONCRETE-										
	ND	G1 12/48	1.0 5.0			Brown silty GRAVEL with sand and orange-black ASH 20%. -FILL-										
	ND															
5	ND	G2 17/48	5.0 9.0	5.0	GP-GM	Brown poorly-graded GRAVEL with silt and gravel, (GP-GM), mps 30 mm., no odor, damp. -ALLUVIAL-	20	35	15	10	10	10	R	L	N	N
	ND															
	ND	G3 28/48	9.0 13.0		GP-GM	Similar as above. -ALLULVIAL-										
10	ND															
	ND	G4 30/48	13.0 17.0		GP-GM	Similar as above, except 10% oversize cobbles. -ALLUVIAL-										
15	ND															
	ND	G5 19/48	17.0 38.0			Similar as above, except wet at 20.7 ft. -ALLUVIAL-										
	ND															
20																

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/1/09	1500				20.7

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 21.0
Rock Cored (ft) --
Samples 5G
Boring No. B211

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B211
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20				20.0		Bottom of Exploration at 20.0 ft.										

Note:
1. Depth of fill estimated to poor recovery at G1.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B211

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B212

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 1, 2009
Finish October 1, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 40/48	1.0 5.0			Black-orange ASH (80%) with gravel and sand. -FILL-										
	ND			4.6												
5	ND	G2 31/48	5.0 9.0	5.7	ML	Yellow-brown SILT with sand (ML), mps 1 mm., no odor, trace ash. -FILL-										
	ND				GP-GM	Brown poorly-graded GRAVEL with silt and sand (GP-GM), mps 25 mm., no odor, damp. -ALLUVIAL-	20	30	15	15	10	10	R	L	N	N
				9.0		Bottom of Boring at 9.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/1/09	1545				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 9.0
Rock Cored (ft) --
Samples 2G
Boring No. B212

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B213

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 2, 2009
Finish October 2, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 30/48	1.0 5.0	1.5		Black ASH (90%) with gravel, sand and silt, mps 10 mm., no odor, moist. -FILL-		20	20	20	30	10				
	ND				ML	Brown elastic SILT with sand and gravel (ML), mps 15 mm., no odor, moist. -ALLUVIAL-		15	5	5	10	65	R	L	M	M
5	ND	G2 6/48	5.0 9.0													
	ND			8.8	GP	Brown poorly-graded GRAVEL with sand (GP), mps 20 mm., no odor, damp. -ALLUVIAL-	10	45	20	10	10	5	R	L	N	N
				9.0		Bottom of Exploration at 9.0 ft.										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/2/09	0850				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 9.0
Rock Cored (ft) --
Samples 2G
Boring No. B213

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROGE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B214

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 8, 2009
Finish October 8, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	4-1/4	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 47/48	1.0 5.0			Black ASH (100%) -FILL-										
	ND			2.5	ML	Brown SILT with sand (ML), mps 3 mm., no odor, damp to moist. Trace ash.					15	85	R	L	L	L
5	ND	G2 18/48	5.0 9.0	5.2	GP	Dark brown sand, trace cobble at 5.0 ft. -FILL-	25	35	10	15	10	5	R	L	N	N
	ND					Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., no odor, dry. -ALLUVIAL-										
10	ND	G3 24/48	9.0 13.0		GP	Similar as above. -ALLUVIAL-										
				13.0		Bottom of Exploration at 13.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/8/09	1445				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 13.0
Rock Cored (ft) --
Samples 3G
Boring No. B214

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Toughness** L - Low M - Medium H - High **Plasticity** N - Nonplastic L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID:HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 R\ PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B215

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 2, 2009
Finish October 2, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 28/48	1.0 5.0			Black ASH (90%) wih sand, mps 10 mm., no odor, damp. -FILL-										
	ND			2.7	ML	Brown SILT with sand (ML), mps 5 mm., no odor, moist. -ALLUVIAL-		5			20	75	R	L	L	L
5	ND	G2 30/48	5.0 9.0													
	ND			8.0	GM	Brown silty GRAVEL with sand (GM), mps 30 mm., no odor, damp. -ALLUVIAL-	10	45	10	10	5	20	R	L	N	N
				9.0		Bottom of Exploration at 9.0 ft.										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/2/09	0915				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 9.0
Rock Cored (ft) --
Samples 2G
Boring No. B215

Field Tests: **Dilatancy** R - Rapid S - Slow N - None
Toughness L - Low M - Medium H - High
Plasticity N - Nonplastic L - Low M - Medium H - High
Dry Strength N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B216

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 2, 2009
Finish October 2, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Sand % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.4		-CONCRETE-										
	ND	G1 15/48	1.0 5.0			Black ASH (50%) with sand and gravel, mps 12 mm., no odor, moist. -FILL-										
				2.0	ML	Brown-black SILT with sand and BLACK ASH (30%), mps 15 mm., no odor, moist.		5	20	15	10	50	R	L	L	L
	ND			3.0	GM	-FILL- Brown silty GRAVEL with sand (GM), mps 30 mm., no odor, damp.	20	35	10	10	5	10	R	L	N	N
5	ND	G2 15/48	5.0 9.0													
	ND															
		G3 16/48	9.0 13.0		GM	Similar as above.										
10	ND															
				13.0		Bottom of Exploration at 13.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/2/09	0940				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 13.0
Rock Cored (ft) --
Samples 3G

Boring No. B216

Field Tests: Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B217

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 2, 2009
Finish October 2, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.7		-CONCRETE-										
	ND	G1 22/48	1.0 5.0	1.7		Black ASH (80%) with silt and sand, mps 15 mm., no odor, damp to moist.		20	30	20	20	10				
	ND				GM	Brown-black silty GRAVEL (GM), with sand, mps 30 mm., no odor, moist. ASH 10-20% -FILL-	20	35	15	15	5	5				
5	ND	G2 15/48	5.0 9.0	5.5	GM	Brown silty GRAVEL with sand (GM), mps 33 mm., no odor, damp. -ALLUVIAL-	25	35	10	10	5	15	R	L	N	N
	ND															
	ND	G3 18/48	9.0 13.0		GW	Similar as above, except 10% oversize (cobbles). -ALLUVIAL-										
10	ND															
				13.0		Bottom of Exploration at 13.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/2/09	1020				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 13.0
Rock Cored (ft) --
Samples 3G

Boring No. B217

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B218

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 9, 2009
Finish October 9, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	4-1/4	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 34/48	1.0 5.0		GM	Black-brown silty GRAVEL sith sand and black ASH (40%), mps 30 mm., no odor, damp. -FILL-	25	40	10	5	5	15				
	ND															
5	ND	G2 28/48	5.0 9.0	5.0	ML	Brown SILT with sand (ML), mps 3 mm., trace black ASH (5%), no odor, damp. -FILL-				5	10	85	R	L	L	L
	ND			7.9	GM	Brown silty GRAVEL with sand (GM), mps 30 mm., no odor, damp. -ALLUVIAL-	20	30	10	15	10	15	R	L	N	N
	ND	G3 24/48	9.0 13.0													
10	ND															
	ND	G4 20/48	13.0 17.0		GM	Similar as above. -ALLUVIAL-										
15	ND															
	ND	G5 6/48	17.0 21.0		GM	Noted for recovery for G5 similar as G4, except 20% oversized (cobbles). -ALLUVIAL-										
	ND															
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/9/09	1000				24.3

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 25.0
Rock Cored (ft) --
Samples 6G

Boring No. B218

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B218
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20																
	ND	G6 28/48	21.0 25.0	21.0	GP-GM	Brown poorly-graded GRAVEL with silt and sand (GP-GM), mps 35 mm., no odor, wet at 24.3 ft. -ALLUVIAL-	35	30	15	10	10	10	R	L	N	N
	ND															
25				25.0		Bottom of Exploration at 25.0 ft.										
						Dup 5 collected at 1 - 7.9 ft. (B218-2).										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B218

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B219

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 2, 2009
Finish October 2, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 44/48	1.0 5.0	1.8		Black ASH (95%) with sand (5%), mps 10 mm., no odor, damp.										
	ND			4.0	ML	Brown silt with sand (ML), mps 5 mm., no odor, damp (10-15% Ash). -FILL-			5	5	20	70	R	L	L	M
5	ND	G2 36/48	5.0 9.0		ML	Brown SILT with sand (ML), mps 12 mm., no odor, moist. -ALLUVIAL-			5	5	20	70	R	L	L	M
	ND			7.0	GM	Brown silty GRAVEL with sand (GM), mps 30 mm., no odor, damp. -ALLUVIAL-	10	40	20	10	5	15	R	L	N	N
				9.0		Bottom of Exploration at 9.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/2/09	1100				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 9.0
Rock Cored (ft) --
Samples 2G

Boring No. B219

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B220

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 6, 2009
Finish October 6, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	G1 35/48	0.0 4.0	0.2		BLACK ASH (100%), mps 10 mm., no odor, damp. -FILL-										
	ND			1.5		Red brick, concrete (100%) -FILL-										
5	ND	G2 30/48	4.0 8.0	4.2	ML	Brown SILT with sand (ML), mps 3 mm., no odor, moist. Trace black staining (ASH). -FILL- Driller advanced auger to 5.0 ft. due to caving in fill area.					20	80	R	L	L	L
	ND			7.8												
10	ND	G3 38/48	8.0 12.0		GM	Brown silty GRAVEL with sand (GM), mps 35 mm., no odor, damp to moist. -ALLUVIAL-	25	35	10	10	5	15	R	L	N	N
	ND	G4 28/36	12.0 15.0													
	ND			14.0	GP-GM	Brown poorly-graded GRAVEL with silt and sand (GP-GM). -ALLUVIAL-	25	35	15	10	5	10	R	L	N	N
15	ND	G5 27/48	15.0 19.0													
	ND															
20	ND	G6 20/48	19.0 23.0		GM-GM	Similar as above, except damp to moist at 22.8 ft. -ALLUVIAL-										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/6/09	1230				25.5

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 27
Rock Cored (ft) --
Samples 7G
Boring No. B220

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B220
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	ND															
	ND															
		G7 22/48	23.0 27.0													
25	22.0			25.0	GM	Gray-brown silty GRAVEL with sand (GM), mps 30 mm., petroleum (fuel oil like) odor, wet.	30	30	10	10	5	15	R	L	N	N
				27.0		Bottom of Exploration at 27.0 ft.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B220

H&A-GEOPROBE.07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B221

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 14, 2009
Finish October 14, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	G1 22/48	0.0 4.0			Black ASH (80%) with silt and sand,mps 5 mm., no odor, damp. -FILL-										
				1.7	ML	Brown SILT with sand (ML), mps 1 mm., no odor, moist. Trace black ASH (disturbed). -FILL-					15	85	R	L	L	L
	ND															
	ND	G2 20/48	4.0 8.0	4.1	ML	Brown SILT with sand (ML), mps 1 mm., no odor, damp. -ALLUVIAL-					15	85	R	L	L	L
5																
	ND			7.2	GM	Brown silty GRAVEL with sand (GM), mps 30 mm., no odor, moist to wet. -FILL-	10	45	15	5	5	20	R	L	N	N
	ND	G3 20/48	8.0 12.0	8.3	SP	Brown poorly-graded SAND (SP), mps 1 mm., no odor, damp. -FILL-				5	90	5	R	L	N	N
10																
	ND			11.7	GP	Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., no odor, damp. -FILL-										
	ND	G4 8/48	12.0 16.0													
15																
	ND	G5 24/48	16.0 20.0		GP	Similar as above. -FILL-										
	ND															
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/14/09	1600				27.0

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 28.0
Rock Cored (ft) --
Samples 7G
Boring No. B221

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B221
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	ND	G6 22/48	20.0 24.0		GP	Similar as above. -FILL-										
	4															
	10															
	25			23.2	GM	Brown silty GRAVEL with sand (GM), mps 30 mm., slight petroleum odor, damp.	15	40	10	10	10	15	R	L	N	N
	60	G7 25/48	24.0 28.0			-FILL-										
25	72															
	105															
	4.7			26.5		Similar as above, except gray stained, strong petroleum odor. Wet at 27.0 ft. -FILL-										
				28.0		Bottom of Exploration at 28.0 ft.										

Note:
DUP-7 collected for B221-3 (7-8 ft.)

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B221

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B222

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 15, 2009
Finish October 15, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-ASPHALT/CONCRETE-										
	ND	G1 43/48	1.0 5.0	1.0		Black-brown ASH 25% with silt and sand, no odor, damp. Trace glass. -FILL-										
	ND			3.2		Brown SILT with sand (ML), mps 2 mm., no odor, damp, trace black ash, staining (ASH), trace fine gravel. -FILL-					15	85	R	L	L	L
5	ND	G2 6/48	5.0 9.0	5.1	GM	Brown silty GRAVEL with sand (GM), mps 25 mm., no odor, damp to moist. -ALLUVIAL-	20	35	10	10	10	15	R	L	N	N
	ND															
	ND	G3 22/48	9.0 13.0		GM	Similar as above, except damp. -ALLUVIAL-										
10	ND															
	ND	G4 36/48	13.0 17.0		GM	Similar as above, except damp to dry. -ALLUVIAL-										
15	ND															
	ND	G5 19/48	17.0 21.0		GM	Similar as above, except 10% oversize (cobbles). -ALLUVIAL-										
20	ND															

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/15/09	1115				24.5

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 25.0
Rock Cored (ft) --
Samples 6G
Boring No. B222

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B222
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20																
	10 1.34 57 63	G6 38/48	21.0 25.0	22.0	GM	Brown-gray stained silty GRAVEL with sand (GM), mps 35 mm., mild to strong petroleum (fuel oil like) odor with depth, damp. -ALLUVIAL- Moist 23.0 to 24.5 ft. Wet 24.5 to 25.0 ft.	25	35	10	10	5	15	R	L	N	N
25				25.0		Bottom of Exploration at 25.0 ft. Note: 1. Following refusal at 11.0 ft. boring location moved 5 ft. south. Informed Bonarski (NYSDEC) of need to re-locate boring.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B222

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B223

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 15, 2009
Finish October 15, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-ASPHALT/CONCRETE-										
				1.0												
	ND	G1 6/48	1.0 5.0			Black ASH (60%) with gray sand, mps 10 mm., no odor, damp. -FILL- Poor recovery on G-1										
	ND															
5	ND	G2 15/48	5.0 9.0													
				6.0	ML	Brown SILT with sand (ML), mps 5 mm., no odor, damp to moist. Trace black ash and black ash staining (disturbed).										
				7.0	GM	-FILL-	20	35	10	10	10	15	R	L	N	N
	ND					Brown silty GRAVEL with sand (GM), mps 25 mm., no odor, damp to moist.										
				8.2	GP	-ALLUVIAL-	25	40	10	10	10	5	R	L	N	N
	ND	G3 24/48	9.0 13.0			Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., no odor, damp. -ALLUVIAL-										
10	ND															
	ND	G4 15/36	13.0 15.0			Similar as above. Driller noted very dense soil conditions.										
15	0.5	G5 36/36	15.0 18.0		GP	Similar as above.										
	0.6															
	0.5	G6 36/36	18.0 22.0													
	0.6															
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/15/09	1415	1430			24.0

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 24.0
Rock Cored (ft) --
Samples 7G

Boring No. B223

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B223
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	12.7															
	13.0			21.5	GP	Gray stained poorly-graded GRAVEL with sand (GP), mps 20 mm., moderate to strong petroleum (fuel oil like) odor, moist.	20	35	15	15	10	5	R	L	N	N
	12	G7	22.0			Similar as above, except dark gray, very strong petroleum odor, moist to										
	37	24/24	24.0			wet.										
	151			24.0		Bottom of Exploration at 24.0 ft.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B223

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B224

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 2, 2009
Finish October 2, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel %	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	ND	G1 42/48	0.0 4.0			Black ASH (90%) with sand and gravel, mps 15 mm., no odor, damp. -FILL-		10	25	25	35	5				
	ND															
	ND	G2 18/48	4.0 8.0	4.0	ML	Brown-black SILT with sand (ML), mps 2 mm., no odor, moist. -FILL-					20	80	R	L	L	L
5	ND			6.0	GM	Brown silty GRAVEL with sand (GM), mps 30 mm., no odor, damp. -ALLUVIAL-	25	30	15	10	5	15	R	L	N	N
	ND	G3 23/48	8.0 12.0		GM	Similar as above. -ALLUVIAL-										
10				12.0		Bottom of Exploration at 12.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/2/09	1140				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 12.0
Rock Cored (ft) --
Samples 3G

Boring No. B224

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B225

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 2, 2009
Finish October 2, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 25/48	1.0 5.0	1.0		Red-brown ASH (100%), mps 5 mm., no odor, damp to dry. -FILL-										
	ND					Black ASH (90%) with gravel and sand, mps 20 mm., no odor, damp. -FILL-										
				4.2	ML	Brown SILT with sand (ML), mps 1 mm., no odor, damp, trace black ash. -FILL-					20	80	R	L	L	L
5	ND	G2 40/48	5.0 9.0	5.1	ML	Brown SILT with sand (ML), mps 1 mm., no odor, damp. -ALLUVIAL-					20	80	R	L	L	L
	ND															
				7.5	SP-SM	Brown poorly-graded SAND with silt (SP-SM), mps 1 mm., no odor, moist to wet. -ALLUVIAL-					90	10	R	L	N	N
				8.8 9.0	GP-GM	Brown poorly-graded GRAVEL with silt and sand (GP-GM). -ALLUVIAL-	10	40	15	15	10	10	R	L	N	N
						Bottom of Exploration at 9.0 ft.										

Note:
1. DUP-1 collected 0.0-1.0 ft.

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/2/09	1245				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 9.0
Rock Cored (ft) --
Samples 2G

Boring No. B225

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B226

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 2, 2009
Finish October 2, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 32/48	1.0 5.0	1.5	ML	Brown-red-black ASH, possible red brick and gravel, mps 25 mm., no odor, damp. -FILL- Brown SILT with sand (ML), mps 1 mm., no odor, damp. -ALLUVIAL-					15	85	R	L	L	L
	ND			3.0	ML	Brown SILT with sand (ML), mps 1 mm., no odor, damp. -ALLUVIAL-				5	15	80	R	L	L	L
5	ND	G2 30/48	5.0 9.0													
	ND			7.5	GP-GM	Brown poorly-graded GRAVEL with silt and sand (GP-GM). -ALLUVIAL-	20	35	15	10	10	10	R	L	L	L
	ND	G3 28/48	9.0 13.0													
10	ND															
	ND	G4 23/48	13.0 17.0		GP-GM	Similar as above. -ALLUVIAL-										
15	ND															
	ND	G5 27/48	17.0 21.0		GP-GM	Similar as above, except 10-15% oversize. -ALLUVIAL-										
	ND															
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/2/09	1330				23.5

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 25.0
Rock Cored (ft) --
Samples 6G
Boring No. B226

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1105_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B226
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20																
	ND	G6 24/48	21.0 25.0		GP-GM	Moist 20.5 ft. to 21.0 ft. Similar as above, except wet at 23.5 ft.										
	ND					-ALLUVIAL-										
25				25.0		Bottom of Exploration at 25.0 ft.										

Note:
1. DUP-2 collected from 1-3 ft.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B226

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-97-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B227

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 5, 2009
Finish October 5, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
				1.0												
	ND	G1 20/48	1.0 5.0			Brown SILT with sand and gravel, mps 20 mm., no odor, damp, trace ash. -FILL-					20	80	R	L	L	L
	ND															
5	ND	G2 24/48	5.0 9.0	5.8	SP-SM	Brown poorly-graded SAND with silt (SP-SM). -ALLUVIAL-				10	80	10	R	L	L	L
	ND															
				8.6												
	ND	G3 28/48	9.0 13.0		GP	Brown poorly-graded GRAVEL with sand (GP), mps 30 mm., no odor, damp to moist. -ALLUVIAL-	25	35	10	15	10	5	R	L	N	N
10				13.0		Bottom of Exploration at 13.0 ft.										

Note:
1. Due to poor recovery from 0-9 ft., moved rig 3 ft. west, re-sampled 0-9 ft.

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/5/09	0900				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 13.0
Rock Cored (ft) --
Samples 3G
Boring No. B227

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B228

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 2, 2009
Finish October 2, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
				0.8												
	ND	G1 24/48	1.0 5.0	1.5	ML	Brown poorly-graded GRAVEL with sand and BLACK ASH (35%), mps 15 mm., no odor, damp. -FILL-					15	85	R	L	L	L
	ND			2.5	ML	Brown-black stained SILT with sand (ML), mps 1 mm., no odor, damp to moist. -FILL-					15	85	R	L	L	L
						Brown SILT with sand, (ML), mps 1 mm., no odor, damp to moist. -ALLUVIAL-										
5	ND	G2 42/48	5.0 9.0													
	ND															
				8.0	SP	Brown poorly-graded SAND (SP), mps <1 mm., no odor, moist. -ALLUVIAL-					95	5	R	L	N	N
				9.0		Bottom of Boring at 9.0 ft.										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/2/09	1445				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 9.0
Rock Cored (ft) --
Samples 2G
Boring No. B228

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE.07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B229

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 5, 2009
Finish October 5, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 20/48	1.0 5.0			Brown SILT with sand and black ASH (70%), mps 20 mm., no odor, damp. -FILL-				10	5	85	R	L	L	L
	ND															
5	ND	G2 19/48	5.0 9.0	5.0		Brown SILT with sand and gravel and black ASH (30%), mps 4 mm., no odor, damp. -FILL-				5	5	90	R	L	L	L
	ND															
	ND	G3 40/48	9.0 13.0	9.1	ML	Brown SIILT with sand (ML), mps 2 mm., no odor, damp. -ALLUVIAL-					20	80	R	L	N	N
10	ND															
				12.5	GP	Brown poorly-graded GRAVEL with sand (GP), mps 33 mm., no odor, damp. -ALLUVIAL-	25	30	15	15	10	5	R	L	N	N
				13.0		Bottom of Exploration at 13.0 ft.										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/5/09	1100				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 13.0
Rock Cored (ft) --
Samples 3G
Boring No. B229

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B230

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 6, 2009
Finish October 6, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 40/48	1.0 5.0	1.7		Black ASH 90% with brown-black silt (10%), mps 10 mm., no odor, damp. -FILL-		40	20	20	10	10				
	ND				ML	Brown-black SILT with sand (ML), and black ASH 15% and trace red brick, mps 10 mm., no odor, damp. -FILL-		10	10	5	5	70	R	L	L	L
5	ND	G2 32/48	5.0 9.0													
	ND															
	ND	G3 28/48	9.0 13.0			Similar as above, except moist.										
10	ND															
				12.0	ML	Brown SILT with sand (ML), mps 3 mm., no odor, moist. Trace clay.				5	15	80	R	L	L	L
				12.6		-ALLUVIAL-										
	ND	G4 30/48	13.0 17.0		GM	Brown silty GRAVEL with sand (GM), mps 20 mm., no odor, damp to moist. -ALLUVIAL-	15	40	10	10	10	15	R	L	N	N
15	ND															
	ND	G5 24/48	17.0 21.0		GM	Similar as above. -ALLUVIAL-										
	ND															
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/6/09	1500				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 25.0
Rock Cored (ft) --
Samples 6G

Boring No. B230

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B230
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20																
	10.5	G6 22/48	21.0 25.0		GM	Similar as above. -ALLUVIAL-										
	56.6															
	19.9															
				24.2	GP-GM	Gray-brown poorly-graded GRAVEL with silt and sand (GP-GM), mps 30 mm., petroleum odor (fuel oil like), wet, observed slight sheen on water on sample. -ALLUVIAL-	20	40	15	10	5	10	R	L	N	N
25				25.0		Bottom of Exploration at 25.0 ft.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B230

H&A-GEOPROBE.07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B231

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 15, 2009
Finish October 15, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-ASPHALT/CONCRETE-										
				1.0												
	ND	G1 20/48	1.0 5.0			Black stained SILT and sand, mps 15 mm., no odor, damp. -FILL-										
	ND															
5	ND	G2 25/48	5.0 9.0			Similar as above with pockets of black ash. -FILL-										
	ND															
	ND	G3 22/48	9.0 13.0			Similar as above, except moist. -FILL-										
10	ND															
				12.8	GM	Brown silty GRAVEL with sand (GM), mps 35 mm., no odor, damp. -ALLUVIAL-	20	40	10	10	5	15	R	L	N	N
	ND	G4 19/36	13.0 16.0													
15	ND															
	ND	G5 30/48	16.0 20.0			Similar as above.										
	ND															
				19.0	GP	Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., no odor, damp.	20	35	15	10	15	5	R	L	N	N
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/15/09	1600				25.2

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 26.0
Rock Cored (ft) --
Samples 7G
Boring No. B231

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B231
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	3.0	G6	20.0			-ALLUVIAL-										
	32	32/36	23.0													
	40															
				22.8												
	87	G7	23.0		GM	Dark gray-brown stained silty GRAVEL with sand (GM), mps 30 mm., very strong petroleum (fuel oil like) odor, moist. Wet at 25.2 ft.	25	35	10	5	5	20				
	155	24/24	26.0			-ALLUVIAL-										
25	134															
	76															
				26.0		Bottom of Exploration at 26.0 ft.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B231

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123011 R\ PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B232

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 9, 2009
Finish October 9, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	4-1/4	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
				2.0												
	ND	G1 22/36	2.0 5.0	2.5	GM	Black ASH (70%) with silt, sand and gravel, mps 15 mm., no odor, damp. -FILL-	25	35	10	5	5	20	R	L	L	L
	ND					Brown silty GRAVEL with sand (GM), mps 35 mm., no odor, damp. Trace ASH. -FILL-										
5	ND	G2 6/48	5.0 9.0			Noted poor recovery for G2. -FILL-										
	ND															
	ND	G3 24/48	9.0 13.0	9.1	ML	Brown SILT with sand (ML), mps 10 mm., no odor, moist, trace black ASH,		5			15	80	R	L	L	L
10				9.7	GM	trace clay. -FILL-	25	35	10	10	5	15	R	L	N	N
	ND					Brown silty GRAVEL with sand (GM), mps 35 mm., no odor, damp. -ALLUVIAL-										
	ND	G4 30/48	13.0 17.0													
15	ND															
				16.8												
	ND	G5 23/48	17.0 21.0		GP-GM	Brown poorly-graded GRAVEL with silt and sand (GP-GM), mps 35 mm., no odor, damp. -ALLUVIAL-	30	30	10	10	10	10	R	L	N	N
	ND															
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/9/09	1100				24.7

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 25.0
Rock Cored (ft) --
Samples 6G
Boring No. B232

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B232
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20																
	ND	G6 25/48	21.0 25.0			Similar as above, except wet at 24.7 ft.										
	ND					-ALLUVIAL-										
25				25.0		Bottom of Exploration at 25.0 ft.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B232

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B233

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 5, 2009
Finish October 5, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 28/48	1.0 5.0		ML	Brown SILT with sand and gravel (ML) and black ASH (20%), mps 25 mm., no odor, damp. -FILL-		15	5	5	10	65	R	L	L	L
	ND															
5	ND	G2 24/48	5.0 9.0			BLACK ASH (90%) with sand and gravel. -FILL-		20	25	25	25	5				
	ND															
	ND	G3 29/48	9.0 13.0	9.7	GP	Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., no odor, damp. -ALLUVIAL-	20	30	15	15	15	5	R	L	N	N
10	ND															
	ND	G4 43/48	13.0 17.0		GP	Similar as above. -ALLUVIAL-										
15	ND															
	ND	G5 20/48	17.0 21.0			Similar as above, except 10% oversize (cobbles). -ALLUVIAL-										
	ND															
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/5/09	0940				24.6

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 25.0
Rock Cored (ft) --
Samples 6G

Boring No. B233

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B233
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20																
	ND	G6 23/48	21.0 25.0		GP	Similar as above, except wet at 24.6 ft.										
	ND					-ALLUVIAL-										
25				25.0		Bottom of Exploration at 25.0 ft.										

Note:
1. DUP-3 collected from 0-1 ft.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B233

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B234

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 9, 2009
Finish October 9, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	4-1/4	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 30/48	1.0 5.0	0.7		Brown SILT with sand (ML), mps 18 mm, no odor, damp. 5% ASH. -FILL-		5		5	10	80	R	L	L	L
	ND					Black ASH (100%), mps 10 mm., no odor, damp, trace glass. -FILL-										
5	ND	G2 31/48	5.0 9.0	5.3	ML	Brown black SILT with sand and gravel (ML), black ASH (10%), mps 20 mm., no odor, damp to moist. -FILL-		15	5	5	5	70	R	L	L	L
	ND															
	ND	G3 40/48	9.0 13.0	9.4	ML	Brown SILT with sand (ML), mps 5 mm., no odor, damp. -ALLUVIAL-				5	15	80	R	L	L	L
10	ND															
				12.5	GM	Brown silty GRAVEL with sand (GM), mps 15 mm., no odor, damp. -ALLUVIAL-	25	35	10	10	5	15	R	L	N	N
				13.0		Bottom of Exploration at 13.0 ft.										

Note:
1. DUP-6 collected at 12 - 13.0 ft. (B234-3)

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/9/09	1710				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 13.0
Rock Cored (ft) --
Samples 3G
Boring No. B234

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B235

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 6, 2009
Finish October 6, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	G1 24/48	0.0 4.0	0.3		-ASPHALT- Black ASH (90%) with sand and gravel, mps 15 mm. -FILL-										
	ND			3.2	ML	Yellow-brown SILT with sand (ML), with black ASH (20-30%), mps 20 mm., no odor, moist (disturbed). -FILL-		5	10	5	5	75	R	L	L	L
5	ND	G2 20/48	4.0 8.0													
	ND			7.9	GP	Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., no odor, damp. -ALLUVIAL-	20	35	10	15	15	5	R	L	N	N
	ND	G3 19/48	8.0 12.0													
10	ND															
	ND	G4 26/48	12.0 16.0		GP	Similar as above. -ALLUVIAL-										
	ND															
15				16.0		Bottom of Exploration at 16.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/6/09	1040				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 16.0
Rock Cored (ft) --
Samples 4G
Boring No. B235

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B236

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 5, 2009
Finish October 5, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	G1 35/48	0.0 4.0		ML	Gray-brown SILT with sand and gravel (ML) with black ASH (30-40%), mps 20 mm., no odor. -FILL-										
	ND															
	ND															
	ND	G2 27/48	4.0 8.0													
5	ND															
	ND															
				7.5	ML	Brown SILT with sand (ML), mps 5 mm., no odor, moist.				5	5	85	R	L	L	L
	ND	G3 26/48	8.0 12.0	8.0	GP-GM	-ALLUVIAL- Brown poorly-graded GRAVEL with sand and silt (GP-GM). -ALLUVIAL-	25	30	10	10	5	10	R	L	N	N
	ND															
10	ND															
	ND	G4 22/48	12.0 16.0		GP-GM	Similar as above, except moist to wet from 12.0 to 12.5 ft. -ALLUVIAL-										
	ND															
	ND															
15				16.0		Bottom of Exploration at 16.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/5/09	1400				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 16.0
Rock Cored (ft) --
Samples 4G

Boring No. B236

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B237

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 5, 2009
Finish October 5, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 46/48	1.0 5.0		ML	Brown SILT with sand and gravel (ML) and black ASH (20%), mps 10 mm., no odor, moist.		20	10	10	10	50				
	ND					-FILL-										
5	ND	G2 28/48	5.0 9.0	6.2	ML	Brown SILT with sand (ML), mps 1 mm., no odor, moist. -ALLUVIAL-					20	80	R	L	L	L
	ND			8.9												
	ND	G3 25/48	9.0 13.0		GP-GM	Brown poorly-graded GRAVEL with sand and silt (GP-GM). -ALLUVIAL-	20	30	15	15	10	10	R	L	N	N
10	ND			13.0		Bottom of Exploration at 13.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/5/09	1150				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 13.0
Rock Cored (ft) --
Samples 3G

Boring No. B237

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B238

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 16, 2009
Finish October 16, 2009
Driller S. Lorant
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	ND	G1 10/48	1.0 5.0	1.0		Brown-black ASH (50%) with sand and gravel, mps 28 mm., no odor, damp to dry. Trace brick, rust colored fragments. -FILL-										
	ND															
5	ND	G2 20/48	5.0 9.0	5.3	GM	Brown silty GRAVEL with sand (GM), mps 30 mm., no odor, moist. -ALLUVIAL-	25	35	10	10	5	15	R	L	N	N
	ND															
	ND	G3 23/48	9.0 13.0		GM	Similar as above.										
10	ND					-ALLUVIAL-										
				13.0		Bottom of Exploration at 13.0 ft.										

Note:
1. DUP 8 collected from B238-2 (1-5.3 ft.)

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/16/09	0945				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 13.0
Rock Cored (ft) --
Samples 3G

Boring No. B238

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Toughness** L - Low M - Medium H - High **Plasticity** N - Nonplastic L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B239

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 5, 2009
Finish October 5, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 33/48	1.0 5.0			Black-brown ASH, trace red brick, mps 15 mm., no odor, damp. -FILL-										
	ND			3.5	ML	Brown SILT with sand (ML), mps 3 mm., no odor, damp to moist, (disturbed, trace ash).					15	85	R	L	L	L
5	ND	G2 24/48	5.0 9.0	4.5	ML	-FILL- Brown SILT with sand (ML), mps 1 mm., no odor, damp to moist.					15	85	R	L	L	L
	ND			5.5	GP-GM	-ALLUVIAL- Brown poorly-graded GRAVEL with sand and gravel (GP-GM), no odor, damp. -ALLUVIAL-	25	30	15	15	10	5	R	L	N	N
10	ND	G3 25/48	9.0 13.0		GP-GM	Similar as above. -ALLUVIAL-										
	ND			13.0		Bottom of Exploration at 13.0 ft.										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/5/09					Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 13.0
Rock Cored (ft) --
Samples 3G
Boring No. B239

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B240

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 5, 2009
Finish October 5, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel %	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test: Dilatancy	Toughness	Plasticity	Strength
0				0.5		-CONCRETE-									
	ND	G1 43/48	1.0 5.0		ML	Brown SILT with sand and gravel (ML), mps 15 mm., no odor, damp. trace black ASH. -FILL-		15	10	5	5	65	R	L	L	L
	ND					Noted trace ASH to 5.0 ft., (disturbed) -FILL-										
5	ND	G2 22/48	5.0 9.0	5.7	GM	Brown silty GRAVEL with sand (GM), mps 33 mm., no odor, damp to moist, trace clay. -ALLUVIAL-	25	30	10	10	5	20	R	L	N	N
	ND															
10	ND	G3 30/48	9.0 13.0	11.6	GP-GM	Brown poorly-graded GRAVEL with silt and sand (GP-GM), mps 33 mm., no odor, damp. -ALLUVIAL-	25	35	10	10	10	10	R	L	N	N
	ND			13.0		Bottom of Exploration at 13.0 ft.										
						Note: 1. DUP-4 collected from 8.0 to 10.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/5/09	1315				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 13.0
Rock Cored (ft) --
Samples 3G

Boring No. B240

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B241

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 6, 2009
Finish October 6, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	G1 26/48	0.0 4.0	0.3		-ASPHALT- Black-brown ASH (90%) with silt and sand (10%) -FILL-										
	ND															
	ND	G2 30/48	4.0 8.0	4.6	ML	Brown-black stained SILT with sand (ML), mps 1 mm., no odor, damp.					20	80	R	L	L	L
5				5.3	ML	-FILL-										
	ND					Brown SILT with sand (ML), mps 1 mm., no odor, damp. -ALLUVIAL-					20	80	R	L	L	L
	ND	G3 26/48	8.0 12.0	7.7	GM	Brown silty GRAVEL with sand (GM), mps 33 mps, damp to moist. -ALLUVIAL-	5	30	10	10	5	20	R	L	N	N
10	ND															
	ND	G4 24/48	12.0 16.0	13.0	GP	Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., damp. -ALLUVIAL-	25	35	10	15	5	5	R	L	N	N
15	ND															
				16.0		Bottom of Exploration at 16.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/06/09					Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 16.0
Rock Cored (ft) --
Samples 4G

Boring No. B241

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123-011 EI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B242

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 6, 2009
Finish October 6, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	G1 42/48	0.0 4.0	0.3	ML	-ASPHALT- Black-brown SILT with sand (ML), and Black ASH (40%).										
	ND			1.8	ML	Black-brown SILT with sand (ML), 10% ASH. -FILL-			5	5	10	80	R	L	L	L
	ND	G2 12/48	4.0 8.0	4.5	GM	Brown silty GRAVEL with sand (GM), mps 30 mm., no odor, damp. -ALLUVIAL-	25	30	10	10	5	20	R	L	N	N
5	ND															
	ND	G3 16/48	8.0 12.0	8.0	GP	Brown poorly-graded GRAVEL with sand (GP), mps 30 mm., no odor, damp. -ALLUVIAL-	30	30	15	10	10	5	R	L	N	N
10				12.0		Bottom of Exploration at 12.0 ft.										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/6/09	1010				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 12.0
Rock Cored (ft) --
Samples 3G
Boring No. B242

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Toughness**: L - Low M - Medium H - High **Plasticity**: N - Nonplastic L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE_07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B243

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 6, 2009
Finish October 6, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel %	Sand %	Sand %	Sand %	Fines %	Field Test			
							Coarse	Fine	Coarse	Medium	Fine		Dilatancy	Toughness	Plasticity	Strength
0	ND	G1 20/48	0.0 4.0	0.2		Brown silty SAND (SM), mps 4 mm., no odor, damp. Trace ASH.		5	5	15	50	25	R	L	L	L
				0.8		Black ASH, trace red brick, mps 15 mm., no odor, damp. -FILL-										
	ND				ML	Brown SILT with sand and gravel (ML), mps 20 mm., no odor, damp to moist. Trace black ASH staining (disturbed). -FILL-	5	10	10	10	15	50	R	L	L	L
5	ND	G2 20/48	4.0 8.0													
	ND			6.0	GP	Brown poorly-graded GRAVEL with sand (GP), mps 30 mm., no odor, damp. -ALLUVIAL-	25	35	15	10	10	5	R	L	N	N
	ND	G3 25/48	8.0 12.0		GP	Similar as above. -ALLUVIAL-										
10				12.0		Bottom of Exploration at 12.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/6/09	0945				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 12.0
Rock Cored (ft) --
Samples 3G
Boring No. B243

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\911 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B244

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 5, 2009
Finish October 5, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	G1 35/48	0.0 4.0	0.8	GP	Brown poorly-graded GRAVEL with sand (GP), mps 33 mm., no odor, damp to dry. -FILL-	30	30	15	10	10	5				
	ND															
	ND															
				3.3		Black-white-tan ASH (90%), mps 5 mm., no odor, damp. -FILL-										
	ND	G2 25/48	4.0 8.0		ML	Brown SILT with sand (ML), mps 3 mm., no odor, damp. (trace ASH, disturbed).				5	15	80	R	L	L	L
5	ND			5.0	ML	-FILL-				5	15	80	R	L	L	L
	ND					Brown SILT with sand (ML), mps 5 mm., no odor, damp. -ALLUVIAL-										
				7.3		Brown poorly-graded GRAVEL with sand (GP), mps 33 mm., no odor, damp to moist. -ALLUVIAL-	25	35	15	10	10	5	R	L	N	N
	ND	G3 22/48	8.0 12.0													
10	ND															
				12.0		Bottom of Exploration at 12.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/5/09	1500				Dry

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 12.0
Rock Cored (ft) --
Samples 3G

Boring No. B244

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Toughness** L - Low M - Medium H - High **Plasticity** N - Nonplastic L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B245

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 16, 2009
Finish October 16, 2009
Driller S. Lorant
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
	ND	G1 29/48	1.0 5.0	1.0	SP	Brown poorly-graded SAND (SP), mps 5 mm., no odor, damp.		15	5	5	70	5	R	L	N	N
				1.5		-FILL-										
						Black ASH (100%), mps 10 mm., no odor, damp.										
						-FILL-										
	ND			4.5	ML	Brown SILT with sand (ML), mps 2 mm., no odor, moist. Trace black ASH, ASH staining (disturbed).					20	80	R	L	L	L
5	ND	G2 26/48	5.0 9.0			-FILL-										
				6.5	GP-GM	Brown poorly-graded GRAVEL with silt and sand (GP-GM), mps 35 mm., no odor, damp to moist.	20	40	10	10	10	10	R	L	N	N
	ND					-ALLUVIAL-										
	ND	G3 12/48	9.0 13.0			Similar as above.										
10						-ALLUVIAL-										
	ND															
				13.0		Bottom of Exploration at 13.0 ft.										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/16/09	0840				Dry

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 13.0
Rock Cored (ft) --
Samples 3G

Boring No. B245

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Toughness** L - Low M - Medium H - High **Plasticity** N - Nonplastic L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B246-MW

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 12, 2009
Finish October 12, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	4-1/4	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 38/48	1.0 5.0			Black ASH (90%) with silt and gravel, mps 18 mm., no odor, damp. -FILL-										
	ND			4.7	ML	Brown-black sandy SILT (ML), mps 3 mm., no odor, damp. Trace black										
5	ND	G2 38/48	5.0 9.0	5.1	ML	ASH (disturbed). -FILL-				5	15	80	R	L	L	L
	ND					Brown SILT with sand (ML), mps 2 mm., no odor, damp to wet. -ALLUVIAL-										
	ND	G3 17/48	9.0 13.0	9.1	GM	Brown silty GRAVEL with sand (GM), mps 30 mm., no odor, damp. -ALLUVIAL-	20	30	10	10	10	20	R	L	N	N
10	ND															
	ND															
	ND	G4 18/48	13.0 17.0	13.5	GP	Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., no odor, damp. -ALLUVIAL-	20	35	15	15	10	5	R	L	N	N
15	ND															
	ND	G5 24/48	17.0 21.0		GP	Similar as above, except damp to moist. -ALLUVIAL-										
	ND															
20	ND															

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/12/09					21.9
10/13/09					22.3

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 32.0
Rock Cored (ft) --
Samples 8G
Boring No. B246-MW

Field Tests: **Dilatancy** R - Rapid S - Slow N - None
Toughness L - Low M - Medium H - High
Plasticity N - Nonplastic L - Low M - Medium H - High
Dry Strength N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B246-MW
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20																
	ND	G6 15/48	21.0 25.0		GP	Similar as above, except wet at 24.9 ft. -ALLUVIAL-										
	ND															
	ND															
25	ND	G7 19/48	25.0 29.0		GP	Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., no odor, wet. -ALLUVIAL-	20	35	10	15	15	5	R	L	N	N
	ND															
	ND															
	ND	G8 0/36	29.0 32.0			Observed no recovery for G8.										
30	ND															
	ND															
				32.0		Bottom of Exploration at 32.0 ft.										

Note:

1. Observation well installed in completed boring. See Observation Well Installation Report.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B246-MW

H&A-GEOPROBE-07-1 PID HA-1.1B07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B247-MW

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 3
Start October 7, 2009
Finish October 7, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	4-1/4	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.5		-CONCRETE-										
	ND	G1 22/48	1.0 5.0		ML	Brown-black stained SILT with sand (ML), and black ASH 25%, mps 25 mm., no odor, damp. Trace clay, trace wood. -FILL-		10	5	10	5	70				
	ND															
5	NM	G2 1/48	5.0 9.0			Noted poor recovery for G2. NM = Not measure - poor recovery.										
	NM															
	ND	G3 24/48	9.0 13.0	9.0	GM	Brown silty GRAVEL with sand (GM), mps 35 mm., no odor, damp. -ALLUVIAL-	25	25	10	10	10	20	R	L	N	N
10	ND															
	ND	G4 16/24	13.0 15.0	13.5	GP	Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., no odor, damp. -ALLUVIAL-	25	40	10	10	10	5	R	L	N	N
15	ND															
	ND	G5 16/48	15.0 19.0													
	ND															
	ND	G6 17/48	19.0 23.0		GP	Similar as above, except wet at 22.8 ft. -ALLUVIAL-										
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	70.0
Rock Cored (ft)	--
Samples	21G
Boring No.	**B247-MW**

Field Tests: Dilatancy R - Rapid S - Slow N - None
Toughness L - Low M - Medium H - High
Plasticity N - Nonplastic L - Low M - Medium H - High
Dry Strength N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\911 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B247-MW
File No. 33123-011
Sheet No. 2 of 3

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	ND															
	ND	G7 0/24	23.0 25.0			Wet at 22.8 ft. No recovery for G7.										
25	ND															
	ND	G8 27/48	25.0 29.0		GP	Similar as above. -ALLUVIAL-										
	ND															
	ND	G9 34/48	29.0 33.0	29.0	SW	Brown well-graded SAND with gravel (SW), mps 7 mm., no odor, wet. -ALLUVIAL-		15	30	25	25	5	R	L	N	N
30	ND															
				31.5	ML	Brown SILT with sand (ML), mps 1 mm., occasional fine sand laminae, no odor, wet. -ALLUVIAL-				5	10	85	R	L	L	L
	ND	G10 16/24	33.0 35.0	33.0	SM	Gray-brown silty SAND (SM), mps < 1 mm., no odor, wet. -ALLUVIAL-					80	20	R	L	L	L
35	ND															
	ND	G11 30/48	35.0 39.0	35.5	SP	Gray poorly-graded SAND (SP), mps < 1 mm., no odor. -ALLUVIAL-					95	5	R	L	N	N
	ND					Noted driller add potable water into augers to control sand blow-in.										
	ND	G12 32/48	39.0 43.0		SP	Gray poor-graded SAND (SP), mps < 1 mm., no odor, wet. -ALLUVIAL-					95	5	R	L	N	N
40	ND															
	ND	G13 18/24	43.0 45.0		SP	Similar as above, except wet.										
45	ND															
	ND	G14 29/48	45.0 49.0	45.3	SP-SM	Gray poorly-graded SAND with silt (SP-SM), mps < 1 mm., occasional thin silt interbeds, no odor, wet. -ALLUVIAL-					90	10	R	L	N	N
	ND															
	ND	G15	49.0	49.5												

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B247-MW

H&A-GEOPROBE.07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B247-MW
File No. 33123-011
Sheet No. 3 of 3

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
50	ND	36/48	53.0		SP	Brown poorly-graded SAND (SP), mps 1 mm., no odor, wet occasional stratified fine sand layers. -ALLUVIAL-					95	5	R	L	N	N
	ND	G16 18/24	53.0 55.0		SP	Brown poorly-graded SAND (SP), mps 2 mm., no odor, wet. Noted sand blow-in at 55.5 ft. (See Notes). -ALLUVIAL-			5	10	80	5	R	L	N	N
55	ND			54.8												
	ND	G17 30/48	55.0 59.0		GP	Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., no odor, wet. -ALLUVIAL-	10	50	20	10	5	5	R	L	N	N
	ND			59.0												
	ND	G18 20/36	59.0 62.0		GP	Gray-brown poorly-graded SAND with gravel (SP), mps 17 mm., no odor, wet.		15	40	30	10	5	R	L	N	N
60	ND															
	ND	G19 0/12	62.0 63.0			Driller noted refusal at 63.0 ft. Oversize gravel/cobble lodged in shoe of sampler. No recovery for G18.										
	ND	G20 20/24	63.0 65.0													
	ND															
65	ND	G21 16/24	65.0 67.0	65.0	SP	Brown poorly-graded SAND with gravel (SP), mps 3 mm., no odor, wet.	5	20	30	30	10	5	R	L	N	N
	ND			65.5	SP-SM	Brown poorly-graded SAND with silt (SP-SM), mps < 1 mm., no odor, wet.					90	10	R	L	L	L
	ND	G22 26/36	67.0 70.0													
	ND															
70				70.0		Bottom of Exploration at 70.0 ft.										

Notes:
1. Driller advanced 3-7/8 in., tricone rollerbit from 50-55 ft. to remove sand inside augers.
2. Observation well installed in completed boring. See Observation Well Installation Report.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B247-MW

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B248-MW

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 3
Start October 26, 2009
Finish October 28, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	4-1/4	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-ASPHALT-										
	ND	G1 28/48	0.3 4.0	0.3	ML	Gray-brown sandy SILT with gravel (ML), mps 1 mm., no odor, damp.										
	ND			1.2	ML	-FILL-										
						Gray-brown sandy SILT with gravel (ML), and black-brown ASH (35%) trace wood , mps 15 mm., no odor, damp. -FILL-										
	1.9	G2 19/48	4.0 8.0													
5	12.6															
	0.7															
	0.3															
	ND	G3 20/48	8.0 12.0			Similar as above. -FILL-										
	0.1			9.0	GP-GM	Brown poorly-graded GRAVEL with silt and sand (GP-GM), mps 30 mm., no odor, damp to dry.	20	40	10	10	10	10	R	L	N	N
10	ND					-ALLUVIAL-										
	0.5															
	0.9	G4 4/12	12.0 13.0		GP-GM	Similar as above, dry. Observed refusal at 13.0 ft. Advance augers to 15.0 ft. -ALLUVIAL-										
	NS															
15	ND	G5 26/48	15.0 19.0													
	ND															
	ND															
				17.5	GP	Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., no odor, damp. -ALLUVIAL-	15	45	15	10	10	5	R	L	N	N
	ND	G6 5/48	19.0 23.0		GP	Similar as above, except wet. Noted poor recovery for G6 (oversize gravel) lodged in shoe of sampler).										
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/26/09	0930				22.5

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 70.0
Rock Cored (ft) --
Samples 19G

Boring No. B248-MW

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID:HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS\LOGS\33123-011 TEST BORES 2009_1005_01.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B248-MW
File No. 33123-011
Sheet No. 2 of 3

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	ND					-ALLUVIAL-										
	ND															
	ND	G7 15/48	23.0 27.0		GP	Gray-brown poorly-graded GRAVEL with sand (GP), mps 30 mm., no odor, wet.	20	45	15	15	5		R	L	N	N
	ND					-ALLUVIAL-										
25																
	ND	G8 10/36	27.0 30.0		GP	Similar as above, except trace silt (<5%).										
	ND					-ALLUVIAL-										
30	ND	G9 12/48	30.0 34.0													
	ND			31.0	GP-GM	Brown poorly-graded GRAVEL with silt and sand (GP-GM), mps 25 mm., no odor, wet.	10	45	10	10	10	15	R	L	N	N
						-ALLUVIAL-										
	ND	G10 20/48	34.0 38.0	34.2	GP	Brown poorly-graded GRAVEL with sand (GP), mps 30 mm., no odor, wet.	10	60	10	10	5	5	R	L	N	N
35	ND					-ALLUVIAL-										
	ND	G11 24/48	38.0 42.0		GP	Similar as above.										
	ND															
40																
	ND	G12 15/48	42.0 46.0		GP	Brown poorly-graded GRAVEL with sand (GP), mps 30 mm., no odor, wet.	10	50	15	10	10	5	R	L	N	N
	ND															
45																
	ND	G13 8/48	46.0 49.0		GP	Similar as above. Noted poor recovery for G13.										
	ND					-ALLUVIAL-										
	ND	G14	49.0			No Recovery.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B248-MW

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B248-MW
File No. 33123-011
Sheet No. 3 of 3

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
50	ND	0/36	53.0													
	ND	G15 18/48	53.0 57.0	53.0	SP	Brown poorly-graded SAND with gravel (SP), mps 15 mm., no odor, wet. -ALLUVIAL-		20	5	25	45	5	R	L	N	N
55	ND															
	ND	G16 19/36	57.0 60.0	57.0	GP	Brown poorly-graded GRAVEL with sand (GP), mps 20 mm., no odor, wet. -ALLUVIAL-	5	60	10	10	15		R	L	N	N
60	ND															
	ND	G17 25/48	60.0 64.0		GP	Similar as above. -ALLUVIAL-										
	ND	G18 12/48	64.0 68.0													
65	ND															
				67.0	SM	Brown silty SAND with gravel (SM), mps 12 mm., no odor, moist to wet. -ALLUVIAL-		5	15	20	40	20	R	L	N	N
	ND	G19 0/24	68.0 70.0			No Recovery for G19.										
70	ND			70.0		Bottom of Exploration at 70.0 ft.										

Note:
1. Samples collected at 4-8 ft.
2. Observation well installed in completed boring. See Observation Well Installation Report.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B248-MW

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B249-MW

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 3
Start October 13, 2009
Finish October 13, 2009
Driller N. Short
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	4-1/4	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	G1 7/24	0.0 4.0		GP	Brown poorly-graded GRAVEL with sand (GP), mps 30 mm., no odor, damp, 15% Black ASH. -FILL-	5	60	10	10	15		R	L	N	N
	ND					Noted poor recovery due to gravelly conditions.										
	ND	G2 6/24	4.0 8.0			Similar as above, except 10% red brick. -FILL-										
5	ND					Poor recovery due to gravelly conditions.										
	ND	G3 7/48	8.0 12.0			Similar as above, loose. -FILL-										
10	ND															
	ND	G4 1/48	12.0 16.0			Similar as above. -FILL-										
15	ND															
	ND	G5 13/48	16.0 20.0			Similar as above, except concrete pieces noted at 16.4 to 17.0 ft. (suspected pit bottom).										
20	ND															

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/13/09	1300				24.0

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 72.0
Rock Cored (ft) --
Samples 18G
Boring No. B249-MW

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B249-MW
File No. 33123-011
Sheet No. 2 of 3

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	ND	G6 19/48	20.0 24.0	20.0	GP	Brown-gray poorly-graded GRAVEL with sand (GP), mps 25 mm., no odor, damp to moist, trace concrete.										
				21.0		-FILL-										
	ND				GM	Gray-brown silty GRAVEL with sand (GM), mps 30 mm., no odor, damp to moist. -ALLUVIAL-	10	40	10	10	5	25	R	L	N	N
	67.0	G7 18/48	24.0 28.0		GM	Gray-dark gray stained silty GRAVEL with sand (GM), mps 30 mm., strong petroleum odor, wet. Noted sheen on water. -ALLLUVIAL-	25	40	10	5	5	15	R	L	N	N
25	58.0															
	1.0	G8 29/48	28.0 32.0		GM	Gray-brown silty GRAVEL with sand (GM), mps 30 mm., slight petroleum odor, wet. -ALLUVIAL-	15	50	10	5	5	15	R	L	N	N
30	0.7															
	1.2	G9 10/48	32.0 36.0		GM	Similar as above, slight petroleum odor. -ALLUVIAL- Poor recovery for G9.										
35																
	2.5	G10 6/48	36.0 40.0	36.3	GP	Gray-brown poorly-graded GRAVEL with sand (GP), mps 28 mm., slight petroleum odor, wet. -ALLUVIAL- Poor recovery for GP10. -ALLUVIAL-	30	50	10	5	5		R	L	N	N
40	0.1	G11 15/48	40.0 44.0		GP	Similar as above, except trace silt (<5%). -ALLUVIAL-										
	0.3															
	5.3	G12 22/48	44.0 48.0		GP	Gray-brown poorly-graded GRAVEL with sand (GP), mps 25 mm., slight petroleum odor, wet. -ALLUVIAL-	10	60	10	10	10		R	L	N	N
45	3.5															
	1.3	G13 20/48	48.0 52.0		GP	Similar as above. -ALLUVIAL-										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B249-MW

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B249-MW
File No. 33123-011
Sheet No. 3 of 3

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
50	1.7															
	0.7	G14 13/48	52.0 56.0		GP	Gray-brown poorly-graded GRAVEL with sand (GP), mps 35 mm., slight petroleum odor, wet.	10	50	15	10	10	5	R	L	N	N
	1.1					-ALLUVIAL-										
55	ND	G15 16/48	56.0 60.0		GP	Similar as above, except fine sand layer from 59.5 to 59.7 ft. -ALLUVIAL-										
	ND															
60	ND	G16 10/48	60.0 64.0	60.0	SP	Brown poorly-graded SAND (SP), mps 1 mm., no odor, wet. -ALLUVIAL-				10	90		R	L	N	N
				60.7	GP	Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., no odor, wet. -ALLUVIAL-	30	40	10	10	10		R	L	N	N
	ND															
65	ND	G17 14/24	64.0 68.0													
	ND			67.0	GM	Brown silty GRAVEL with sand (GM), mps 35 mm., no odor, moist to wet. -ALLUVIAL-	25	35	10	5	5	20	R	L	N	N
	ND	G18 15/48	68.0 72.0	68.1	GP	Brown poorly-graded GRAVEL with sand (GP), mps 30 mm., no odor, wet. -ALLUVIAL-	20	40	15	10	10	5	R	L	N	N
70	ND															
				72.0		Bottom of Exploration at 72.0 ft.										

Note:
1. Observation well installed in completed boring. See Observation Well Installation Report.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B249-MW

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B250MW

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 22, 2009
Finish October 22, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel
Type	HSA	G	--
Inside Diameter (in.)	4-1/4	1 5/8	--
Hammer Weight (lb)	--	--	-
Hammer Fall (in.)	--	--	-

Drilling Equipment and Procedures
Rig Make & Model: CME-75 Truck Mount
Bit Type: Cutting Head
Drill Mud: None
Casing:
Hoist/Hammer: Winch Automatic Hammer
PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel %	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test: Dilatancy	Toughness	Plasticity	Strength
0	ND	G1 10/24	0.0 4.0			Black ASH (70%) with silt, sand and gravel, mps 30 mm., no odor, damp. Trace glass. -FILL-									
	ND														
	NS	G2 0/48	4.0 8.0			No recovery for G2 (trace black ASH).									
5	NS														
	ND	G3 38/48	8.0 12.0			Black ASH (95%) with red brick, mps 15 mm., no odor, moist. -FILL-									
10	ND														
	23.6	G4 6/48	12.0 16.0	12.5	GP	Brown poorly-graded GRAVEL with sand (GP), mps 18 mm., slight petroleum odor, moist. -ALLUVIAL-		50	15	15	15	5	R	L	N	N
15	ND	G5 21/48	16.0 20.0		GP	Similar as above. -ALLUVIAL-									
	ND														
	3.5														
	8.9														
20															

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/22/09	1500				25.0

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 28.0
Rock Cored (ft) --
Samples 7G
Boring No. B250MW

Field Tests: Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B250MW
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	81.0	G6	20.0	19.9	GP	Dark gray poorly-graded GRAVEL with sand (GP), mps 15 mm., moderate to strong petroleum (fuel oil-like) odor, moist.	5	45	20	15	10	5	R	L	N	N
	28	13/18	22.5			-ALLUVIAL-										
	38					Observed refusal at 21.5 ft. Advanced augers to 24.0 ft.										
	NS		22.5													
	20	G7	24.0		GP	Similar as above, except wet at 25.0 ft.										
25	98	8/18	25.5			Not sampled - obstructions (suspected cobbles/boulders).										
	NS															
				28.0		Bottom of Exploration at 28.0 ft.										

NS = Not Screened - no recovery, or augered through (due to obstructions).

DUP-9 collected from B261-1 (23-24').

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B250MW

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B251MW

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 19, 2009
Finish October 19, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	4-1/4	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
				1.0												
	ND	G1 18/48	1.0 5.0			Black ASH (100%), mps 10 mm., no odor, damp, trace wood. -FILL-										
	ND															
5	ND	G2 8/48	5.0 9.0	5.5	ML	Similar as above, noted poor recovery for G2. -FILL-										
						Brown SILT with sand (ML), mps 2 mm., no odor, damp. -FILL-										
	ND															
				9.0												
	ND	G3 16/48	9.0 13.0		GM	Brown silty GRAVEL with sand (GM), mps 30 mm., no odor, damp. -ALLUVIAL-	15	35	10	15	5	20	R	L	N	N
10	ND															
	ND	G4 13/48	13.0 17.0	13.5	GM	Similar as above.										
					GP	Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., no odor, damp. -ALLUVIAL-	25	35	15	10	10	5	R	L	N	N
15	ND															
		G5 19/48	17.0 21.0		GP	Similar as above. -ALLUVIAL-										
20	0.5															

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/20/09					24.3

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 28.0
Rock Cored (ft) --
Samples 7G
Boring No. B251MW

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LI507-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B251MW
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20																
	35 75	G6 24/24	21.0 23.0	22.0	GP	Brown-gray mottled poorly-graded GRAVEL with sand (GP), mps 35 mm., moderate petroleum odor, damp to moist. -ALLUVIAL-	30	25	15	15	10	5	R	L	N	N
						Observed refusal at 23.0 ft. Advance augers to 24.0 ft.										
25	20 10 8 8	G7 25/48	24.0 28.0		GP	Similar as above, except wet at 24.0 ft. -ALLUVIAL-										
				28.0		Bottom of Exploration at 28.0 ft.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B251MW

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B252MW

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 20, 2009
Finish October 20, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	4-1/4	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-ASPHALT/CONCRETE-										
				1.0												
	ND	G1 19/48	1.0 5.0	1.8	GM	Black ASH 30% with silt, sand and gravel, mps 25 mm., no odor, damp. -FILL-										
						Brown silty GRAVEL with sand (GM), mps 30 mm., no odor, damp. -FILL-	25	35	10	5	5	20	R	L	N	N
	ND															
5	ND	G2 28/48	5.0 9.0			Similar as above. -FILL-										
	ND															
				8.9												
		G3 12/48	9.0 13.0		GM	Brown silty GRAVEL with sand (GM), mps 25 mm., slight odor, tar-like, some black staining, damp to moist. -FILL-	20	35	15	5	5	20	R	L	N	N
10	2.4			10.2		Black tar-like material (20%) with silt , sand and gravel, 0.2' of this material recovered at bottom of sample - poor recovery, slight odor. -FILL-										
	0.5															
	ND	G4 12/48	13.0 17.0	13.7	GM	Brown silty GRAVEL with sand (GM), mps 30 mm., trace black tar-like odor, damp. -ALLUVIAL-	25	35	10	10	5	15	R	L	N	N
15	ND															
	ND															
				17.0												
	ND	G5 20/48	17.0 21.0		GM	Brown silty GRAVEL with sand (GM), mps 28 mm., no odor, damp. -ALLUVIAL-	20	35	15	10	5	15	R	L	N	N
20	ND															

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/20/09	1845				24.2
10/20/09	1500				21.7

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	28.0
Rock Cored (ft)	--
Samples	7G

Boring No. B252MW

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-1IB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B252MW
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20																
	3.4 46.0 70.0 35.0	G6 21/48	21.0 25.0	21.2	GM	Gray-brown stained silty GRAVEL with sand (GM), mps 35 mm., moderate petroleum (fuel oil like) odor, moist. -ALLUVIAL- Wet at 24.2 ft.	20	35	10	10	10	15	R	L	N	N
25	1.2 6.8 1.0	G7 20/36	25.0 28.0		GM	Gray-brown stained silty GRAVEL with sand (GM), mps 30 mm., moderate petroleum (fuel-oil like) odor, wet. -ALLUVIAL-	25	35	10	5	5	15	R	L	N	N
				28.0		Bottom of Exploration at 28.0 ft.										

Note:
1. Observation well installed in completed boring. See Observation Well Installation Report.
2. Thickness of tar-like material estimated due to poor recovery.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B252MW

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B253

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 19, 2009
Finish October 19, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				1.0		-CONCRETE-										
	ND	G1 30/48	1.0 5.0	1.9	ML	Black ASH, mps 15 mm., no odor, damp. Trace red brick. -FILL- Brown SILT with sand (ML), mps 2 mm., no odor, damp. Trace black ASH. ASH stained (disturbed). -FILL-					20	80	R	L	L	L
	ND															
5	ND	G2 28/48	5.0 9.0	5.7	ML	Brown SILT with sand (ML), mps 3 mm., no odor, damp. -ALLUVIAL-					20	80	R	L	L	L
	ND			7.4	SP-SM	Brown poorly-graded SAND with silt (SP-SM), mps 1 mm., no odor, moist. -ALLUVIAL-				5	85	10	R	L	N	N
				8.2	GP	Brown poorly-graded SAND with silt (SP-SM), mps 1 mm., no odor, moist. -ALLUVIAL-	20	40	15	10	5	5	R	L	N	N
10	ND	G3 16/48	9.0 13.0													
	ND															
	ND															
	ND	G4 20/36	13.0 16.0		GP	Similar as above. -ALLUVIAL-										
15	0.5															
	0.3	G5 20/48	16.0 20.0		GP	Similar as above.										
	0.1															
	0.3															
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/19/09	1630				23.8

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 24.0
Rock Cored (ft) --
Samples 6G

Boring No. B253

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B253
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	0.3	G6	20.0													
	0.5	18/48	24.0													
	90.0			21.5	GP-GM	Gray-brown poorly-graded GRAVEL with silt and sand (GP-GM), mps 30 mm., strong petroleum (fuel oil like) odor, moist. -ALLUVIAL-	20	40	10	10	10	10	R	L	N	N
	85.0			24.0		Bottom of Exploration at 24.0 ft.										

Notes:
1. Boring B253-observed refusal at 17.04 ft. (Bent sampler rod) moved boring 5' E. Collected B253-1.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B253

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B254

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 19, 2009
Finish October 19, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-ASPHALT/CONCRETE-										
	ND	G1 36/48	1.0 5.0	1.0		Black ASH with coal fragments, mps 10 mm., no odor, damp. - FILL-										
				1.9	ML	Brown SILT with sand (ML), mps 20 mm., no odor, damp to moist, trace ASH (disturbed).					20	80	R	L	L	L
				3.0		-FILL-										
	ND				ML	Brown SILT with sand (ML), mps 2 mm., no odor, damp. -ALLUVIAL-					20	80	R	L	L	L
5	ND	G2 26/48	5.0 9.0													
				6.5	GM	Brown silty GRAVEL with sand (GM), mps 25 mm., no odor, damp to moist. -ALLUVIAL-	15	40	10	10	5	20	R	L	N	N
	ND															
	ND	G3 18/48	9.0 13.0		GM	Similar as above. -ALLUVIAL-										
10	ND															
	0.4	G4 43/48	13.0 17.0													
	0.3			14.0	GP	Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., no odor, damp to dry. -ALLUVIAL-	25	35	15	10	10	5	R	L	N	N
15	0.1															
	ND															
	ND	G5 30/48	17.0 21.0		GP	Brown poorly-graded GRAVEL with sand (GP), mps 30 mm., slight petroleum odor, damp. -ALLUVIAL-	20	40	15	10	10	5	R	L	N	N
	0.2															
	14.9															
20	0.5															

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/19/09					24.0

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 25.0
Rock Cored (ft) --
Samples 6G

Boring No. B254

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength**: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE.07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\911 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B254
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20																
	24.0	G6	21.0													
	41	35/48	25.0			Moist to wet at 22.0 ft.										
	25															
	153															
				24.0	GM	Gray-brown silty GRAVEL with sand (GM), mps 35 mm., moderate petroleum odor, wet.	15	35	10	10	10	20	R	L	N	N
25				25.0		-ALLUVIAL-										
						Bottom of Exploration at 25.0 ft.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B254

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B255

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 14, 2009
Finish October 14, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	G1 24/48	0.0 4.0	0.3		-ASPHALT- Black ASH (60%) with gray-brown silt with sand. -FILL-										
	ND															
	ND	G2 14/48	4.0 8.0	5.0	GM	Brown silty GRAVEL with sand (GM), mps 25 mm., no odor, moist. -ALLLUVIAL-	5	50	10	10	10	15	R	L	N	N
5	ND															
	ND	G3 18/48	8.0 12.0		GM	Similar as above. -ALLUVIAL-										
10	ND															
	ND	G4 24/48	12.0 16.0	12.5	GP	Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., no odor, damp. -ALLUVIAL-	25	35	15	10	10	5	R	L	N	N
15	ND															
	ND	G5 14/48	16.0 20.0			Similar as above. -ALLUVIAL-										
20	ND															

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/14/09	1015				24.7

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 28.0
Rock Cored (ft) --
Samples 7G
Boring No. B255

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Toughness** L - Low M - Medium H - High **Plasticity** N - Nonplastic L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B255
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	ND	G6 26/48	20.0 24.0			Similar as above, except moist at 23.9 ft. -ALLUVIAL-										
	ND															
	ND	G7 /48	24.0 28.0	24.7	GM	Brown silty GRAVEL with sand (GM), mps 35 mm., no odor, moist to wet. -ALLUVIAL-										
25	ND															
				28.0		Bottom of Exploration at 28.0 ft.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B255

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B256

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 14, 2009
Finish October 14, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
				0.7												
	ND	G1 26/48	1.0 5.0			Black ASH (100%), mps 15 mm., no odor, damp. -FILL-										
				3.0	ML	Gray-brown SILT with sand (ML), mps 1 mm., no odor, moist. Trace ASH (disturbed). -FILL-					15	85	R	L	L	L
5	ND	G2 32/48	5.0 9.0													
				6.0	ML	Brown SILT with sand (ML), mps 15 mm., no odor, moist. -ALLUVIAL-		5			15	80	R	L	L	L
	ND															
				8.8	GM	Brown silty GRAVEL with sand (GM), mps 25 mm., no odor, moist. -ALLLUVIAL-	15	40	15	10	5	15	R	L	N	N
10	ND	G3 18/48	9.0 13.0													
	ND															
	ND	G4 18/48	13.0 17.0	13.8	SP	Brown poorly-graded SAND with gravel (SP), mps 12 mm., no odor, moist. -ALLUVIAL-		15	5	15	60	5	R	L	N	N
15	ND			15.6	GP	Brown poorly-graded GRAVEL with sand (GP), mps 25 mm., no odor, damp. -ALLUVIAL-	20	40	10	15	10	5	R	L	N	N
	ND	G5 27/48	17.0 21.0													
20	ND															

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/14/09	1110				24.5

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 25.0
Rock Cored (ft) --
Samples 6G
Boring No. B256

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B256
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20																
	1.0	G6 37/48	21.0 25.0													
	35.0			22.0	GP-GM	Brown light gray stained poorly-graded GRAVEL with silt and sand (GP-GM), mps 35 mm., slight petroleum odor, damp to moist.	25	35	10	10	10	10	R	L	N	N
	17.0															
	1.8															
				24.5		Wet at 24.5 ft.										
25				25.0		Bottom of Exploration at 25.0 ft.										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B256

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B257

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 14, 2009
Finish October 14, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0				0.7		-CONCRETE-										
	ND	G1 26/48	1.0 5.0			Black ASH (90%) with silt and sand, mps 15 mm., no odor, damp to moist. -FILL-										
	ND			3.1	ML	Gray-brown SILT with sand (ML), mps 5 mm., no odor, damp. 10% black ASH (disturbed). -FILL-					15	85	R	L	L	L
5	ND	G2 20/48	5.0 9.0			Similar as above, except black coal fragments from 7.0 to 7.2 ft. -FILL-										
	ND															
	ND	G3 40/48	9.0 13.0	9.5	ML	Brown SILT with sand (ML), mps 2 mm., no odor, damp to moist. -ALLUVIAL-					15	85	R	L	L	L
10	ND															
	ND	G4 14/48	13.0 17.0	12.6	GM	Brown silty GRAVEL with sand (GM), mps 35 mm., no odor, damp. -ALLUVIAL-	10	55	10	5	5	15	R	L	N	N
15	ND					Similar as above, except wet at 16.7 ft. -ALLUVIAL-										
	ND	G5 24/48	17.0 21.0													
20	ND															

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/14/09	1245				24.4

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 25.0
Rock Cored (ft) --
Samples 6G
Boring No. B257

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B257
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20				20.1	GP	Brown poorly-graded GRAVEL with sand (GP), mps 25 mm., no odor, damp.	10	40	15	15	15	5	R	L	N	N
	ND	G6	21.0			-ALLUVIAL-										
	0.7	28/48	25.0													
	2.5															
	1.8															
				24.4		Slightly gray stained, slight petroleum odor, wet at 24.4 ft.										
25				25.0		Bottom of Exploration at 25.0 ft.										

Note:
1. Moved 5' W of original location suspected concrete at 5.0 ft. (refusal).

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B257

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B258

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 19, 2009
Finish October 19, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0																
	ND	G1 18/48	1.0 5.0	1.0		Black-brown ASH with sand, mps 10 mm., no odor, damp, trace gravel, trace brick. -FILL-										
	ND			2.5	ML	Black SILT with sand (ML), mps 2 mm., strong petroleum odor, moist. -FILL-					15	85	R	L	L	L
	.5															
	155															
5	97	G2 36/48	5.0 9.0		ML	Similar as above, except color change to gray-brown with black staining at 8.0 ft. -FILL-										
	145															
	164															
	169															
	35	G3 28/48	9.0 13.0		ML	Similar as above. -FILL-										
10	31															
	81															
	3.5															
				12.2	GP-GM	Brown-gray poorly-graded GRAVEL with silt and sand (GP-GM), mps 30 mm., moderate petroleum odor, damp. -ALLUVIAL-	20	35	15	10	10	10	R	L	N	N
	77	G4 26/48	13.0 17.0													
	52															
15																
	98	G5 26/48	17.0 21.0		GP-GM	Similar as above with black staining at 18.0 ft. to 18.3 ft. -ALLUVIAL-										
	92															
	102															
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/19/09	1120				24.7

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 25.0
Rock Cored (ft) --
Samples 6G
Boring No. B258

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B258
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20																
	52	G6 29/48	21.0 25.0	21.0		Gray-brown poorly-graded GRAVEL with sand, mps 35 mm., moderate to strong petroleum odor, damp to moist. -ALLUVIAL-	15	40	15	10	10	10	R	L	N	N
	52															
	79					Gray-brown, wet at 24.7 ft.										
	76															
25				25.0		Bottom of Exploration at 25.0 ft.										

Notes:
1. Collected 6-7 ft. - B258-1, B258-1ms/msd, 23-24 - B258-2
2. Noted refusal at 5.0 ft. moved 5' W.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B258

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B259

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 1
Start October 21, 2009
Finish October 21, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	--	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	--	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
				1.0												
	ND	S1 24/24	1.0 3.0			Black ASH 70% with silt, sand and gravel, mps 30 mm., no odor, damp. -FILL-										
	ND															
	ND	G1 40/48	3.0 7.0													
	ND			4.2												
5					ML	Brown SILT with sand (ML), mps 2 mm., no odor, damp, black ASH 25% -FILL-					15	85	R	L	L	L
					ML	Brown SILT with sand (ML), mps 3 mm., no odor, damp to moist. -ALLUVIAL-					15	85	R	L	L	L
	ND	G2 18/24	7.0 9.0	7.0	GM	Brown silty GRAVEL with sand (GM), mps 25 mm., no odor, damp.	20	30	10	10	10	20	R	L	N	N
	ND															
				9.0		Bottom of Exploration at 9.0 ft.										

Notes:
1. Sampled for TAL metals (0-2') + MS/MSD
   PCB's (0-2') + MS/MSD
2. 3" Spoon used for 1-3' sample.

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/21/09	0945				Dry

Sample ID: O - Open End Rod; T - Thin Wall Tube; U - Undisturbed Sample; S - Splitspoon Sample; G - Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary

Overburden (ft) 9.0
Rock Cored (ft) --
Samples 1S, 2G

Boring No. B259

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None; **Toughness**: L - Low M - Medium H - High; **Plasticity**: N - Nonplastic L - Low M - Medium H - High; **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B260

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 21, 2009
Finish October 21, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	4-1/4	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	G1 35/48	0.0 4.0			Gray-black ASH with sand, mps 30 mm., no odor, damp. Trace red brick. -FILL-										
	ND															
	ND	G2 42/48	4.0 8.0	4.0	ML	Brown SILT with sand (ML), mps 10 mm., no odor, moist. Trace ash, red brick (disturbed).					20	80	R	L	L	L
5				5.0	ML	-FILL-					20	80	R	L	L	L
	ND					Brown SILT with sand (ML), mps 2 mm., no odor, moist. -ALLUVIAL-										
				7.7	GM	Brown silty GRAVEL with sand (GM), mps 35 mm., no odor, damp.	25	30	10	5	5	20	R	L	N	N
	ND	G3 8/48	8.0 12.0			Moist to wet at 8.8 ft.										
10	ND															
	ND	G4 22/48	12.0 16.0		GM	Similar as above, damp to moist.										
	ND															
15	0.3															
	0.4	G5 25/48	16.0 20.0		GM	Similar as above.										
	0.4					Driller noted very dense soil conditions.										
	0.2															
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/21/09	1320				24.3

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 27
Rock Cored (ft) --
Samples 8G
Boring No. B260

Field Tests: **Dilatancy**: R - Rapid S - Slow N - None **Plasticity**: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B260
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	4.2	G6 22/24	20.0 22.5	20.0	GP	Brown poorly-graded GRAVEL with sand (GP), mps 35 mm., moderate to strong petroleum odor, damp. Observed refusal at 22.0 ft., 22.5 ft. Advanced augers to 23.5 ft.	25	40	10	10	10	5	R	L	N	N
	55.0															
	35.0															
	35.0	G7 6/6	22.5 23.0													
	95	G8 16/48	23.0 27.0	24.3	GP	Gray-brown poorly-graded GRAVEL with sand (GP), mps 35 mm., moderate to strong petroleum odor, wet. Noted slight sheen in water.	30	20	15	15	10		R	L	N	N
25	15															
				27.0		Bottom of Exploration at 27.0 ft.										

Note:
1. Boring location moved 3' west following refusal at 5.0 ft.
2. Advanced augers to 23.0 ft.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B260

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B261

Project Remedial Investigation Program Corning Fallbrook Facility
Client Corning, Inc.
Contractor Nothnagle Drilling

File No. 33123-011
Sheet No. 1 of 2
Start October 22, 2009
Finish October 22, 2009
Driller S. Loranty
H&A Rep. D. Nostrant
Elevation Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	G	--	Rig Make & Model: CME-75 Truck Mount
Inside Diameter (in.)	4-1/4	1 5/8	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: MiniRAE 2000 10.6 eV

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0						-CONCRETE-										
				1.0												
	ND	G1 15/48	1.0 5.0			Black ASH (100%), mps 15 mm., no odor, damp. -FILL-										
	ND															
				4.7	ML	Brown SILT with sand and Black ASH, mps 10 mm., no odor, moist		5			15	80	R	L	L	L
5	ND	G2 13/48	5.0 9.0	5.2	ML	(disturbed). -FILL-		5			15	80	R	L	L	L
				6.5	GM	Brown SILT with sand (ML), mps 2 mm., no odor, damp to moist. -ALLUVIAL-	25	35	10	10	5	15	R	L	N	N
	ND					Brown silty GRAVEL with sand (GM), mps 35 mm., no odor, damp. -ALLUVIAL-										
	ND	G3 14/48	9.0 13.0													
10	ND															
	ND	G4 15/48	13.0 17.0		GM	Similar as above. -ALLUVIAL-										
15	ND															
	0.2 0.4	G5 17/24	17.0 19.0		GM	Similar as above, except gray-brown. Driller noted very compact soils/gravel. Noted refusal at 19.0 ft. Advance augers to 20.0 ft. Resume sampling at 20.0 ft. -ALLUVIAL-										
		NS	19.0 20.0													
20																

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/21/09	0900				24.2

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 25.0
Rock Cored (ft) --
Samples 7G

Boring No. B261

Field Tests: **Dilatancy** R - Rapid S - Slow N - None **Plasticity** N - Nonplastic L - Low M - Medium H - High
Toughness L - Low M - Medium H - High **Dry Strength** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-GEOPROBE-07-1 PID HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

HALEY & ALDRICH

TEST BORING REPORT

Boring No. B261
File No. 33123-011
Sheet No. 2 of 2

Depth (ft)	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
20	2.0 9.5	G6 22/36	20.0 23.0													
				22.7	GP	Gray-brown poorly-graded GRAVEL with sand (GP), mps 20 mm., very slight petroleum odor, damp to moist. -ALLUVIAL-	10	45	15	15	10	5	R	L	N	N
	68 12	G7 18/24	23.0 25.0			Similar as above, excpet wet at 24.2 ft.										
25				25.0		Bottom of Exploration at 25.0 ft.										

Note:
1. NS - Not Sampled - Obstruction

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. B261

H&A-GEOPROBE-07-1 PID:HA-LIB07-1NEW.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\33123\011 RI PROGRAM\DFRS-LOGS\33123-011 TEST BORES 2009_1005_D1.GPJ Feb 23, 10

APPENDIX D

DECISION DOCUMENT

DECISION DOCUMENT

Tioga Avenue Site
Brownfield Cleanup Program
Corning, Steuben County
Site No. C851031
February 2012



Prepared by
Division of Environmental Remediation
New York State Department of Environmental Conservation

DECLARATION STATEMENT - DECISION DOCUMENT

Tioga Avenue Site
Brownfield Cleanup Program
Corning, Steuben County
Site No. C851031
February 2012

Statement of Purpose and Basis

This document presents the remedy for the Tioga Avenue Site site, a brownfield cleanup site. The remedial program was chosen in accordance with the New York State Environmental Conservation Law and Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (6 NYCRR) Part 375.

This decision is based on the Administrative Record of the New York State Department of Environmental Conservation (the Department) for the Tioga Avenue Site site and the public's input to the proposed remedy presented by the Department.

Description of Selected Remedy

The elements of the selected remedy are as follows:

1. Green remediation principals and techniques will be implemented to the extent feasible in the site management of the remedy as per DER-31. The major green remediation components are as follows;
    - Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
    - Reducing direct and indirect greenhouse gas and other emissions;
    - Increasing energy efficiency and minimizing use of non-renewable energy;
    - Conserving and efficiently managing resources and materials;
    - Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste.

2. A site cover currently exists and will be maintained to allow for commercial or industrial use of the site. Any site redevelopment will maintain a site cover, which may consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper one foot of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Where a soil cover is required it will be a minimum of one foot of soil, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for restricted commercial OR industrial use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6 NYCRR Part 375-6.7(d).

3. Imposition of an institutional control in the form of an environmental easement for the controlled property that:

- requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

- allows the use and development of the controlled property for commercial and industrial uses as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH;

- prohibits agriculture or vegetable gardens on the controlled property; and

- requires compliance with the Department approved Site Management Plan.

4. A Site Management Plan is required, which includes but may not be limited to the following:

- an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

    - Institutional Controls:
        - The Environmental Easement as discussed above.

    - Engineering Controls:
        - The soil cover as discussed above.

- an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;

- descriptions of the provisions of the environmental easement including any land and/or groundwater use restrictions;

- a provision for evaluation of the potential for soil vapor intrusion for any buildings developed on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion;

- provisions for the management and inspection of the identified engineering controls;

- maintaining site access controls and Department notification, and
- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.

Declaration

The remedy conforms with promulgated standards and criteria that are directly applicable, or that are relevant and appropriate and takes into consideration Department guidance, as appropriate. The remedy is protective of public health and the environment.



02/07/2012

Date

Michael Cruden, Director
Remedial Bureau E

DECISION DOCUMENT

Tioga Avenue Site
Corning, Steuben County
Site No. C851031
February 2012

SECTION 1: SUMMARY AND PURPOSE

The New York State Department of Environmental Conservation (the Department), in consultation with the New York State Department of Health (NYSDOH), has selected a remedy for the above referenced site. The disposal of contaminants at the site has resulted in threats to public health and the environment that would be addressed by the remedy. The disposal or release of contaminants at this site, as more fully described in this document, has contaminated various environmental media. Contaminants include hazardous waste and/or petroleum.

The New York State Brownfield Cleanup Program (BCP) is a voluntary program. The goal of the BCP is to enhance private-sector cleanups of brownfields and to reduce development pressure on "greenfields." A brownfield site is real property, the redevelopment or reuse of which may be complicated by the presence or potential presence of a contaminant.

The Department has issued this document in accordance with the requirements of New York State Environmental Conservation Law and 6 NYCRR Part 375. This document is a summary of the information that can be found in the site-related reports and documents.

SECTION 2: CITIZEN PARTICIPATION

The Department seeks input from the community on all remedies. A public comment period was held, during which the public was encouraged to submit comment on the proposed remedy. All comments on the remedy received during the comment period were considered by the Department in selecting a remedy for the site. Site-related reports and documents were made available for review by the public at the following document repository:

South Steuben County Library
300 Nasser CivicCenter Plaza
Suite 101
Corning, NY 14830
Phone: 607-936-3713

Receive Site Citizen Participation Information By Email

Please note that the Department's Division of Environmental Remediation (DER) is "going paperless" relative to citizen participation information. The ultimate goal is to distribute citizen

participation information about contaminated sites electronically by way of county email listservs. Information will be distributed for all sites that are being investigated and cleaned up in a particular county under the State Superfund Program, Environmental Restoration Program, Brownfield Cleanup Program, Voluntary Cleanup Program, and Resource Conservation and Recovery Act Program. We encourage the public to sign up for one or more county listservs at http://www.dec.ny.gov/chemical/61092.html

SECTION 3: SITE DESCRIPTION AND HISTORY

Location: The Tioga Ave. Site is located at 213, 219, and 239 East Tioga Ave, three contiguous parcels in the City of Corning, Steuben County.

Site Features: The site covers 14.4 acres and most recently was the site of the former Corning Fallbrook Glass Mfg. plant

Current Use/Zoning: The Site is currently zoned commercial/industrial with future plans conforming to that usage.

Historic Uses: The Corning Fallbrook Glass Mfg. plant operated at the site from the late 1920's until 2002 with earlier usage as a railroad operations center dating back to the mid 1800s. In 2007 the Fallbrook facility was demolished and the buildings removed, leaving essentially a level site covered by impervious materials, concrete slabs and building foundations. Portions of the site and demolition materials were characterized hazardous for lead and disposed of at a regulated facility. The Site is bordered by the Chemung River and industrial property on the north with the remaining boundary parcels occupied by parking lots, commercial establishments and residential properties.

A number of Site Assessments were completed on the Site including preliminary RCRA inspections/ evaluations completed in the 1990's and an Environmental Site Assessment (ESA) and Phase II ESA completed in 2007. These investigations identified eight Area's of Concern associated with historical operations at various locations on the site and provided the basis for developing the scope of the Remedial Investigation Work Plan.

Site Geology and Hydrogeology: The site subsurface soils are best characterized as historic fill of variable depth (1-13') overlying native soils. Ground water is found at 18-20' below ground surface with a shallow flow in the NE direction. Ground water surface modeling implies that shallow flow direction may be influenced by a non potable industrial pumping well in the SE corner of the adjacent World Kitchen property.

A site location map is attached as Figure 1.

SECTION 4: LAND USE AND PHYSICAL SETTING

The Department may consider the current, intended, and reasonably anticipated future land use of the site and its surroundings when evaluating a remedy for soil remediation. For this site, alternatives (or an alternative) that restrict(s) the use of the site to commercial use (which allows

for industrial use) as described in Part 375-1.8(g) were/was evaluated in addition to an alternative which would allow for unrestricted use of the site.

A comparison of the results of the remedial investigation (RI) to the appropriate standards, criteria and guidance values (SCGs) for the identified land use and the unrestricted use SCGs for the site contaminants is available in the RI Report.

SECTION 5: ENFORCEMENT STATUS

One or more of the Applicants under the Brownfield Cleanup Agreement is a Participant. The Participant(s) has/have an obligation to address on-site and off-site contamination. Accordingly, no enforcement actions are necessary.

SECTION 6: SITE CONTAMINATION

6.1: Summary of the Remedial Investigation

A remedial investigation (RI) serves as the mechanism for collecting data to:

- characterize site conditions;
- determine the nature of the contamination; and
- assess risk to human health and the environment.

The RI is intended to identify the nature (or type) of contamination which may be present at a site and the extent of that contamination in the environment on the site, or leaving the site. The RI reports on data gathered to determine if the soil, groundwater, soil vapor, indoor air, surface water or sediments may have been contaminated. Monitoring wells are installed to assess groundwater and soil borings or test pits are installed to sample soil and/or waste(s) identified. If other natural resources are present, such as surface water bodies or wetlands, the water and sediment may be sampled as well. Based on the presence of contaminants in soil and groundwater, soil vapor will also be sampled for the presence of contamination. Data collected in the RI influence the development of remedial alternatives. The RI report is available for review in the site document repository and the results are summarized in section 6.4.

6.1.1: Standards, Criteria, and Guidance (SCGs)

The remedy must conform to promulgated standards and criteria that are directly applicable or that are relevant and appropriate. The selection of a remedy must also take into consideration guidance, as appropriate. Standards, Criteria and Guidance are hereafter called SCGs.

To determine whether the contaminants identified in various media are present at levels of concern, the data from the RI were compared to media-specific SCGs. The Department has developed SCGs for groundwater, surface water, sediments, and soil. The NYSDOH has developed SCGs for drinking water and soil vapor intrusion. For a full listing of all SCGs see: http://www.dec.ny.gov/regulations/61794.html

6.1.2: RI Information

The analytical data collected on this site includes data for:

- groundwater
- soil

The data have identified contaminants of concern. A "contaminant of concern" is a contaminant that is sufficiently present in frequency and concentration in the environment to require evaluation for remedial action. Not all contaminants identified on the property are contaminants of concern. The nature and extent of contamination and environmental media requiring action are summarized below. Additionally, the RI Report contains a full discussion of the data. The contaminant(s) of concern identified at this site is/are:

1,1,1 TCA	LEAD
ARSENIC	Petroleum Products

The contaminant(s) of concern exceed the applicable SCGs for:

- groundwater
- soil
- soil vapor

6.2: Interim Remedial Measures

An interim remedial measure (IRM) is conducted at a site when a source of contamination or exposure pathway can be effectively addressed before issuance of the Decision Document.

There were no IRMs performed at this site during the RI.

6.3: Summary of Human Exposure Pathways

This human exposure assessment identifies ways in which people may be exposed to site-related contaminants. Chemicals can enter the body through three major pathways (breathing, touching or swallowing). This is referred to as *exposure*.

People are not coming into contact with the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Since the site is fenced and almost completely covered by asphalt or concrete, people will not come into contact with site-related soil and groundwater contamination unless they dig below the surface. Volatile organic compounds in the groundwater may move into the soil vapor (air between soil particles), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The site is currently vacant. Additional investigations are necessary to evaluate whether actions are needed to address exposures related to soil vapor

intrusion if new on-site development occurs. Environmental sampling indicates soil vapor intrusion is not a concern for off-site locations.

6.4: Summary of Environmental Assessment

This section summarizes the assessment of existing and potential future environmental impacts presented by the site. Environmental impacts may include existing and potential future exposure pathways to fish and wildlife receptors, wetlands, groundwater resources, and surface water. The RI report presents a detailed discussion of any existing and potential impacts from the site to fish and wildlife receptors.

The site was characterized through soil boring installation, sampling and analysis at the eight Areas of Concern and across the site in a grid pattern. 212 soil samples were collected on the site. Chemicals of Concern were identified and designated based on the frequency of detection, concentration levels, linkage to site operations, comparison with ambient conditions, and the potential for human or environmental exposure. The listing of chemicals of concern includes the following;

SOIL:
(1) arsenic, exceeded commercial SCOs in 32 of 182 samples (32/182)
- max. concentration 250 ppm
- 25/32 0-1'bgs
- 7/32 below 1' bgs

(2) lead, exceeded commercial SCOs in 7 of 182 samples (7/182)
- max. concentration 3100 ppm
- 5/7 0-1'bgs
- 2/7 below 1' bgs

(3) lead failed TCLP in 2 of 3 soil samples (2/3)
- max. 361 mg/l
- 2/3 1-3'bgs
- both failure locations below commercial SCOs

(4) 1,1,1, TCA was positively detected in COMPOSITE soil samples (12/27)
- max. concentration 120 ppb (below protection of groundwater SCOs)
- 10/27 0-4' bgs

(5) 1,2,4- trimethylbenzene(1/4)
- max. concentration 210 ppb

(6) isopropylbenzene (2/19)
- max. concentration 5.3 ppb

GROUNDWATER:
(1) 1,1,1, TCA was positively detected in shallow groundwater samples (5/16)

- max. concentration 2.5 ppb (below drinking water standards)

Based on investigations and characterization of the site, analysis of soil samples indicated the presence of arsenic, lead and weathered petroleum in the historical fill material.

A non-significant threat determination has been made for this site for current and future conditions provided that a low permeable cover remedy is maintained over lead contaminated soil documented to fail TCLP.

6.5: Summary of the Remediation Objectives

The objectives for the remedial program have been established through the remedy selection process stated in 6 NYCRR Part 375. The goal for the remedial program is to restore the site to pre-disposal conditions to the extent feasible. At a minimum, the remedy shall eliminate or mitigate all significant threats to public health and the environment presented by the contamination identified at the site through the proper application of scientific and engineering principles.

The remedial action objectives for this site are:

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

SECTION 7: ELEMENTS OF THE SELECTED REMEDY

The alternatives developed for the site and the evaluation of the remedial criteria are presented in the Alternative Analysis. The remedy is selected pursuant to the remedy selection criteria set forth in DER-10, Technical Guidance for Site Investigation and Remediation and 6 NYCRR Part 375.

The selected remedy is a Track 4: Restricted use with site-specific soil cleanup objectives remedy.

The elements of the selected remedy, as shown in Figure 2, are as follows:

1. Green remediation principals and techniques will be implemented to the extent feasible in the site management of the remedy as per DER-31. The major green remediation components are as follows;
   - Considering the environmental impacts of treatment technologies and remedy stewardship over the long term;
   - Reducing direct and indirect greenhouse gas and other emissions;
   - Increasing energy efficiency and minimizing use of non-renewable energy;
   - Conserving and efficiently managing resources and materials;
   - Reducing waste, increasing recycling and increasing reuse of materials which would otherwise be considered a waste.

2. A site cover currently exists and will be maintained to allow for commercial or industrial use of the site. Any site redevelopment will maintain a site cover, which may consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper one foot of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Where a soil cover is required it will be a minimum of one foot of soil, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for restricted commercial OR industrial use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6 NYCRR Part 375-6.7(d).

3. Imposition of an institutional control in the form of an environmental easement for the controlled property that:
   - requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

   - allows the use and development of the controlled property for commercial and industrial uses as defined by Part 375-1.8(g), although land use is subject to local zoning laws;

   - restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH;

   - prohibits agriculture or vegetable gardens on the controlled property; and

   - requires compliance with the Department approved Site Management Plan.

4. A Site Management Plan is required, which includes but may not be limited to the following:

   - an Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific

requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective:

- Institutional Controls:
  - The Environmental Easement as discussed above.

- Engineering Controls:
  - The soil cover as discussed above.

- an Excavation Plan which details the provisions for management of future excavations in areas of remaining contamination;

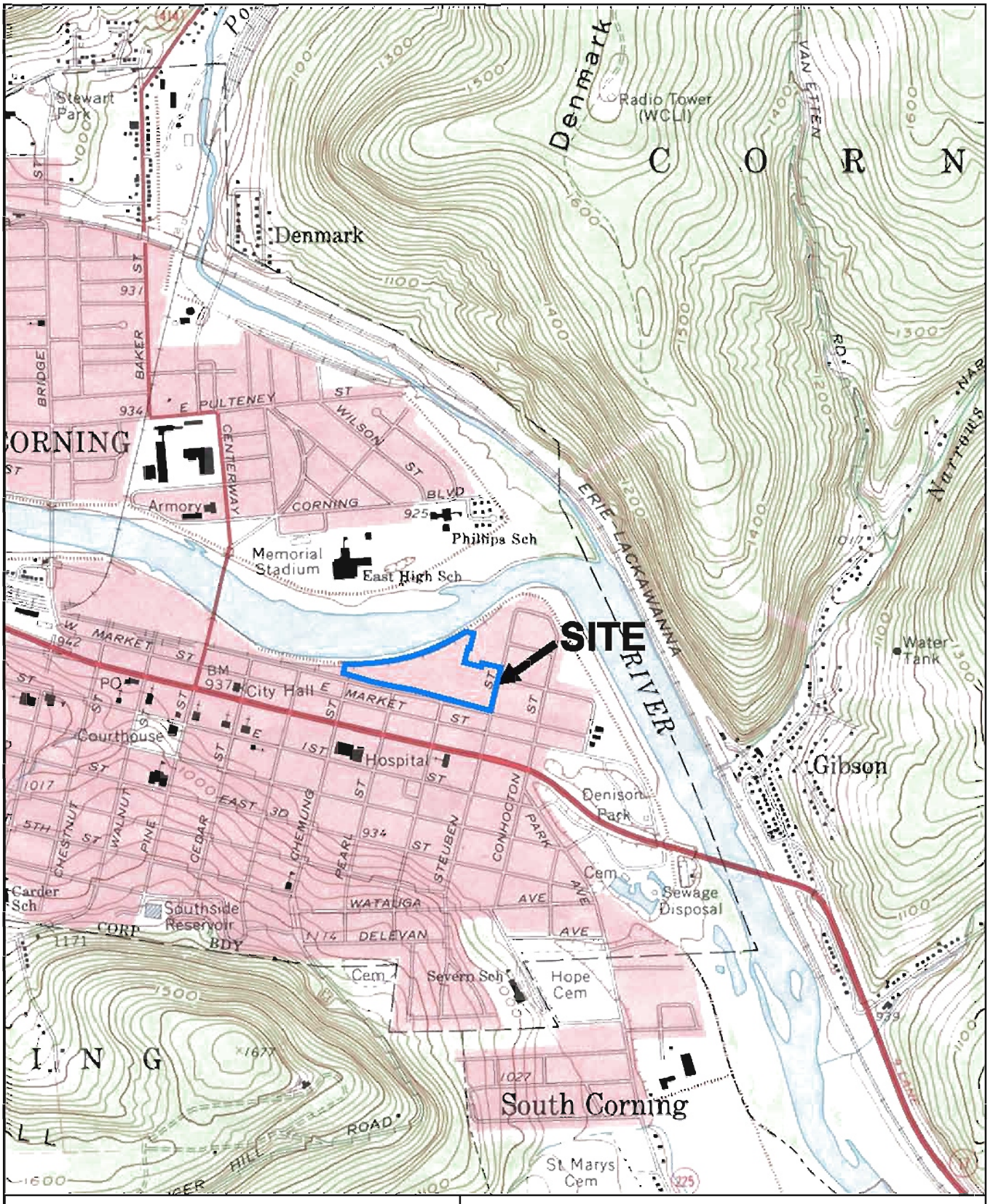
- descriptions of the provisions of the environmental easement including any land and/or groundwater use restrictions;

- a provision for evaluation of the potential for soil vapor intrusion for any buildings developed on the site, including provision for implementing actions recommended to address exposures related to soil vapor intrusion;

- provisions for the management and inspection of the identified engineering controls;

- maintaining site access controls and Department notification, and

- the steps necessary for the periodic reviews and certification of the institutional and/or engineering controls.



SITE COORDINATES: 42°08'35"N 77°02'39"W

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U.S.G.S. QUADRANGLE: CORNING, NEW YORK

HALEY & ALDRICH

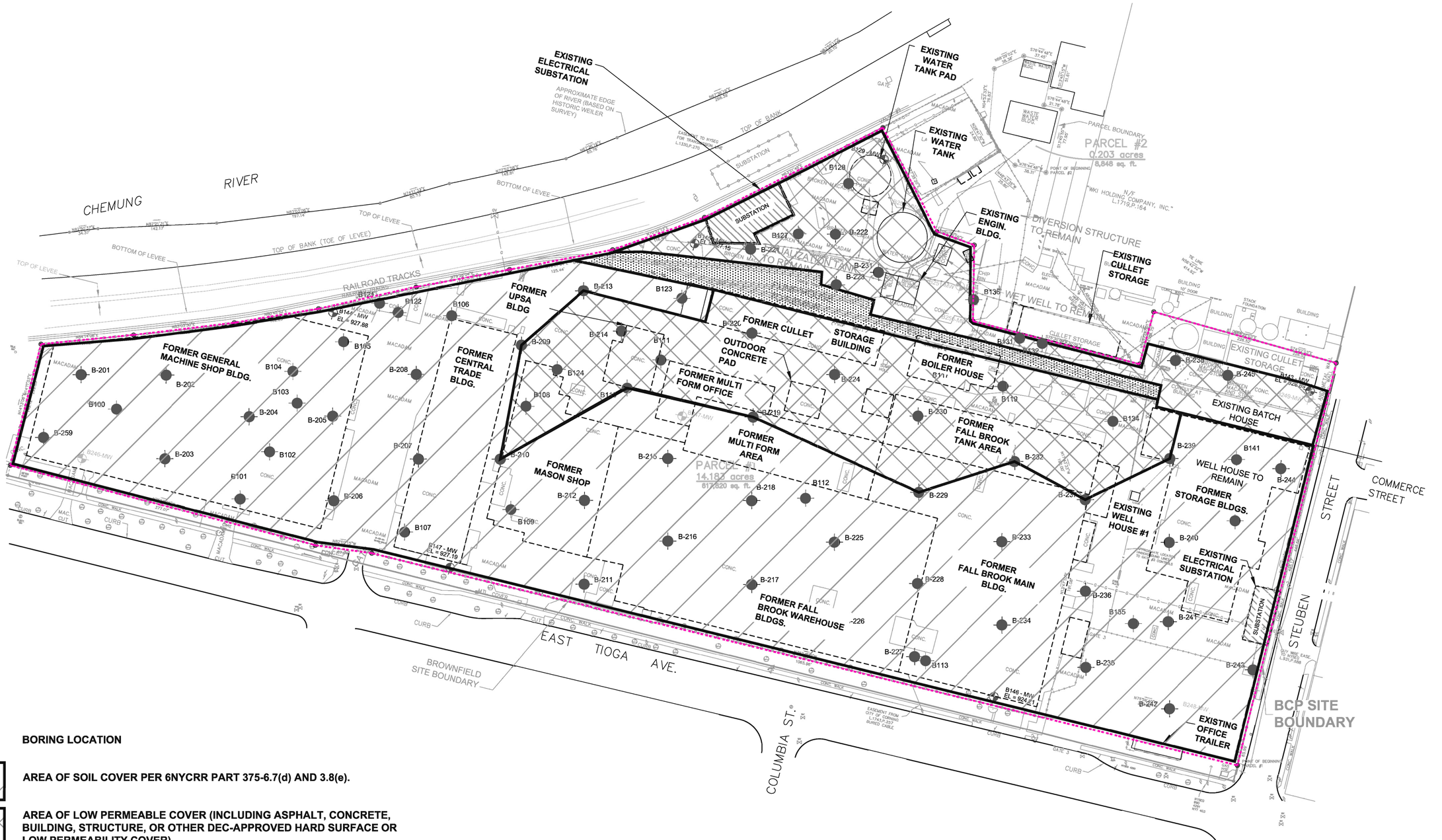
CORNING INCORPORATED
CORNING PROPERTY MANAGEMENT CORPORATION
TIOGA AVENUE PROPERTY BCP SITE #C851031
ALTERNATIVES ANALYSIS REPORT
CORNING, NEW YORK

PROJECT LOCUS

SCALE: 1:24000
AUGUST 2011 REV 0

FIGURE 1

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LEGEND

- B-220 — **BORING LOCATION**
- **AREA OF SOIL COVER PER 6NYCRR PART 375-6.7(d) AND 3.8(e).**
- **AREA OF LOW PERMEABLE COVER (INCLUDING ASPHALT, CONCRETE, BUILDING, STRUCTURE, OR OTHER DEC-APPROVED HARD SURFACE OR LOW PERMEABILITY COVER).**
- **ELECTRICAL SUBSTATION - EMPLOYEE ACCESS ONLY - NO ADDITIONAL ENGINEERING CONTROLS REQUIRED.**
- **AREA OF RAILROAD - NO ADDITIONAL ENGINEERING CONTROLS REQUIRED.**
- **OUTLINE OF FORMER BUILDING (EXISTING FLOOR SLAB)**
- **BCP SITE BOUNDARY**

NOTES:

1. THE BOUNDARIES IN THIS FIGURE SHOWING THE AREAS OF LOW PERMEABILITY COVER ARE BASED ON THE GROUNDWATER PROTECTION OBJECTIVES FOR LEAD GIVEN IN PART 375 TABLE 375-6.8(b).

N W E S

0 60 120 180 240

SCALE IN FEET

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PROPSED REMEDIAL COVER SYSTEM (TRACK 4)

SCALE: AS SHOWN
OCTOBER 2011 REV 2

FIGURE 2

FIGURE 2

G:\PROJECTS\33123017\FIGURES\33123-017_TRACK 4 REV 2.DWG

APPENDIX E
EXCAVATION WORK PLAN

APPENDIX E – EXCAVATION WORK PLAN (EWP)

E-1 NOTIFICATION

At least 15 days prior to the start of any activity that is anticipated to encounter remaining contamination or breach or alter the site's cover system, the site owner or their representative will notify the NYSDEC contacts listed in the table below. The table below includes contact information for the above notification. The information on this table will be updated as necessary to provide accurate contact information. A full listing of site-related contact information is provided in Appendix B.

Table 1: Notifications*

NYSDEC Project Manager: Evelyn Hussey	(518) 402-6787 evelyn.hussey@dec.ny.gov
NYSDEC Project Manager's Supervisor: Samantha Salotto Section Chief, Section C, Bureau E	(518) 402-9903 samantha.salotto@dec.ny.gov
NYSDEC Site Control: Leonard S. Zinoman Environmental Program Specialist 2	(518) 402-9716 Leonard.zinoman@dec.ny.gov
NYSDOH Project Manager: Johnathan Robinson	(518) 402-7860 Johnathan.robinson@health.ny.gov

* Note: Notifications are subject to change and will be updated as necessary.

This notification will include:

- A detailed description of the work to be performed, including the location and areal extent of excavation, plans/drawings for site re-grading, intrusive elements or utilities to be installed below the soil cover, estimated volumes of

contaminated soil to be excavated, any modifications of truck routes, and any work that may impact an engineering control;

- A summary of environmental conditions anticipated to be encountered in the work areas, including the nature and concentration levels of contaminants of concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling;
- A schedule for the work, detailing the start and completion of all intrusive work, and submittals (e.g., reports) to the NYSDEC documenting the completed intrusive work;
- A summary of the applicable components of this EWP;
- A statement that the work will be performed in compliance with this EWP, 29 CFR 1910.120 and 29 CFR 1926 Subpart P;
- A copy of the contractor's health and safety plan (HASP), in electronic format, if it differs from the HASP provided in Appendix G of this SMP;
- Identification of disposal facilities for potential waste streams; and
- Identification of sources of any anticipated backfill, along with the required request to import form and all supporting documentation including, but not limited to, chemical testing results.

The NYSDEC project manager will review the notification and may impose additional requirements for the excavation that are not listed in this EWP. The alteration, restoration and modification of engineering controls must conform with Article 145 Section 7209 of the Education Law regarding the application professional seals and alterations.

E-2 SOIL SCREENING METHODS

Visual, olfactory and instrument-based (e.g. photoionization detector) soil screening will be performed during all excavations into known or potentially contaminated material (remaining contamination) or a breach of the cover system. A qualified environmental professional (QEP) as defined in 6 NYCRR Part 375, a PE who is licensed and registered in New York State, or a qualified person who directly reports to a PE who

is licensed and registered in New York State will perform the screening. Soil screening will be performed when invasive work is done and will include all excavation and invasive work performed during development, such as excavations for foundations and utility work, after issuance of the COC.

Soils will be segregated based on previous environmental data and screening results into material that requires off-site disposal and material that requires testing to determine if the material can be reused on-site as soil beneath a cover or if the material can be used as cover soil. Further discussion of off-site disposal of materials and on-site reuse is provided below.

Based on soil/other material screening, the soil/other material handling protocol to be followed during the future use or development on the Site will involve the procedure described below which requires that the different types and proposed uses of cover materials, soil, fill, and ground cover materials encountered on the Site during any intrusive work are identified and characterized by the QEP and segregated, removed, specially handled, and/or appropriately reused/remain onsite or disposed offsite. The QEP will have the primary responsibility for conformance with the soil/fill/material use protocol.

1. To the extent removed, any of the existing concrete ground cover material remaining from the former manufacturing operations at the Site is acceptable for reuse on the Site subject to the NYSDEC-approved Concrete Sampling Plan dated January 2012 contained in Attachment 1 of this EWP. Other ground cover materials that exist on the Site including gravel and asphalt can be reused on the Site if approved by the QEP. Reuse of the existing ground cover material that is removed on the Site shall be below the demarcation layer unless otherwise approved by the QEP and NYSDEC.

2. To the extent removed, any of the existing concrete material that is not reused on the Site as described above shall be transported to a permitted solid waste landfill facility for disposal if contaminated or, if uncontaminated, for beneficial reuse within that facility as described in Item 10 below.

3. Native soil materials that do not contain historic fill (defined in Sections 2.2.2 and 2.5.1 of the SMP) and have been determined acceptable for onsite reuse by the QEP will be segregated and stored in a dedicated stockpile pending reuse in accordance with the SMP. Native soil can be reused as cover material or can be reused below cover systems. If native soil material is proposed for use in cover systems, such use of this material is conditional upon the results of sampling and analysis that must be conducted in accordance with the procedure identified in Section E-10 below and concentration limits identified in 6 NYCRR Part 375-6.8(b) and being the lower of the protection of groundwater or the commercial Soil Cleanup Objectives (SCOs) stated therein.

4. Historic fill material that is removed from within the low permeability cover system area as shown on Figure 5 of the SMP shall be placed below any new similarly functioning low permeable cover system or characterized for off-site disposal only at permitted facilities that are permitted to accept this type of material as further described in Item 10 below.

5. Historic fill that is removed from areas outside of the low permeable area as shown on Figure 5 of the SMP and determined acceptable for onsite reuse below cover systems by the QEP will be segregated and stored in a dedicated stockpile above and below polyethylene sheeting as described in Section E-3 below. Reuse of onsite material below cover systems does not require sampling and analysis.

6. Historic fill or debris removed from the Site that is determined not to be reused onsite will be segregated in a dedicated stockpile as described in Section E-3 (or directly loaded into trucks) for appropriate characterization and offsite management (disposal or beneficial reuse) as described in Item 10 below.

7. Historic fill that is removed and has been determined by the QEP not to be acceptable for onsite reuse specifically because it contains aesthetic petroleum issues will be segregated and stored in a dedicated stockpile as described in

Section E-3 (or directly loaded into trucks) for appropriate characterization and offsite management (disposal or beneficial reuse) as described below. The determinations of aesthetic petroleum issues associated with removed soil/fill will be made in the field by the QEP and any such soil/fill or other media will not be permitted for onsite reuse if exhibiting any of the following conditions:

- Field monitoring with a photoionization detector (PID) indicates soil/fill materials contain elevated readings on a sustained basis in excess of 10 parts per million above background;
- Observations that soil/fill contains any petroleum saturated substances/free liquids or discernable nuisance odors.

8. Historic fill that is observed to contain other materials that are inappropriate for reuse onsite as determined by the QEP will be segregated in a dedicated stockpile as described in Section E-3 pending further assessment of the nature of this material and appropriate means of offsite management (disposal or beneficial reuse) as approved by the QEP. Any Site material not reused onsite must be characterized as a waste for offsite disposal or beneficial reuse in accordance with applicable local, state, and federal regulations and disposed at licensed/permitted waste management facilities.

9. Encountering of impacted media or structures not identified by the Remedial Investigation Program (summarized in Section 2.3.2 and 2.3.3 of the SMP) will require segregation for appropriate characterization under the direction of the QEP. The extent of impacts will be documented, confirmed removed, or determined to be within applicable SCO concentration limits for Site use. Materials that are not acceptable for Site use will be characterized and disposed or beneficially used offsite at licensed/permitted waste management facilities as described in Item 10 below.

10. To the extent any of the above-described materials (or any other materials) are not reused on the Site and require offsite disposal, the following procedures will be followed:

    - The Site owner will select and designate the offsite permitted disposal facilities that are acceptable for receipt of materials from the Site.
    - Any waste profiling and characterization that is necessary to gain approval by the offsite disposal facility for disposal or beneficial use of Site materials will be coordinated through the Site owner and the QEP.
    - Any other waste material sampling will be coordinated through the Site owner and the QEP based on the nature of the material and the requirements of the disposal facility.

These procedures shall be applied in accordance with the applicable SCOs for this Site and the associated Engineering Control System requirements for the Site, as described in Section 3.3 of the SMP.

E-3 SOIL STAGING METHODS

Soil stockpiles will be continuously encircled with a berm and/or silt fence. Hay bales will be used as needed near catch basins, surface waters and other discharge points.

Stockpiles will be kept covered at all times with appropriately anchored tarps. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced.

Stockpiles will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by the NYSDEC.

E-4 MATERIALS EXCAVATION AND LOAD-OUT

A qualified environmental professional as defined in 6 NYCRR Part 375, a PE who is licensed and registered in New York State, or a qualified person who directly reports to a PE who is licensed and registered in New York State will oversee all invasive work and the excavation and load-out of all excavated material.

The owner of the property and remedial party (if applicable) and its contractors are responsible for safe execution of all invasive and other work performed under this Plan.

The presence of utilities and easements on the site will be investigated by the qualified environmental professional. It will be determined whether a risk or impediment to the planned work under this SMP is posed by utilities or easements on the site. A site utility stakeout will be completed for all utilities prior to any ground intrusive activities at the site.

Loaded vehicles leaving the site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and NYSDOT requirements (and all other applicable transportation requirements). Trucks transporting contaminated soil must have either tight-fitting opaque covers that are secured on the sides and/or back, or opaque covers that are locked on all sides.

Trucks will be dry washed on-site, as appropriate. The qualified environmental professional will be responsible for ensuring that all outbound trucks will be washed at the truck wash before leaving the site until the activities performed under this section are complete.

Locations where vehicles enter or exit the site shall be inspected daily for evidence of off-site soil tracking.

The qualified environmental professional will be responsible for ensuring that all egress points for truck and equipment transport from the site are clean of dirt and other materials derived from the site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to site-derived materials. Material accumulated from the street cleaning and egress cleaning activities will be disposed off-site at a permitted landfill facility in accordance with all applicable local, State, and Federal regulations.

E-5 MATERIALS TRANSPORT OFF-SITE

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

Material transported by trucks exiting the site will be secured with either tight-fitting opaque covers that are secured on the sides and/or back, or opaque covers that are locked on all sides. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used.

Trucks traveling to the Site from the north, west, or east will use Route 414/Center Way and Tioga Avenue. Trucks traveling to the Site from the south will use Route 352/ Dennison Parkway and Steuben Street. All trucks loaded with site materials will exit the vicinity of the site using only these approved truck routes. This is the most appropriate route and takes into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport; [(g) community input [where necessary].

The following green and sustainable concepts and techniques will be incorporated, to the extent feasible. Trucks will be prohibited from stopping and idling in the neighborhood outside the project site. Vehicle and equipment transit across the park area of the Site will be limited to minimize soil compaction and/or disturbance. Vehicles will utilize ultra-low sulfur diesel, and/or biodiesel, particularly if made from recycled byproducts, as available. Hybrid or electric vehicles will be utilized, as available.

Egress points for truck and equipment transport from the site will be kept clean of dirt and other materials during site remediation and development.

Queuing of trucks will be performed on-site in order to minimize off-site disturbance. Off-site queuing will be prohibited.

E-6 MATERIALS DISPOSAL OFF-SITE

All material excavated and removed from the site will be treated as contaminated and regulated material and will be transported and disposed off-site in a permitted facility in accordance with all local, State and Federal regulations. If disposal of material from this site is proposed for unregulated off-site disposal (i.e. clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC project manager. Unregulated off-site management of materials from this site will not occur without formal NYSDEC project manager approval.

Off-site disposal locations for excavated soils will be identified in the pre-excavation notification. This will include estimated quantities and a breakdown by class of disposal facility if appropriate, (e.g. hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, C&D debris recovery facility). Actual disposal quantities and associated documentation will be reported to the NYSDEC in the Periodic Review Report. This documentation will include, but will not be limited to: waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Non-hazardous historic fill and contaminated soils taken off-site will be handled consistent with 6 NYCRR Parts 360, 361, 362, 363, 364 and 365. Material that does not meet Unrestricted SCOs is prohibited from being taken to a New York State C&D debris recovery facility (6 NYCRR Subpart 360-15 registered or permitted facility).

E-7 MATERIALS REUSE ON-SITE

The qualified environmental professional, as defined in 6 NYCRR Part 375, will ensure that procedures defined for materials reuse in this SMP are followed and that unacceptable material (i.e. contaminated) does not remain on-site. Contaminated on-site material, including historic fill and contaminated soil, that is acceptable for reuse on-site will be placed below the demarcation layer or impervious surface, and will not be reused within the cover system or within landscaping berms. Contaminated on-site material may only be used beneath the site cover as backfill for subsurface utility lines with prior approval from the DEC project manager.

Proposed materials for reuse on-site must be sampled for full suite analytical parameters including per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane. The sampling frequency will be in accordance with DER-10 Table 5.4(e)10 unless prior approval is obtained from the NYSDEC project manager for modification of the sampling frequency. The analytical results of soil/fill material testing must meet the site use criteria presented in NYSDEC DER-10 Appendix 5 – Allowable Constituent Levels for Imported Fill or Soil for all constituents listed, and the NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (April 2023 or date of current version, whichever is later) guidance values. Approvals for modifications to the analytical parameters must be obtained from the NYSDEC project manager prior to the sampling event.

Soil/fill material for reuse on-site will be segregated and staged as described in Sections E-2 and E-3 of this EWP. The anticipated size and location of stockpiles will be provided in the 15-day notification to the NYSDEC project manager. Stockpile locations will be based on the location of site excavation activities and proximity to nearby site

features. Material reuse on-site will comply with requirements of NYSDEC DER-10 Section 5.4(e)4. Any modifications to the requirements of DER-10 Section 5.4(e)4 must be approved by the NYSDEC project manager.

Any demolition material proposed for reuse on-site will be sampled for asbestos and the results will be reported to the NYSDEC for acceptance. Existing concrete from the former manufacturing building floor slabs is acceptable for onsite reuse above or below the demarcation layer subject to testing as described in Section E-2 above, based on the Concrete Sampling Plan contained in Attachment 1 of this EWP. Concrete crushing or processing on-site will not be performed without prior NYSDEC approval. Organic matter (wood, roots, stumps, etc.) or other solid waste derived from clearing and grubbing of the site will not be reused on-site.

E-8 FLUIDS MANAGEMENT

All liquids to be removed from the site, including but not limited to, excavation dewatering, decontamination waters and groundwater monitoring well purge and development waters, will be handled, transported and disposed off-site at a permitted facility in accordance with applicable local, State, and Federal regulations. Dewatering, purge and development fluids will not be recharged back to the land surface or subsurface of the site, and will be managed off-site, unless prior approval is obtained from NYSDEC.

Discharge of water generated during large-scale construction activities to surface waters (i.e. a local pond, stream or river) will be performed under a SPDES permit.

E-9 COVER SYSTEM RESTORATION

After the completion of soil removal and any other invasive activities the cover system will be restored in a manner that complies with the decision document. The existing cover system is comprised of varying thicknesses of soil cover over a demarcation layer;

low permeability geosynthetic clay liner and soil cover; concrete floor slabs of existing buildings; asphalt surfaces; active railroad grade inclusive of tracks and associated ballast; and improvements on the Site including those that support ongoing operations of the adjacent property owner. The demarcation layer, consisting of filter fabric (Mirafi 140N or approved substitute) or orange 4 oz/sy geotextile or equivalent material, etc. will be replaced to provide a visual reference to the top of the remaining contamination zone, the zone that requires adherence to special conditions for disturbance of remaining contaminated soils defined in this SMP. If the type of cover system changes from that which exists prior to the excavation (i.e., a soil cover is replaced by asphalt), as shown on Figure 5, this will constitute a modification of the cover element of the remedy and the upper surface of the remaining contamination. A figure showing the modified surface will be included in the subsequent Periodic Review Report and in an updated SMP. The alteration, restoration and modification of engineering controls must conform with Article 145 Section 7209 of the Education Law regarding the application professional seals and alterations.

E-10 BACKFILL FROM OFF-SITE SOURCES

All materials proposed for import onto the site will be approved by the qualified environmental professional, as defined in 6 NYCRR Part 375, and will be in compliance with provisions in this SMP prior to receipt at the site. A Request to Import/Reuse Fill or Soil form, which can be found at http://www.dec.ny.gov/regulations/67386.html, will be prepared and submitted to the NYSDEC project manager allowing a minimum of 5 business days for review. A copy of the form is presented in Appendix F.

Material from industrial sites, spill sites, other environmental remediation sites, or potentially contaminated sites will not be imported to the site.

All imported soils will meet the backfill and cover soil quality standards established in 6 NYCRR 375-6.7(d) and DER-10 Appendix 5 for commercial use. Based on an evaluation of the land use, protection of groundwater and protection of ecological resources

criteria, the resulting soil quality standards are listed in Table 2, below, and represent the lower of the protection of groundwater or commercial SCOs. Soils that meet 'general' fill requirements under 6 NYCRR Part 360.13, but do not meet backfill or cover soil objectives for this site, will not be imported onto the site without prior approval by NYSDEC project manager. Soil material will be sampled for the full suite of analytical parameters, including PFAS and 1, 4-dioxane. Solid waste will not be imported onto the site. Sampling frequency will be in accordance with DER-10 Table 5.4(e)10.

Table 2: Soil Quality Standards

Analyte/Constituent	Imported Fill Quality Standard (in mg/kg)
Metals	
Arsenic	16
Barium	400
Beryllium	47
Cadmium	7.5
Chromium (III)	1500
Chromium (VI)	19
Copper	270
Lead	450
Manganese	2000
Mercury	0.73
Nickel	130
Silver	8.3
Zinc	2480
Cyanide	27
Selenium	4
PCBs	
Polychlorinated biphenyls	1
Pesticides/Herbicides	
4,4'-DDD	14
4,4'-DDE	17
4,4'-DDT	47
Aldrin	0.19
Dieldrin	0.1
Endosulfan I	102
Endosulfan II	102
Endosulfan sulfate	200
Endrin	0.06

Table 2: Soil Quality Standards

Analyte/Constituent	Imported Fill Quality Standard (in mg/kg)
Heptachlor	0.38
Heptachlor epoxide	0.02
Methoxychlor	900
alpha-BHC	0.02
beta-BHC	0.09
cis-Chlordane	2.9
delta-BHC	0.25
gamma-BHC (Lindane)	0.1
gamma-Chlordane	14
Dibenzofuran	6.2
Parathion	1.2
2,4,5-Trichlorophenoxy-acetic acid	1.9
2,4-Dichlorophenoxyacetic acid	0.5
Silvex	3.8
PFAS	
Perfluorooctanesulfonic Acid (PFOS)	1
Perfluorooctanoic acid	0.8
Semivolatile Organic Compounds	
2-Methylnaphthalene	36.4
Acenaphthene	98
Acenaphthylene	107
Anthracene	500
Benzo[a]anthracene	1
Benzo[a]pyrene	1
Benzo[b]fluoranthene	1.7
Benzo[ghi]perylene	500
Benzo[k]fluoranthene	1.7
Chrysene	1
Dibenz[a,h]anthracene	0.56
Fluoranthene	500
Fluorene	386
Indeno[1,2,3-cd]pyrene	5.6
Naphthalene	12
Phenanthrene	500
Pyrene	500
2,4-Dinitrophenol	0.2
3-Methylphenol	0.33
Butyl benzyl phthalate	122

Table 2: Soil Quality Standards

Analyte/Constituent	Imported Fill Quality Standard (in mg/kg)
2,4,5-Trichlorophenol	0.1
2,4-Dichlorophenol	0.4
2,6-Dinitrotoluene	1
2-Methylphenol	0.33
2-Nitroaniline	0.4
2-Nitrophenol	0.3
3-Nitroaniline	0.5
4-Chloroaniline	0.22
4-Methylphenol	0.33
4-Nitrophenol	0.1
Aniline	0.33
Benzoic acid	2.7
bis(2-Ethylhexyl)phthalate	435
Chloroethane	1.9
Di-n-butyl phthalate	8.1
Di-n-octylphthalate	120
Diethyl phthalate	7.1
Dimethyl phthalate	27
Hexachlorobenzene	1.4
Isophorone	4.4
Nitrobenzene	0.17
Pentachlorophenol	0.8
Phenol	0.33
Volatile Organic Compounds	
1,1,1-Trichloroethane	0.68
1,1,2,2-Tetrachloroethane	0.6
1,1,2-Trichloro-1,2,2-trifluoroethane	6
1,1-Dichloroethane	0.27
1,1-Dichloroethene	0.33
1,2,3-Trichloropropane	0.34
1,2,4-Trichlorobenzene	3.4
1,2,4-Trimethylbenzene	3.6
1,2-Dichlorobenzene	1.1
1,2-Dichloroethane	0.02
1,3,5-Trimethylbenzene	8.4
1,3-Dichlorobenzene	2.4
1,3-Dichloropropane	0.3
1,4-Dichlorobenzene	1.8
2-Butanone	0.12

Table 2: Soil Quality Standards

Analyte/Constituent	Imported Fill Quality Standard (in mg/kg)
4-Methyl-2-pentanone	1
Isopropylbenzene	2.3
Methyl tert-butyl ether	0.93
Methylene Chloride	0.05
Tetrachloroethene	1.3
Xylenes	1.6
cis-1,2-Dichloroethene	0.25
n-Butylbenzene	12
n-Propylbenzene	3.9
sec-Butylbenzene	11
tert-Butylbenzene	5.9
trans-1,2-Dichloroethene	0.19
1,4-Dioxane	0.1
2,6-Dinitrotoluene	0.17
Acetone	0.05
Benzene	0.06
Carbon Tetrachloride	0.76
Carbon disulfide	2.7
Chlorobenzene	1.1
Chloroform	0.37
Ethylbenzene	1
p-Cymene	10
Toluene	0.7
Trichloroethylene	0.47
Vinyl Chloride	0.02

Source: NYSDEC DER-10 Appendix 5 Commercial (or Industrial Use) which was derived from the soil cleanup objectives in 6 NYCRR 375 Table 375-6.8(b) (NYSDEC 2006) and includes Supplemental soil cleanup objectives (SSCOs) from the Commissioner Policy on Soil Cleanup Guidance (NYSDEC 2010).

Materials brought to the Site for filling and grading purposes above or below the demarcation layer or other impervious surface shall be from an acceptable borrow source, not adversely impacted by residual industrial and/or other potential sources of chemical contaminants.

Provided the imported material meets the criteria in the paragraph above, chemical testing is not required for the following materials brought to the Site.

1. Gravel, rock or stone that contains less than 10% by weight material which would pass through a size 80 sieve and consisting of virgin material from a permitted mine or quarry.
2. Any prepackaged commercially available soil, rock, landscaping or other similar prepackaged material.
3. Any other materials that are specifically reviewed and approved by NYSDEC.

Backfill stockpiles placed on asphalt or concrete will be covered with poly sheeting, or equivalent, at the end of each workday. Backfill stockpiles in vegetated areas will be minimized to the extent possible, however, if required, will be placed on and covered with poly sheeting.

Trucks entering the site with imported soils will be securely covered with tight fitting covers. Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases.

E-11 STORMWATER POLLUTION PREVENTION

As described in the SMP (Section 3.3.1), stormwater on the property is managed by a series of catch basins and interconnected underground conveyance piping leading to an offsite permitted outfall (SPDES Permit #NY0246506 administered by the NYSDEC Division of Water) or to the municipal storm sewer system. These stormwater conveyances and associated regulatory permits and agency approvals to use these conveyances shall be maintained unless/until replaced by other systems as approved by the QEP and the appropriate regulatory authorities. Any activity regarding the SPDES permitted facilities shall be coordinated and completed in accordance with the regulatory requirements administered by the NYSDEC Division of Water; and any activity regarding use of the municipal system shall be coordinated with the City of Corning as applicable.

Any future construction activity at the Site that will involve greater than 1 acre of land disturbance will be conducted under a NYSDEC Division of Water Stormwater Pollution Prevention Plan (SWPPP). A Site/project-specific SWPPP shall be prepared by the contractor prior to construction activities and shall satisfy the requirements of the

NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity, Permit No. GP-0-10-001. The SWPPP should include, but is not limited to, the following information:

- Site Description and Contact Information
- Potential Pollutant Sources
- Stormwater Control Measures
- Monitoring Schedules and Procedures
- Inspections
- Certifications.

Stormwater controls shall at minimum protect nearby streets, nearby waterways, and catch basins and manholes that discharge towards the City of Corning or towards the Corning Wastewater Treatment Plant. As a minimum, the following shall be implemented:

The area disturbed at the Site (i.e., without an appropriate Site cover) shall be limited to the extent practical at any one time. The perimeter of the disturbed area shall be bounded by silt fence, stone or gravel berms, hay bales, or other suitable measures to prevent offsite migration of sediment-laden stormwater, as necessary.

Barriers and hay bale checks will be installed, as necessary, and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by the NYSDEC. All necessary repairs shall be made immediately.

Accumulated sediments will be removed as required to keep the barrier and hay bale check functional.

All undercutting or erosion of the silt fence toe anchor shall be repaired immediately with appropriate backfill materials.

Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

Erosion and sediment control measures identified in the SMP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.

Silt fencing or hay bales will be installed around the entire perimeter of the construction area, as necessary.

E-12 EXCAVATION CONTINGENCY PLAN

If underground tanks or other previously unidentified contaminant sources are found during post-remedial subsurface excavations or development related construction, excavation activities will be suspended until sufficient equipment is mobilized to address the condition. The NYSDEC project manager will be promptly notified of the discovery.

Sampling will be performed on product, sediment and surrounding soils, etc. as necessary to determine the nature of the material and proper disposal method. Chemical analysis will be performed for a full list of analytes [TAL metals, TCL volatiles and semi-volatiles (including 1,4-dioxane), TCL pesticides and PCBs, and PFAS], unless the site history and previous sampling results provide sufficient justification to limit the list of analytes. In this case, a reduced list of analytes will be proposed to the NYSDEC project manager for approval prior to sampling. Any tanks will be closed as per NYSDEC regulations and guidance.

Identification of unknown or unexpected contaminated media identified by screening during invasive site work will be promptly communicated by phone within two hours to NYSDEC's Project Manager. Reportable quantities of petroleum product will also

be reported to the NYSDEC spills hotline. These findings will be also included in the Periodic Review Report.

Contingency planning shall also be implemented in recognition that petroleum-related aesthetic conditions may be encountered in the subsurface on the property in areas that are described in the SMP. These areas include the locations where petroleum fuel products were formerly stored and dispensed and which may contain weathered residual petroleum substances in the subsurface. While these residuals are chemically degraded and mostly lack detectable levels of contaminants of concern, they remain present and observable by soil staining and petroleum odors. These conditions are further described in Section 2.5 of the SMP. To the extent that future Site development within or proximate to these areas may involve construction of occupied structures, a Site-specific assessment will be necessary to 1) initially determine the extent to which petroleum-related impacts may exist within the work area; 2) plan for the removal and offsite disposal of impacted media as appropriate with the building construction footprint in accordance with the criteria described in Section E-2 above; and 3) assess the potential that unacceptable conditions could exist after soil/fill removal.

E-13 COMMUNITY AIR MONITORING PLAN

The Site-specific CAMP is provided in Appendix H of the SMP and describes:

- Details of the perimeter air monitoring program;
- Action levels to be used;
- Air monitoring methods;
- Analytes measured and instrumentation to be used;

A figure showing the location of air sampling stations based on generally prevailing wind conditions will be provided prior to future field events. These locations will be adjusted on a daily or more frequent basis based on actual wind directions to provide an upwind and a downwind monitoring station.

Exceedances of action levels listed in the CAMP will be reported to NYSDEC and NYSDOH Project Managers.

E-13A: Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures

When work areas are within 20 feet of potentially exposed populations or occupied structures, the continuous monitoring locations for VOCs and particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor/dust barriers, temporary negative-pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and to control dust and odors. Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

- If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 part-per-million, monitoring should occur within the occupied structure(s). Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient sensitivity may be necessary for comparing the exposure point concentrations with appropriate pre-determined response levels (response actions should also be pre-determined). Background readings in the occupied spaces must be taken prior to commencement of the planned work. Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.

- If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 micrograms per cubic meter, work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 micrograms per cubic meter or less at the monitoring point.

- Depending upon the nature of contamination and remedial activities, other parameters (e.g., explosivity, oxygen, hydrogen sulfide, carbon monoxide) may also need to be monitored. Response levels and actions should be pre-determined, as necessary, for each site.

E-14 ODOR CONTROL PLAN

This odor control plan is capable of controlling emissions of nuisance odors off-site. If nuisance odors are identified at the site boundary, or if odor complaints are received, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of any other complaints about the project. Implementation of all odor controls, including the halt of work, is the responsibility of the remedial party's Remediation Engineer, and any measures that are implemented will be discussed in the Periodic Review Report.

All necessary means will be employed to prevent on- and off-site nuisances. At a minimum, these measures will include: (a) limiting the area of open excavations and size of soil stockpiles; (b) shrouding open excavations with tarps and other covers; and (c) using foams to cover exposed odorous soils. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-site disposal; (e) use of chemical odorants in spray or misting systems; and, (f) use of staff to monitor odors in surrounding neighborhoods .

If nuisance odors develop during intrusive work that cannot be corrected, or where the control of nuisance odors cannot otherwise be achieved due to on-site conditions or close proximity to sensitive receptors, odor control will be achieved by sheltering the excavation and handling areas in a temporary containment structure equipped with appropriate air venting/filtering systems.

E-15 DUST CONTROL PLAN

Particulate monitoring must be conducted according to the Community Air Monitoring Plan (CAMP) provided in Appendix H of the SMP. If particulate levels at the site exceed the thresholds listed in the CAMP or if airborne dust is observed on the site or leaving the site, the dust suppression techniques listed below will be employed. The remedial party will also take measures listed below to prevent dust production on the site.

A dust suppression plan that addresses dust management during invasive on-site work will include, at a minimum, the items listed below:

- Dust suppression will be achieved using a dedicated on-site water truck for road wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas including excavations and stockpiles.
- Clearing and grubbing of larger sites will be done in stages to limit the area of exposed, unvegetated soils vulnerable to dust production.
- Gravel will be used on roadways to provide a clean and dust-free road surface.
- On-site roads will be limited in total area to minimize the area required for water truck sprinkling.

E-16 OTHER NUISANCES

A plan will be developed and utilized by the contractor for all remedial work to ensure compliance with local noise control ordinances.

ATTACHMENT 1
CONCRETE SAMPLING PLAN

Concrete Sampling Plan
Tioga Avenue Property, BCP Site # C851031 (the "Site")
Corning Property Management Corporation & Corning Incorporated
28 December 2011 (Revision 1)

Introduction:

This plan has been developed to guide the sampling of in-place concrete at the subject Site that remains from the former Fall Brook manufacturing facilities for the purposes of qualifying the material for on-site recycle to the extent these materials are removed in accordance with the Site Management Plan (SMP) for this Site. Specifically, this plan will be used to determine through sampling and laboratory analysis whether concrete is appropriate for on-site crushing (or breaking into usable sizes) and placement, or are removed and disposed off-site in accordance with the SMP and associated Excavation Work Plan (EWP). This plan shall apply to the specifically identified areas of the Site where lead containing materials were used during past operations on the Site or managed during demolition of the former manufacturing buildings as are shown on attached Figure 1. Sampling of concrete slabs within these specific areas of the Site will be required as described herein as a condition prior to any on-site reuse of concrete.

The process for characterization of the existing in-place concrete slabs within the areas shown on Figure 1 will be based on the sample collection procedures identified below and analysis by EPA Method 1312 (USEPA 1994b), Synthetic Precipitation Leaching Procedure (SPLP), to simulate acid rain leaching of lead within the concrete matrix . Results of the SPLP testing will be evaluated based on the following concrete handling protocol:

1. SPLP lead less than 50 ug/l – No Further Action, acceptable for Site reuse of in-place concrete above or under any type of cover system.
2. SPLP lead between 50 ug/l and 500 ug/l – No Further Action, acceptable for Site reuse of in-place concrete under any type of cover system. The upper limit of 500 ug/l is based on the minimum default dilution and attenuation factor (DAF) of 10 for mobility of an SPLP extract as cited in regulatory agency protocols [Regulations of Connecticut State Agencies, Department of Environmental Protection, 22a-133k-2(c)(2)(C)].
3. SPLP lead above 500 ug/l – Site reuse of in-place concrete under "low permeability" cover system as delineated in the SMP or characterized for off-site disposal, unless a Site-specific DAF is developed and justifies a higher upper SPLP limit as reviewed and approved by the Department.

Sampling Locations:

As shown on Figure 1, there are four discrete areas of concrete slabs on the Site referred to as "Concrete Area 1 – 4" that will require sampling and analysis of lead by SPLP prior to on-site reuse of concrete. Concrete outside of these areas will not require sampling for reuse on-site but will require sampling and analysis if off-site disposal of concrete occurs and conducted as necessary based on the waste profiling requirements of the receiving facility. Sampling required for on-site reuse will be performed following the frequency identified in NYSDEC DER-10 involving 2 composite samples for the initial 1000 cubic yards of concrete and 1 additional composite sample for each additional 1000 cubic yards of concrete. Each composite sample will be comprised of 3 discrete samples. Sampling frequencies are based on estimated in-place volumes of the concrete floor slabs. Sampling within each of the concrete reuse areas shown on Figure 1 will be based on the following criteria:

- Area 1 – 1,425 cubic yards - 3 composite samples
- Area 2 - 266 cubic yards - 2 composite samples
- Area 3 – 780 cubic yards - 2 composite samples
- Area 4 – No sampling warranted. This area encompasses the existing operating World Kitchen LLC Batching and Mix Building that will remain in operation. Future actions regarding this facility will be subject to the Site SMP.

Sampling Procedure:

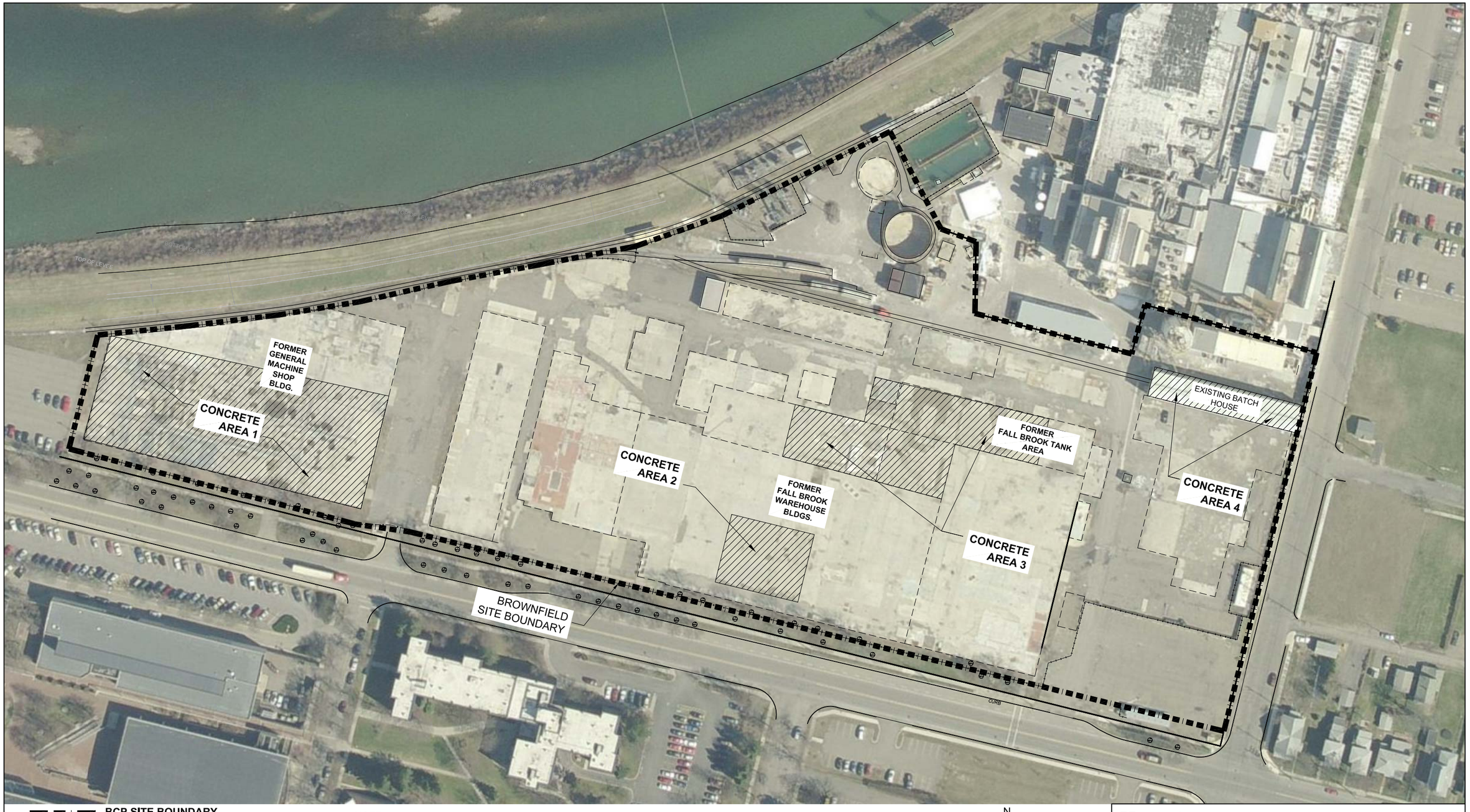
1. Notification will be made to the NYSDEC Project Manager prior to the sampling event and according to approved SMP requirements as applicable.
2. Composite sampling locations will be uniformly distributed within each of the concrete reuse areas shown on Figure 1. Each composite sample will be comprised of 3 discrete proximally located samples.
3. Concrete samples will be collected from the marked locations by using a hand held drill to penetrate the concrete to a minimum depth of 6 inches. The drill cuttings will be contained on plastic sheets placed over the drill hole location before drilling and, following drilling, the cuttings from each discrete sample point will be transferred to clean sampling containers for transfer to the analytical laboratory under appropriate chain-of-custody. The samples will be identified for compositing by the laboratory and analyzed for lead by the SPLP for comparison to the management protocol specified above.

4. Sampling will be conducted using hand tools including a drill that will be cleaned between sample locations by an Alconox wash and clean water rinse. New plastic sheets will be used at each of the concrete slab drilling locations. Samples collected will be labeled and submitted for analytical testing.
5. Samples will be analyzed by Paradigm Environmental Services, Inc. of Rochester, New York.

Results and Reporting:

The results of concrete slab sampling will be described in the appropriate Periodic Review Reports in accordance with the Site SMP.

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BCP SITE BOUNDARY

APPROXIMATE LOCATION OF FORMER BUILDING

AREA REQUIRING CONCRETE SAMPLING PRIOR TO ON-SITE REUSE

NOTE:

1) REFER TO CONCRETE SAMPLING PLAN IN THE SITE SMP FOR DISCUSSION OF INFORMATION PRESENTED ON THIS FIGURE.

2) BASE MAPPING PROVIDED BY SURVEY MAP ENTITLED "CORNING PROPERTY MANAGEMENT CORP, (FALLBROOK PLANT), CITY OF CORNING, STUEBEN COUNTY, NEW YORK", DATED NOVEMBER 2010, JOB NO. 13989.05 MAP PREPARED BY WEILER ASSOCIATES LICENSED LAND SURVEYORS, LOCATED AT 206 GARDNER ROAD, HORSEHEADS, NY 14845.

2) AERIAL PHOTOGRAPHY PROVIDED BY GOOGLE EARTH.

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0 60 120 180 240
SCALE IN FEET

HALEY & ALDRICH

CORNING INCORPORATED
CORNING PROPERTY MANAGEMENT CORPORATION
TIOGA AVENUE PROPERTY BCP SITE #C851031
SITE MANAGEMENT PLAN
CORNING, NEW YORK

CONCRETE RECYCLE SAMPLING PLAN

SCALE: AS SHOWN
DECEMBER 2011 REV 1

FIGURE 1

G:\PROJECTS\33123\017\SITE MANAGEMENT PLAN - NOVEMBER 2011\33123-017_CONCRETE RECYLE SAMPLING PLAN.DWG

APPENDIX F
SITE MANAGEMENT FORMS

integral consulting inc.

SMP—Annual Site Inspection

Project Number:	**Date:**
Project Name: Tioga Ave. BCP Site 851031	**Field Activity:** Routine Annual Inspection
Location: Corning, NY	**Weather:**
Inspector name, company, and title:	
Other Noteworthy Conditions:	
1. Site Cover – Soil, Concrete, Asphalt, Structures	
A. Visual inspection and integrity observations:	
B. Maintenance, repairs, or changes to site cover completed since previous inspection(s):	
C. Deficiencies noted, if any:	
D. Recommended Actions:	

2. Other site observations (include and incidents, repairs, maintenance, or other observations affecting site management plan and reporting):
3. Have any modifications to the system occurred since the last reporting event?
4. Site/owner personnel contacted:

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e) and 6NYCRR Part 360.13. Use of this form is not a substitute for reading the applicable regulations and Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Choose an item

Have Ecological Resources been identified? Choose an item

Is this soil originating from the site? Choose an item

How many cubic yards of soil will be imported/reused? Choose an item

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? Choose an item

Does it contain less than 10%, by weight, material that passes a size 100 sieve? Choose an item

Is this virgin material from a permitted mine or quarry? Choose an item

Is this material recycled concrete or brick from a DEC registered processing facility? Choose an item

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Location where fill was obtained:

Identification of any state or local approvals as a fill source:

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

The information provided on this form is accurate and complete.

Signature	Date

Print Name

Firm

Revised April 2023

APPENDIX G

HEALTH AND SAFETY PLAN

APPENDIX G
HEALTH AND SAFETY PLAN

Site Management Plan
Tioga Avenue Site, Brownfield Cleanup Program

Prepared for
Corning Incorporated
Corning, New York

Prepared by

31 West 34th Street
Suite 7196
New York, NY 10001

July 25, 2024

Affiliated with Integral Consulting Inc.

CONTENTS

LIST OF ATTACHMENTS ..... **v**
ACRONYMS AND ABBREVIATIONS ..... **vi**
HEALTH AND SAFETY PLAN APPROVAL ..... **vii**
HEALTH AND SAFETY PLAN ACKNOWLEDGMENT ..... **viii**

1 INTRODUCTION **1-1**

1.1 OBJECTIVES AND ACTIVITIES 1-1
1.1.1 Task 1: Removal/Maintenance of Site Cover, Excavation, and Demolition Monitoring 1-2
1.1.2 Task 2: Soil Sampling 1-2
1.2 ORGANIZATION 1-2
1.3 ROLES AND RESPONSIBILITIES 1-3
1.3.1 Site Safety Officer 1-3
1.3.2 Project Manager 1-3
1.3.3 Corporate Health and Safety Manager 1-4
1.3.4 Field Personnel 1-4
1.4 SITE DESCRIPTION 1-4
1.5 BACKGROUND AND HISTORICAL SITE USAGE 1-5
1.6 PROJECT SCOPE 1-5
1.7 PROJECT MANAGER AND OTHER KEY CONTACTS 1-5

2 CHEMICAL HAZARD EVALUATION **2-1**

3 PHYSICAL HAZARD EVALUATION AND GUIDELINES **3-1**

3.1 GENERAL PHYSICAL HAZARDS 3-1

4 PERSONAL PROTECTIVE EQUIPMENT AND SAFETY EQUIPMENT **4-1**

4.1 PERSONAL PROTECTIVE EQUIPMENT 4-1
4.2 SAFETY EQUIPMENT 4-2

5 AIR MONITORING **5-1**

5.1 INTRODUCTION 5-1
5.2 PHOTOIONIZATION DETECTORS 5-2
5.3 DUST METERS 5-2
5.4 ACTION LEVELS 5-3

6 HEALTH AND SAFETY TRAINING AND MEDICAL MONITORING **6-1**

6.1 HEALTH AND SAFETY TRAINING AND MEDICAL MONITORING 6-1

6.1.1 Training Requirements 6-1
6.1.2 Site Safety Meetings 6-1
6.2 MEDICAL MONITORING 6-2
7 EMERGENCY RESPONSE PLAN 7-1
7.1 EMERGENCY RECOGNITION AND PREVENTION 7-1
7.2 EMERGENCY RESPONSE AND NOTIFICATION 7-1
7.3 EMERGENCY DECONTAMINATION PROCEDURES 7-2
7.4 SITE COMMUNICATIONS 7-3
7.5 BUDDY SYSTEM 7-3
8 WORK ZONES 8-1
8.1 EXCAVATION AND CONSTRUCTION OVERSIGHT 8-1
9 EQUIPMENT DECONTAMINATION AND PERSONAL HYGIENE 9-1
9.1 EQUIPMENT DECONTAMINATION PROCEDURES 9-1
9.2 PERSONAL HYGIENE 9-2
10 VEHICLE SAFETY, SPILL CONTAINMENT, AND SHIPPING INSTRUCTIONS 10-1
10.1 VEHICLE SAFETY 10-1
10.2 SPILL CONTAINMENT 10-2
10.3 SHIPPING INFORMATION 10-2
11 TASK-SPECIFIC SAFETY PROCEDURE SUMMARY 11-1
11.1 GENERAL PROCEDURES 11-1
11.1.1 Contact with the Public 11-1
11.1.2 Weather Extremes 11-1
11.2 SAMPLING 11-1
11.2.1 Subsurface Activities 11-1
11.2.2 Observation and General Site Activities 11-2

LIST OF ATTACHMENTS

Attachment 1. Site Map and Hospital Route
Site Map and Hospital Route

Attachment 2. Regulatory Notices
Federal OSHA Right to Know Posters

Attachment 3. Safety Procedures
Heat and Cold Stress Safety Fact Sheet

Attachment 4. Safety Data Sheets
Alconox
HCL
Isobutylene
Liquinox
Methanol
Nitric Acid

Attachment 5. Employee Exposure/Injury Incident Report

Attachment 6. Near-Miss Incident Report

Attachment 7. Field Safety Tailgate Briefing Form

ACRONYMS AND ABBREVIATIONS

CAMP	Community Air Monitoring Plan
CFR	Code of Federal Regulations
CHSM	Corporate Health and Safety Manager
CPR	cardiopulmonary resuscitation
HASP	Health and Safety Plan
IDLH	immediately dangerous to life and health
Integral	Integral Engineering, P.C.
OSHA	Occupational Safety and Health Administration
PEL	permissible exposure limit
PID	photoionization detector
PPE	personal protective equipment
Site	Tioga Avenue Site
SMP	Site Management Plan
SSO	site safety officer
STEL	short-term exposure limit
VOC	volatile organic compound

HEALTH AND SAFETY PLAN APPROVAL

This health and safety plan has been reviewed and approved for employees participating in activities under the Site Management Plan (SMP) in effect at the Tioga Avenue Site, located at 152–182 East Tioga Avenue within the City of Corning, New York (Site).

Project Manager	Date
Corporate Health and Safety Manager	Date

HEALTH AND SAFETY PLAN ACKNOWLEDGMENT

In the absence of an appropriate subcontractor or consultant health and safety plan, and with the written approval of Integral Engineering, P.C. (Integral) corporate health and safety manager, the subcontractor or consultant may utilize the Integral health and safety plan (HASP), provided there is written concurrence from the subcontractor or consultant that they will directly administer the plan for their employees and assume all risks associated with any possible errors or omissions in the plan. The Integral HASP is a minimum standard for the Site and will be strictly enforced for all Integral personnel, or its subcontractors or consultants where applicable.

I have reviewed the HASP prepared by Integral, dated April 29, 2024, for the Tioga Avenue Site management plan. I understand the purpose of the plan, and I consent to adhere to its policies, procedures, and guidelines while an employee of Integral, or its subcontractors or consultants. I have had an opportunity to ask questions regarding this plan, which have been answered satisfactorily by Integral.

Employee signature	Company	Date
Employee signature	Company	Date
Employee signature	Company	Date
Employee signature	Company	Date
Employee signature	Company	Date
Employee signature	Company	Date
Employee signature	Company	Date

1 INTRODUCTION

It is the policy of Integral Engineering, P.C. (Integral) to provide a safe and healthful work environment that is compliant with applicable regulations. No aspect of the work is more important than protecting the health and safety of all workers.

This health and safety plan (HASP) provides general health and safety provisions to protect workers from potential hazards during field activities at the Tioga Avenue Site located in the City of Corning, New York (Site). This HASP has been prepared in accordance with federal Occupational Safety and Health Administration (OSHA) safety regulations (29 Code of Federal Regulations [CFR] 1910 and 29 CFR 1926).

Attachments to the HASP provide a Site-specific map and specific routes to the hospital from the Site (Attachment 1), regulatory notices (Attachment 2), safety procedures (Attachment 3), safety data sheets (Attachment 4), an employee exposure/injury incident report (Attachment 5), a near-miss incident report (Attachment 6), and a field safety tailgate briefing form (Attachment 7).

This HASP has been prepared to identify potential Site hazards to the extent possible based on information available to Integral. Integral cannot guarantee the health or safety of any person entering the Site. Strict adherence to the health and safety guidelines set forth herein will reduce the potential for injury and illness at the Site. The health and safety guidelines in this plan were prepared specifically for the Site and should not be used elsewhere without prior evaluation by trained health and safety personnel.

A copy of this HASP must be in the custody of the field crew during field activities. All individuals performing fieldwork must read, understand, and comply with this plan before undertaking field activities. Once the information has been read and understood, the individual must sign the Health and Safety Plan Acknowledgment form provided as part of this plan. The signed form will become part of the project file.

This plan may be modified at any time based on the judgment of the Integral site safety officer (SSO) in consultation with the project manager and Integral corporate health and safety manager (CHSM) or designee. Any modification will be presented to the Site team during a safety briefing and will be recorded in the field logbook.

1.1 OBJECTIVES AND ACTIVITIES

Field activities referenced in this HASP are associated with periodic Site inspections, and oversight of construction activities and soil sampling at the Site: 152–182 East Tioga Avenue within the City of Corning, New York. The Site is located along the north side of East Tioga

Avenue and is bounded to the north by railroad tracks and a flood control berm and beyond the Chemung River, to the west by Chemung Street, and to the east by Steuben Street. This HASP outlines the health and safety considerations for field activities at the Site.

The Tioga Avenue Site Management Plan (SMP) is the master document, which describes the Site and planned activities. This HASP is incorporated into the SMP as Appendix G.

1.1.1 Task 1: Removal/Maintenance of Site Cover, Excavation, and Demolition Monitoring

Integral personnel will monitor, observe, and document the following:

- Site cover system removal (i.e. concrete, gravel, soil, building component)
- Site grading
- Placement of demarcation layer and clean fill (soil cover)
- Utility work in shallow and deep excavations
- Potential excavation, stockpiling, and/or disposal of contaminated materials and other unknown materials.

1.1.2 Task 2: Soil Sampling

As necessary, Integral personnel will collect soil samples of the following:

- Stockpiled materials to characterize for soil cover use or offsite disposal
- Material coming onto the Site for use as clean fill (soil cover).

During field activities, equipment and heavy machinery may be used. Heavy machinery that will potentially be on location at any given time includes haul trucks, excavators, backhoes, grading equipment, concrete trucks, and other similar machinery.

Safety considerations when working around heavy equipment and machinery are presented in subsequent sections.

1.2 ORGANIZATION

This HASP covers a broad range of field activities as outlined in the preceding section. Chemical and physical hazard evaluations are presented in Sections 2 and 3, respectively. Specific health and safety guidelines associated with each task, including a brief description of the work, are discussed in Section 11 (Task-Specific Safety Procedure Summary).

1.3 ROLES AND RESPONSIBILITIES

All Integral personnel, subcontractors, or consultants and visitors on the Site must comply with the requirements of this HASP. The specific responsibilities and authority of management, safety and health, and other personnel are detailed in the following paragraphs.

1.3.1 Site Safety Officer

The SSO has full responsibility and authority to implement this HASP and to verify compliance. The SSO reports to the project manager and is on the Site or readily accessible to the Site during all work operations. The SSO is responsible for assessing Site conditions and directing and controlling emergency response activities. The specific responsibilities of the SSO include:

- Managing the safety and health functions on the Site
- Serving as the point of contact for safety and health concerns
- Assessing Site conditions for unsafe acts and conditions and ensuring corrective action
- Ensuring that all Integral employees and subcontractors understand and follow the HASP
- Ensuring that daily work schedules and tasks are reasonable for the required levels of effort and weather conditions
- Confirming local emergency response phone numbers and locations
- Conducting and documenting the initial and daily or periodic health and safety briefings
- Evaluating and modifying the level of protective apparel and safety equipment, based on Site conditions
- Ensuring that the field team observes all necessary decontamination procedures.

If the SSO determines that Site conditions are unsafe, he or she has the authority to suspend field operations until the problem is corrected. The SSO can modify HASP procedures in the field. Any changes must be documented in the field logbook, and field staff must be immediately informed of the change. The project manager and Integral's CHSM must be notified by phone or email within 24 hours of any major changes to the HASP.

1.3.2 Project Manager

The project manager has overall responsibility to ensure that personnel working at the Site are safe. The specific responsibilities of the project manager include:

- Ensuring that the HASP is developed prior to the fieldwork or Site visit

- Reviewing and approving the HASP prior to the fieldwork or Site visit
- Ensuring employee understanding of and compliance with the HASP.

1.3.3 Corporate Health and Safety Manager

The CHSM provides guidance to the project manager and SSO on HASP preparation and reviews and approves the HASP. The CHSM also serves as an arbitrator if there is a conflict between the project manager, SSO, and field personnel. In addition, the CHSM[1] conducts periodic unannounced audits of Integral field operations to ensure compliance with the HASP.

1.3.4 Field Personnel

All Integral personnel and subcontractors on this Site are responsible for reading and complying with this HASP, using the proper personal protective equipment (PPE), reporting unsafe acts and conditions, and following the work and safety and health instructions of the project manager and SSO. All Integral personnel, subcontractors, and consultants can and are encouraged to suspend field operations if they feel conditions have become unsafe.

1.4 SITE DESCRIPTION

The site is located 152–182 East Tioga Avenue in the City of Corning, Steuben County, New York. The site is an approximately 14.18-acre area and is adjacent to the Chemung River approximately 160 ft to the north and is contiguous (northeastern property boundary) with property currently owned by URS-2 (Corning) LLC, which is not affiliated with Corning Incorporated. The northern Site boundary is formed by railroad, flood control levee easements, and the URS-2 (Corning) LLC property, which isolate the Site from the Chemung River. The Site is bounded by Tioga Avenue to the south, Steuben Street to the east, and Chemung Street to the west. A portion of the northern area of the Site is currently occupied and operated by the adjacent property owner in areas adjacent to the plant they operate including the batch house used for the storage and "batching" of the solid raw materials used to manufacture glass products, the associated rail spur for delivery of batch materials, housed and unhoused materials storage areas (mostly for raw material/cullet storage), access ways to the those facilities from adjacent streets, and other supporting infrastructure such as electrical substations.

Remedial investigations conducted at the property revealed contaminants of concern at the Site consisting primarily of arsenic, lead, and residual weathered petroleum constituents in the historical fill. Contaminants of concern were not identified in the native soils or groundwater.

[1] The audit task may be delegated to an office health and safety representative by the CHSM.

A map of the Tioga Avenue Site is provided in Attachment 1 to this HASP.

1.5 BACKGROUND AND HISTORICAL SITE USAGE

The site was formerly occupied by the Corning Incorporated Fallbrook and related facilities for manufacture of glass products and related operations since the 1920s. The site was previously occupied by a railroad company and used for rail maintenance, railcar manufacturing, and related activities. In total, there is at least a 150-year history of industrial use where various metal bearing substances, petroleum products, and other materials were used and may be present on the property. The main text of the SMP to which this HASP is appended contains additional detail on past site use and a summary of past investigations.

1.6 PROJECT SCOPE

The SMP for this Site describes site conditions, remaining contamination, and actions necessary for the indefinite maintenance of engineering and institutional site controls under an Environmental Easement for the site. This HASP is to be implemented whenever work is planned at the Site where protective ground covers may be removed such that underlying fill soil becomes exposed or when any monitoring activity is performed on the Site where media may be encountered that could contain remaining site contamination. Site work could consist of demolition or removal of existing foundations, utilities, and miscellaneous above- and belowground structures; site grading and drainage; utility installation; installation of a cover system;; removal of potentially contaminated media if encountered; or implementation of any future environmental monitoring as described in the SMP.

1.7 PROJECT MANAGER AND OTHER KEY CONTACTS

	Name (Affiliation)	Work Telephone	Cell Phone
Project Manager	Jeff Marsh (Integral)	(212) 440-6705	(315) 651-2020
Site Safety Officer	TBD (Integral)		
Corporate Health and Safety Manager	Damon Williams (Integral)	(225) 346-9535	(504) 300-9347
Facility Contact	TBD		
Client Contact	TBD		

2 CHEMICAL HAZARD EVALUATION

The following table lists the properties of chemicals of concern, sample preservatives, and decontamination chemicals that may be used at the Site (i.e., hydrochloric acid, isobutylene methyl alcohol/methanol, Alconox®, Liquinox®). The table also lists the chemical properties and OSHA permissible exposure limit (PEL), short-term exposure limit (STEL), and immediately dangerous to life and health (IDLH) level. Some chemicals used during equipment decontamination or sample preservation may volatilize and enter the field crew's breathing zone and be inhaled. Breathing zone air can be monitored to ensure that the chemicals do not exceed the PEL. If any of the chemicals exceed the PEL, immediate action is required (e.g., don respirators, leave Site) as designated in the "Air Monitoring" section (Section 5) of this HASP.

Chemical Properties

Chemical of Concern	Maximum Expected Concentration	Medium	PEL/REL (mg/m^3)	OSHA STEL (mg/m^3)	OSHA IDLH (mg/m^3)	IP (eV)	Carcinogen or Other Hazard
Arsenic (inorganic)	Unknown	Soil	0.010 (NIOSH TWA REL, 0.002 ceiling)	--	5	--	Ca
Lead (inorganic)	Unknown	Soil	0.05 (OSHA TWA PEL)	--	100	--	Irritant, possible carcinogen
Petroleum	Unknown	Soil	350 TWA REL, 1,800 15-min ceiling		1,100 ppm		Flammable liquid
Hydrochloric Acid	Product (<10%)	Preservative	5 ppm	--	50 ppm	12.74	Corrosive
Methanol	Product (<62%)	Preservative	200 ppm (OSHA TWA PEL)	250 (NIOSH STEL)	6,000 ppm	10.84	Class IB flammable liquid
Nitric Acid	Product (<10%)	Preservative	2 ppm	4 (NIOSH STEL)	25 ppm	11.95	Corrosive
Liquinox®, Alconox® (tetra sodium pyrophosphate)	Product	Decon	5 (NIOSH REL)	--	--	--	Irritant
Isobutylene gas	Product	Calibration Gas	--	--	--	9.43	Irritant

Notes:

-- = none established
Ca = carcinogen
Decon = decontamination
IDLH = immediately dangerous to life and health
IP(eV) = ionization potential (electron volts)
NIOSH = National Institute of Occupational Safety and Health
OSHA = Occupational Safety and Health Administration
PEL = permissible exposure limit
mg/m^3 = milligrams per cubic meter
REL = recommended exposure limit
STEL = short-term exposure limit
TWA = time-weighted average

The table below summarizes the chemical characteristics and potential chemical exposure routes at the Site.

	Likely	Possible	Unlikely
Potential Chemical Exposure Routes at the Site:			
Inhalation		X[a,b,c]	
Ingestion			X[a,b,c]
Skin absorption		X[a,b,c]	
Skin contact		X[a,b,c]	
Eye contact		X[a,b,c]	
Chemical Characteristics:			
Corrosive	X[a]		X[b,c]
Flammable	X[b]		X[a,c]
Ignitable	X[b]		X[a,c]
Reactive	X[a]		X[b,c]
Volatile	X[a,b]		X[c]
Radioactive			X[a,b,c]
Explosive			X[a,b,c]
Biological agent			X[a,b,c]
Particulates or fibers		X[c]	X[a,b]
If likely, describe:	Sample preservatives may include hydrochloric acid, methyl alcohol/methanol, and nitric acid. These are used for sample preservation in small volumes. Methyl alcohol/methanol is volatile and flammable. Field personnel will stand upwind when using methyl alcohol. These chemicals will not be used unless area is well ventilated. Keep methyl alcohol away from ignition sources at all times. Avoid contact with skin and eyes. Nitric and hydrochloric acids are corrosive and volatile. Always wear goggles or safety glasses and nitrile gloves when filling preserved bottles. These chemicals will not be used unless area is well ventilated.		

Notes:

[a] Nitric and hydrochloric acid (preservatives)

[b] Methyl alcohol (preservative)

[c] Site chemicals

3 PHYSICAL HAZARD EVALUATION AND GUIDELINES

The following sections present general physical hazards and potential activity hazards.

3.1 GENERAL PHYSICAL HAZARDS

The following table presents possible physical hazards that are expected to be present during field activities.

Possible Hazard	Yes	No	Proposed Safety Procedure
Heavy equipment	X		Stay back from operating equipment; wear safety vests and hard hats; coordinate and maintain eye contact with equipment operator. Large haul trucks may be on the Site and have limited visibility. Be sure to maintain a safe distance from haul truck routes and maintain eye contact with the driver, or wave your hands to get their attention when walking around a truck being loaded. Be sure to make sure the operator acknowledges that you are seen. Avoid all pinch points; do not operate or stand near equipment during electrical storms; stay a safe distance (25 ft) from power lines; level equipment.
Material handling	X		Lift properly; seek assistance if necessary; do not overfill coolers or boxes. Seek assistance if drums must be moved.
Adverse weather	X		Seek shelter during electrical storms and adhere to the "30-30" rule during lightning activity; work in adverse weather conditions only with proper training and equipment.
Plant/animal hazards	X		Know local hazards and take appropriate precautions. Use insect repellent if mosquitoes are persistent.
Dust	X		Wet surfaces/work areas, reduce truck speeds, and stand upwind.
Hazardous material handling (sample preservative)	X		Wear proper PPE and do not allow volatile components to enter your breathing zone; work in well-ventilated areas and upwind.
Uneven terrain/tripping	X		Use caution, wear properly fitting shoes or boots, and keep work area orderly. Do not obscure your view of the ground with carried loads.
Active railroad	X		When tracks must be crossed, look both directions every time. Do not cross directly in front or behind a standing rail car. Be mindful of where you step.
Noise	X		Wear ear protection when working around heavy equipment and other noise sources. Excavators, rock breaking equipment, and haul trucks are loud enough to damage your hearing. Wear hearing protection at all times when around heavy machinery.

Possible Hazard	Yes	No	Proposed Safety Procedure
Heat stress	X		Follow heat stress information (Attachment 3). *Note:* potential for heat stress will depend on ambient temperatures, PPE in use, activities, hydration, etc.
Cold/hypothermia	X		Keep warm and dry; bring changes of clothes; do not work in extreme conditions without proper equipment and training. Follow cold stress information (Attachment 3).
Falling objects	X		Wear hard hats in work areas (i.e., to protect from overhead hazards, mainly associated with operation of heavy equipment).

Summary of potential physical hazards posed by proposed Site activities:

Activity	Potential Hazard
Construction oversight	Uneven terrain/tripping, heat stress, cold/hypothermia, falling objects, heavy equipment, material handling, adverse weather.
Sample handling	Hazardous material handling (sample preservatives), uneven terrain and tripping, heat stress, hypothermia, adverse weather, plant and animal hazards, heavy equipment.
Air monitoring and observations	Heavy equipment, falling objects, uneven terrain and tripping, heat stress, hypothermia, adverse weather, excavations, plant and animal hazards, noise, dust.

4 PERSONAL PROTECTIVE EQUIPMENT AND SAFETY EQUIPMENT

The following sections address PPE and safety equipment required for completing the field activities.

4.1 PERSONAL PROTECTIVE EQUIPMENT

Based on the hazards identified above in Sections 2 and 3, the following table identifies the PPE required for Site activities.

	Level of Protection	
Site Activity	Initial	Contingency[a]
Waste sampling, handling, and decontamination	D	Temporarily stop work and assess situation[a]
Construction oversight and asphalt work	D	Temporarily stop work and assess situation[a]

Notes:
[a] Based on unexpected change in Site conditions

Each level of protection will incorporate the following PPE:

Level D	Long pants or work coveralls, shirt, hard hat (if heavy machinery is present at the Site or when working near overhead hazards), traffic safety vest (if heavy machinery is present), latex or nitrile gloves, safety glasses, and steel-toed boots are required. Hearing protection, sunscreen, and rain gear are required as needed.

Respirator and Respirator Cartridge Information

Respirator use is not expected to be necessary for this project. However, there is potential to encounter volatile organic compounds (VOCs) and other unknown hazards during site activities. If unexpected conditions are encountered resulting in an exceedance of the action level (see Section 5.4 below), work will be stopped, the situation assessed, and engineering controls potentially implemented.

If it is determined that respirators will need to be worn on specific portions of the Site, change-out schedules and procedures for respirator use will be incorporated as an addendum to this HASP. Change-out schedules and calculation parameters for many chemicals can be calculated

using the cartridge life calculator at the Mine Safety Appliances Company website (https://us.msasafety.com/).

4.2 SAFETY EQUIPMENT

The following safety equipment will be present at the Site during the proposed field activities.

Air Monitoring (check the items required for this project)

☐	OVM	☒	PID
☐	LEL/O_2 meter	☒	MiniRAM, or equivalent (particle monitors)
☐	H_2S meter	☐	Radiation meter
☐	Detector pump and tubes (e.g., benzene)	☐	Other: Personal Flotation Device

First Aid Kit Mandatory, including absorbent compress, adhesive bandages, adhesive tape, antiseptic, burn treatment, medical exam gloves, sterile pad, cardiopulmonary resuscitation (CPR) shield, triangle bandage, scissors—for cutting off the PPE from an injured person (check additional items required)

☒	Emergency blanket	☒	Sunscreen
☒	Insect repellent	☐	Other: _____

Other (check the items required for this project)

☒	Eyewash	☐	Fit test supplies
☒	Drinking water	☐	Fire extinguisher (heavy equipment and onboard larger sampling vessels)
☐	Stopwatch for monitoring heart rate for heat stress monitoring[2]	☐	Windsock
☐	Thermoscan® thermometer for heat stress monitoring	☒	Cellular phone
☐	Survival kit[3]	☐	Radio sets
☐	Personal flotation device	☒	Global positioning system
		☐	Other: _____

[2] Heart rate monitoring requires special training.
[3] Consult the CHSM for guidance for Site-specific survival kits.

5 AIR MONITORING

This section covers personal air monitoring for field personnel. A Community Air Monitoring Plan (CAMP) is included as Appendix H to the SMP. Air monitoring will be conducted when entering previously uncharacterized areas, when working in the vicinity of uncontained chemicals or spills, when opening containers and well casings, and prior to opening confined spaces. (Note: Integral personnel are not trained or authorized to enter confined spaces under any circumstances.) Air monitoring must be conducted to identify potentially hazardous environments and determine reference or background concentrations. Air monitoring can sometimes be used to augment judgment in defining exclusion zones.

Air monitoring may be discontinued at locations where there have been multiple sampling events in the same area/media during similar activities with no action level exceedances. In such instances, the air monitoring results must be well documented and there must be approval from the CHSM prior to discontinuing the air monitoring. Air monitoring must be reinstated for fieldwork in different areas of the Site or when new media are sampled.

5.1 INTRODUCTION

Personal air monitoring involves collection of samples within the breathing zone of the field personnel to better understand exposures, ensure appropriate levels of PPE, and document compliance with regulation. Such samples may be full shift, for comparison to PELs (or other applicable occupational exposure limits), or short term, for comparison to STELs. Some chemicals in soil or aqueous media may volatilize or become aerosolized and be inhaled by field personnel.

Breathing zone air can be monitored to ensure that the chemicals do not exceed a regulatory or project-specific action level (generally 50 percent of the PEL). Integral commonly uses photoionization detectors (PIDs) and dust meters (e.g., MiniRAM, DustTrak, or equivalent) for monitoring VOCs and particle constituents, respectively. In practice, the air directly in the field personnel's breathing zone is monitored with the PID or dust meter for 10–15 seconds. The highest reading is recorded in the project logbook and checked against the Site-specific action level in the table below. If any of the constituents exceed the action level presented in Section 5.4, immediate action is required (e.g., don respirators, leave Site), as designated.

The following sections provide general guidance on the selection and calibration of PIDs and dust meters, which are typically rented for field projects.

5.2 PHOTOIONIZATION DETECTORS

It is critical to order a PID with a detector lamp with the appropriate ionization energy to detect constituents of interest at the Site. The ionization energy of the lamp must be greater than the ionization potential of the constituents of interest (ionization potentials are listed in the National Institute of Occupational Safety and Health pocket guide to chemicals and are presented in Section 2). Be sure that the PID arrives at least a day prior to the start of the fieldwork so field personnel can familiarize themselves with its operation and confirm that it was not damaged during shipping. Field personnel must also read the operation manual to become familiar with the PID's operation prior to use in the field. Moisture may damage the detector lamp and/or provide erroneous readings, so a moisture filter is used on the probe. Also, the PID will only accurately quantitate the material used in the calibration process. A response factor is used to measure the sensitivity of the PID to a particular chemical present at the Site. Response factors are normally presented in the operation manual for the PID.

As VOCs with a higher ionization energy are not initially expected to be of concern at the Site, a 10.6 eV lamp PID will be used unless subsequent laboratory analyses of VOC samples indicates that a lamp with a higher ionization energy needs to be used (i.e., detections of 1,2-dichloroethane would require the use of an 11.7 eV lamp).

The PID must be calibrated daily in accordance with the manufacturer's specifications, which are provided in the operation manual. The calibration typically requires the use of a span gas (generally 100 parts per million isobutylene) and zero gas (generally fresh air). Be sure that all the required calibration equipment/supplies are provided with the PID (e.g., span gas cylinder, regulator, tubing, and Tedlar™ bag). Record calibration data in the field logbook.

5.3 DUST METERS

The principal particle size of concern at the Site is PM10. Air monitoring will be performed with a MiniRAM or equivalent device, which is capable of detecting PM10 in air.

It is critical that the dust meter be capable of measuring the concentrations of airborne dust that are at or below the Site-specific action levels presented below. Be sure that the meter arrives at least a day prior to the start of the fieldwork so field personnel can familiarize themselves with the operation of the meter and confirm that it was not damaged during shipping. Field personnel must also read the operation manual to become familiar with the meter's operation prior to use in the field.

The dust meter must be field checked (i.e., zeroed) daily in accordance with the manufacturer's specifications, which are provided in the operation manual. The dust meter field check typically involves zeroing the meter with ambient or filtered air. Be sure that all the required

zeroing and operational equipment/supplies are provided with the dust meter. Record field-check data in the field logbook.

5.4 ACTION LEVELS

The following is a summary of personal air monitoring to be conducted at the Site.

Instrument	Observation	Action	Comments
PID	<5 ppm	Continue working.	At the perimeter of the excavation area or Site perimeter and sustained for 5 minutes.
PID	≥5 ppm	Work will stop and operations will be reviewed.	Steps will be taken to reduce emissions, such as placement of tarps or suppressants over the open work area, and the areas will be retested.
MiniRAM	≤50 µg/m^3	Continue working.	
MiniRAM	>50 µg/m^3 (at the excavation area or Site perimeter and sustained for 5 minutes)	Implement additional dust control measures.	
MiniRAM	>150 µg/m^3 (at the Site property perimeter and sustained for 5 minutes)	Operations will temporarily cease while additional dust control measures are identified and implemented.	If >150 µg/m^3 is detected at the perimeter of the Site, operations will slow while the optimal additional dust control measures are identified.

Notes:

ppm = parts per million
µg/m^3 = micrograms per cubic meter

Air monitoring will be conducted at least every 30 minutes, or more frequently if odors are observed by the field crew. Maintenance and calibration and field checks of all air monitoring equipment will be performed in accordance with manufacturer recommendations. Further details regarding community air monitoring are provided in the CAMP.

6 HEALTH AND SAFETY TRAINING AND MEDICAL MONITORING

The following sections present requirements for health and safety training and medical monitoring.

6.1 HEALTH AND SAFETY TRAINING AND MEDICAL MONITORING

Integral and subcontractor personnel are required to complete the following training requirements prior to working at the Site.

6.1.1 Training Requirements

Task	No Training	24-hour	40-hour[a]	Supervisor[b]	First Aid/CPR[c]	Medical Monitoring
Integral Field Personnel						
TBD			X	X	X	X
TBD			X	X	X	X
TBD			X	X	X	X
Integral Subcontractors[d]						

Notes:

[a] Must have current OSHA 8-hour refresher if it has been more than a year since the OSHA 40-hour training.

[b] At least one person at the Site must be OSHA HAZWOPER supervisor trained if this is a hazardous waste site.

[c] At least one member of each team of two or more people at the Site must be first aid/CPR trained.

[d] Integral subcontractors and consultants may have requirements that are more stringent than those listed above. These are minimum training and monitoring requirements required to work on the Site.

6.1.2 Site Safety Meetings

Site safety meetings must be held before beginning new tasks or when new staff enter the Site. Site safety meetings should be held at a minimum of once a week and should be held daily on complex or high hazard projects. Tailgate safety meetings must occur every morning during review of the day's work plan, covering specific hazards that may be encountered. Additional meetings will be held at any time health and safety concerns are raised by any of the personnel. Attendance and topics covered are to be documented in the field logbook.

6.2 MEDICAL MONITORING

OSHA requires medical monitoring for personnel potentially exposed to chemical hazards in concentrations in excess of the PEL for more than 30 days per year and for personnel who must use respiratory protection for more than 30 days per year. Integral requires medical monitoring for all employees potentially exposed to chemical hazards.

Will personnel working at the Site be enrolled in a medical monitoring program?	Yes	X
	No	

7 EMERGENCY RESPONSE PLAN

The following sections discuss emergency recognition and prevention, emergency response and notification, emergency decontamination, Site communications, and use of the buddy system.

7.1 EMERGENCY RECOGNITION AND PREVENTION

It is the responsibility of all personnel to monitor work at the Site for potential safety hazards. All personnel are required to immediately report any unsafe conditions to the SSO. The SSO is responsible to immediately take steps to remedy any unsafe conditions observed at the Site.

The following are examples of some emergency situations that could occur during field activities:

- Slips, trips, and falls (on sloped areas, uneven terrain, etc.)
- Lacerations from scrap metal (in soil, etc.)
- The air monitoring action level is exceeded
- Entrainment of clothes or objects in moving equipment or parts
- Serious injury or illness (e.g., physical injury, heart attack)
- Severe thunderstorm with lightning.

Immediate actions will be taken by the field team under the leadership of the SSO in response to these emergencies.

7.2 EMERGENCY RESPONSE AND NOTIFICATION

If an emergency at the Site warrants it, all personnel must immediately evacuate the affected work area and report to the SSO at the predetermined emergency assembly location:

Field vehicle

In case of injury, field personnel should take precautions to protect the victim from further harm and notify local or facility emergency services. In remote areas, it will be necessary to have first aid-trained personnel on the field team. The victim may require decontamination prior to treatment if practicable—requirements will vary based on Site conditions.

Emergency medical care will be provided by:

- [X] Local emergency medical provider (i.e., fire department)
- [ ] Facility emergency medical provider
- [ ] First aid-trained field staff (for remote areas only)

Local Resources	Name	Telephone	Notified Prior to Work (Yes/No)?
Fire	Corning Fire Department	911	No
Police	Corning Police Department	911	No
Ambulance	Not available	911	No
Hospital	Guthrie Corning Hospital	(607) 937-7200	No
Directions to the hospital:	Consult attached hospital route map.		

The SSO must confirm that the hospital listed is still in operation and that it has an emergency room. **It is required that the SSO drive to the hospital so that the directions are practiced and understood prior to initiating fieldwork.**

Corporate Resource	Name	Work Telephone	Cell Phone
Integral CHSM[a]	Damon Williams	Office: (225) 346-9535	(504) 300-9347
Integral President	Bill Locke	Office: (720) 465-3315	(303) 548-1111
Integral Human Resources Director	Joseph Drew	Office: (206) 957-0330	(206) 379-1289
Medical consultant	Tony Vo (WorkCare)	Office: (657) 549-3265	NA

Notes:
[a] If the CHSM cannot be reached, call Eron Dodak [Office: (503) 943-3614; Cell: (503) 407-2933]. If Eron Dodak cannot be reached, call David Livermore [Office: (503) 943-3613; Cell: (503) 806-4665].

In case of serious injuries, death, or other emergency, the Integral CHSM must be notified immediately at the phone numbers listed above. The Integral CHSM will notify the project manager and Integral's President. The project manager will notify the client.

7.3 EMERGENCY DECONTAMINATION PROCEDURES

In case of an emergency, if possible, gross decontamination procedures will be promptly implemented. If a life-threatening injury occurs and the injured person cannot undergo decontamination procedures at the Site, then the medical facility will be informed that the

injured person has not been decontaminated and given information regarding the most probable chemicals of concern.

Decontamination procedures will only be used if practical and if they will not further injure the person or delay treatment. Decontamination procedures should not be implemented if there is not a reasonable possibility that the injured party requires such intervention. The SSO will make the determination whether or not to decontaminate the injured person. The following steps will be followed for decontaminating injured personnel while on the Site:

- If it will not injure the person further, cut off PPE using scissors or scrub the gross contamination from the injured person's PPE (e.g., Tyvek® coveralls, work boots) with a Liquinox® or Alconox® solution followed by a rinse with tap or deionized/distilled water.
- Remove PPE if feasible without further injuring the person.

7.4 SITE COMMUNICATIONS

Each field team will carry a cell phone or satellite phone that is in good working order. If there is any type of emergency that requires the Site to be evacuated (e.g., severe thunderstorm with lightning, chemical release), the field team leader will blow the air horn three times. When the horn sounds, all personnel will meet at the predetermined emergency assembly location, provided the muster point is in safe territory (field vehicle). All other emergency notifications that do not require evacuation will be conducted using a cell phone. Emergency phone numbers are listed above in Section 7.2.

7.5 BUDDY SYSTEM

The buddy system will be used at the Site at all times. The buddy system is a system of organizing employees into field teams in such a manner that each employee of the field team is designated to be observed by at least one other employee in the field team. The purpose of the buddy system is to provide rapid assistance to employees in the event of an emergency.

Integral field staff will always have someone else on the Site with them. It is Integral's policy that the buddy system be used at all times. If Integral personnel are unable to team with other Integral staff, contractors will be retained to maintain the buddy system. Working alone at a specific area of the Site should be avoided given the potential hazards. Sometimes it is necessary for one member of the field team to be temporarily out of the visual sight of the other, and when this must occur, contact will be made with Site personnel during regularly agreed upon intervals by cell phone or radio.

8 WORK ZONES

Work zones are defined as follows:

Exclusion zone	Any area of the Site where hazardous substances are present, or are reasonably suspected to be present, and pose an exposure hazard to personnel
Contamination reduction zone	Area between the exclusion and support zones that provides a transition between contaminated and clean zones
Support zone	Any area of the Site, so designated, that is outside the exclusion and contamination reduction zones

Site control measures in work zones are described below for specific field activities.

8.1 EXCAVATION AND CONSTRUCTION OVERSIGHT

These activities include oversight of removal and maintenance of site cover including excavation work, and paving.

Exclusion zone: An approximate 12-ft radius around the heavy equipment or excavation will be marked with orange traffic safety cones or caution tape. Only properly equipped and trained personnel (i.e., wearing modified D protective clothing) will be allowed in this area.

Contamination reduction zone: After excavation, and/or construction activities are completed at a station, the exclusion zone will become the contamination reduction zone.

Support zone: All areas outside the exclusion and contamination reduction zones.

Controls to be used to prevent entry by unauthorized persons: No unauthorized personnel will be allowed into the exclusion/contaminant reduction zones.

9 EQUIPMENT DECONTAMINATION AND PERSONAL HYGIENE

The following sections describe equipment decontamination and personal hygiene procedures.

9.1 EQUIPMENT DECONTAMINATION PROCEDURES

After excavation work is completed, the exclusion zone will be used as the contaminant reduction zone for decontamination activities.

To minimize or prevent personal exposure to hazardous materials, all personnel working in the exclusion zone and contamination reduction zone will comply with the following decontamination procedures:

- All personnel will wash soil and chemicals from their rain gear or clothing before leaving the exclusion zone. All gloves, rain gear, and outer boots will be removed prior to entering the field vehicle. When that is impractical, lay down plastic sheeting over the seat and use a disposable floor mat or plastic sheeting for the floor of the vehicle to reduce the possibility of soiled material becoming adhered to the interior of the car.

Decontamination equipment required at the Site includes the following:

- Buckets or tubs
- Distilled/deionized water
- Site water
- Scrub brushes (long-handled)
- Liquinox® or Alconox® detergent
- Plastic bags
- Foil
- Paper towels
- Garbage bags
- Clean garden sprayer.

All non-disposable components of the sampling equipment (e.g., stainless steel spoons and bowls used for sample compositing) that contact the soil will be decontaminated using the following steps:

1. Rinse with Site water/tap water
2. Wash with Alconox® or Liquinox® detergent
3. Rinse with Site water/tap water
4. Rinse with Site or distilled/deionized water using a garden sprayer (compositing equipment only)
5. Allow to air dry
6. Wrap up compositing equipment in aluminum foil or place in a sealed plastic bag.

Decontamination wastewater containing solvent rinsate will be collected in plastic tubs and allowed to evaporate in an area downwind of the field crew during the course of the decontamination activity. Any solvent rinsate that has not evaporated by the end of the decontamination activity will be containerized and disposed of in accordance with applicable regulations.[4]

9.2 PERSONAL HYGIENE

The following personal hygiene practices will be used at the Site to reduce exposure to chemicals.

- Long hair will be secured away from the face so it does not interfere with any activities.
- All personnel leaving potentially contaminated areas will wash their hands, forearms, and faces in the contaminant reduction zone prior to entering any clean areas or eating areas.
- Personnel leaving potentially contaminated areas will shower (including washing hair) and change to clean clothing as soon as possible after leaving the Site.
- No person will eat, drink, or chew gum or tobacco in potentially contaminated areas. Single portion drink containers and drinking of replacement fluids for heat stress control will be permitted only in support areas.
- Smoking is prohibited by Integral personnel and subcontractors in all areas of the Site because of the potential for contaminating samples and for the health of the field team.

[4] Integral personnel are not allowed to sign hazardous waste manifests. Hazardous waste manifests must be signed by the client or client's representative.

10 VEHICLE SAFETY, SPILL CONTAINMENT, AND SHIPPING INSTRUCTIONS

The following sections describe vehicle safety, spill containment, and shipping instructions.

10.1 VEHICLE SAFETY

Integral's vehicle safety program requires the following:

- Cell phone usage while driving is not allowed, including the use of hands-free devices. If it is not feasible to wait to use the cell phone until arriving at the destination, pull off the road and park in a safe location to use the cell phone. Do not pull to the side of the road to use a cell phone because this significantly increases the risk of a rear-end collision.
- All vehicles are to be operated in a safe manner and in compliance with local traffic regulations and ordinances.
- Drivers are to practice defensive driving and drive in a courteous manner.
- Drivers are required to have a valid driver's license and liability insurance (per local state laws).
- Seat belts are to be worn by the driver and all passengers.
- No persons are allowed to ride in the back of any trucks or vans, unless equipped with seatbelts.
- Vehicles are to be driven in conformance with local speed limits.
- Personnel who are impaired by fatigue, illness, alcohol, illegal or prescription drugs, or who are otherwise physically unfit, are not allowed to drive or work on Integral field locations.
- Personnel are to avoid engaging in other distractions such as changing radio stations while driving.
- Motor vehicle accidents are to be reported to the responsible law enforcement agency, the Integral Human Resources manager, and the Integral CHSM on the same day of occurrence. Documentation of damage should be photographed.
- Personnel who have experienced work-related vehicle accidents or citations may be required to complete a defensive driving program.

10.2 SPILL CONTAINMENT

Decontamination chemicals to be used at the Site will be either Liquinox® or Alconox®. These chemicals will be dispensed from capped or disposable containers directly into plastic pails or shallow Rubbermaid® tubs that are marked as used for decontamination. Plastic sheeting should be laid down beneath the decontamination buckets and care will be taken to reduce spillage and splashing during decontamination. Any spills will be cleaned up and disposed of in accordance with applicable regulations.

10.3 SHIPPING INFORMATION

Federal laws and international guidelines place restrictions on what materials may be shipped by passenger and cargo aircraft. In addition, 49 CFR regulates labeling, manifesting, and shipment of all packages containing potentially hazardous materials. In the course of these field activities, the following items will be shipped to and from the Site as shown below:

Item	Hazardous Constituent	Quantity	Packaging	How Shipped
Waste characterization samples	None	Approx. 10	Coolers	Field vehicle or courier
Calibration gas (isobutylene)	Isobutylene	(1) 17 L	Steel cylinder	Field vehicle

A 24-hour emergency response number (on any shipping documents such as a Uniform Hazardous Waste Manifest, Shipper's Declaration of Dangerous Goods, etc.) is required for shipments of all dangerous or hazardous goods. Integral does not have a 24-hour emergency contact number for dangerous or hazardous goods shipment. No dangerous or hazardous goods may be shipped by Integral until an account is set up with a 24-hour emergency response service such as CHEM-TEL (1-813-248-0573). If any hazardous or dangerous goods need to be shipped for a project, they must be shipped directly to the Site by the supplier. Any hazardous or dangerous goods that are not used in the course of the field effort must remain at the Site.

Air shipment of equipment with lithium batteries is required to note the presence of these batteries. Warning labels are available from the equipment rental agency and can be copied.

Do not ship any isobutylene containers (empty or not) back to the vendor.

11 TASK-SPECIFIC SAFETY PROCEDURE SUMMARY

The following sections briefly describe general procedures, and task-specific remediation and construction activities safety procedures.

11.1 GENERAL PROCEDURES

The following safety procedures are applicable to all Site activities.

11.1.1 Contact with the Public

Contact with the public may occur at the Site. Always use the buddy system at the Site. Personnel should not actively engage with the public unless they are approaching the work area or affecting the work activity. If a situation occurs that results in an unsafe confrontation, personnel should immediately enter a locked vehicle, leave the Site, and call law enforcement authorities.

11.1.2 Weather Extremes

Fieldwork may occur during warm temperatures. An information sheet on heat stress is included as Attachment 3 and should be reviewed prior to working in conditions where heat stress is a potential risk to personnel. Lightning may also occur during field activities, and the "30-30" rule should be adhered to if lightning occurs. If there are fewer than 30 seconds between lightning and thunder, take shelter inside and stay inside until 30 minutes after the last thunder.

11.2 SAMPLING

The following sections describe task-specific procedures for the sampling activities.

11.2.1 Subsurface Activities

The UDig NY one-call utility locating service (1-800-962-7962) will be notified at least 48 hours (2 full working days) prior and not more than 10 days prior to any subsurface work. Confirm the absence of underground and overhead utilities before starting subsurface activities. Ensure that all utilities are marked or have a designation that they are not present in the area. The utility locating service should have marked all utilities present in the area. It may be necessary to hire a private utility locator as work occurring on private property may not be adequately marked. Take a few minutes to examine the locations of fire hydrants, gas meters, etc. to make sure that the utility locating marks make sense. If there is any doubt as to the location of

underground utilities, call the public or a private utility locator. Finally, check for overhead utilities and obstructions such as trees.

Personnel will wear safety glasses and steel-toed boots at all times. Hard hats and traffic safety vests will be worn when working around heavy equipment, or where overhead hazards exist. The exclusion zone around the heavy equipment or excavation will be marked with orange traffic cones or caution tape, as practicable, and personnel will police the area to make sure no unauthorized personnel enter the exclusion zone. Exercise care when lifting, assembling, and decontaminating equipment. Always stay clear of the heavy machinery. Be aware of your surroundings and understand that blind spots do exist with heavy machinery, so always be aware of their location. Keep in eye contact with the equipment operator/driver. Stay away from pinch points. Know the location of the "kill switch" on equipment. Avoid haul truck routes and make sure the operator sees you at all times even when not working in an excavation area. When in an excavation area, ensure that you are well outside of the swing radius of the excavator. While excavation is occurring, ensure airborne dust is kept to a minimum by wetting surfaces to suppress dust.

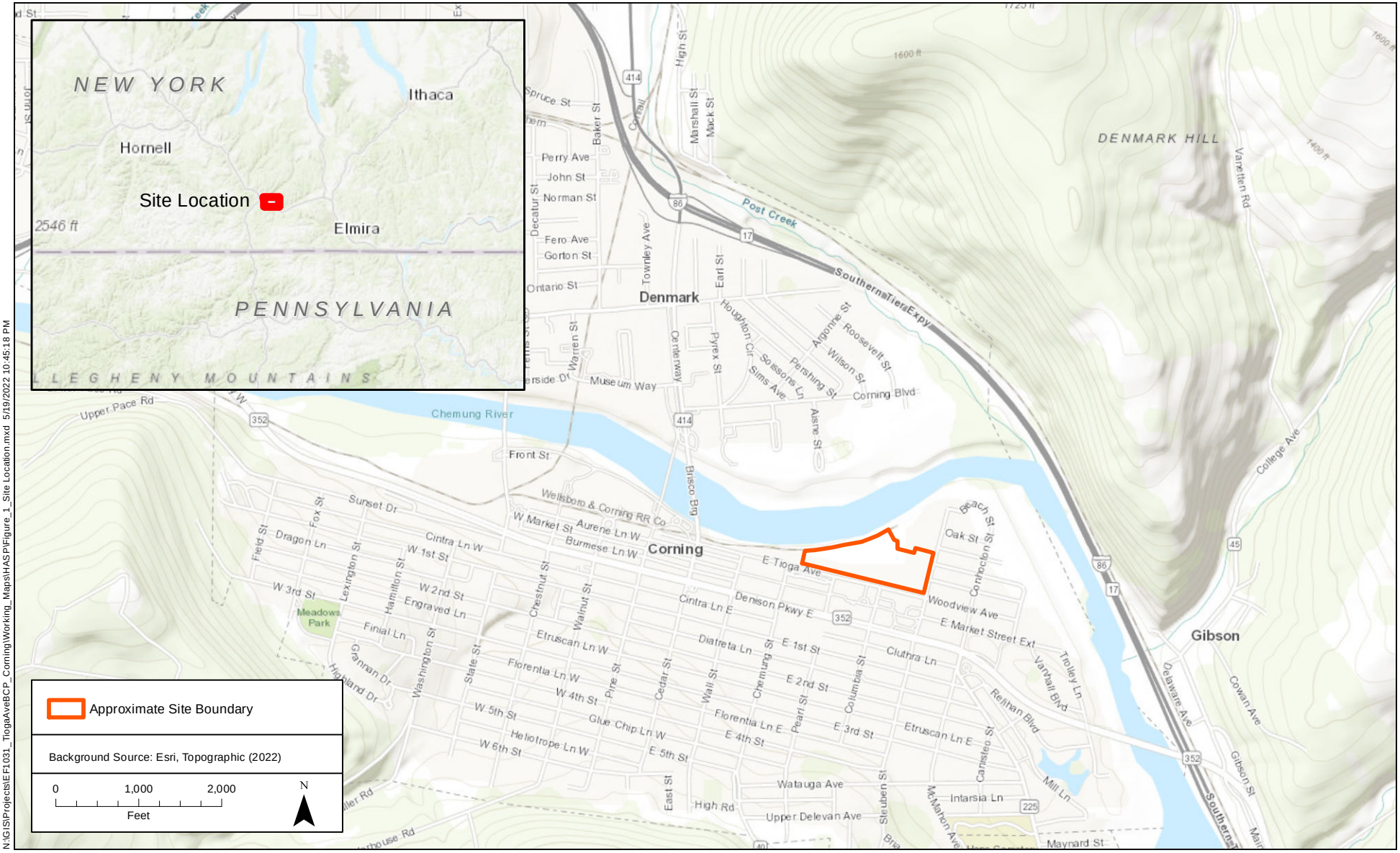
Always wear safety glasses, nitrile gloves, traffic safety vest, and steel-toed boots during waste characterization sampling. Avoid getting soil and sample preservatives (hydrochloric acid, methanol, and nitric acid) on your clothes or skin. Drive as close to each sampling location as practicable and then approach on foot. Exercise care when carrying heavy equipment to the sampling location. Always wear nitrile gloves when handling sampling equipment, samples, or decontamination water. Avoid splashing decontamination water onto your clothes or skin.

11.2.2 Observation and General Site Activities

Be aware of your surroundings and the potential for uneven terrain. Wear appropriate PPE depending on conditions and at all times when sampling. Steel-toed boots will be worn at all times while at the Site.

Attachment 1

Site Map and Hospital Route



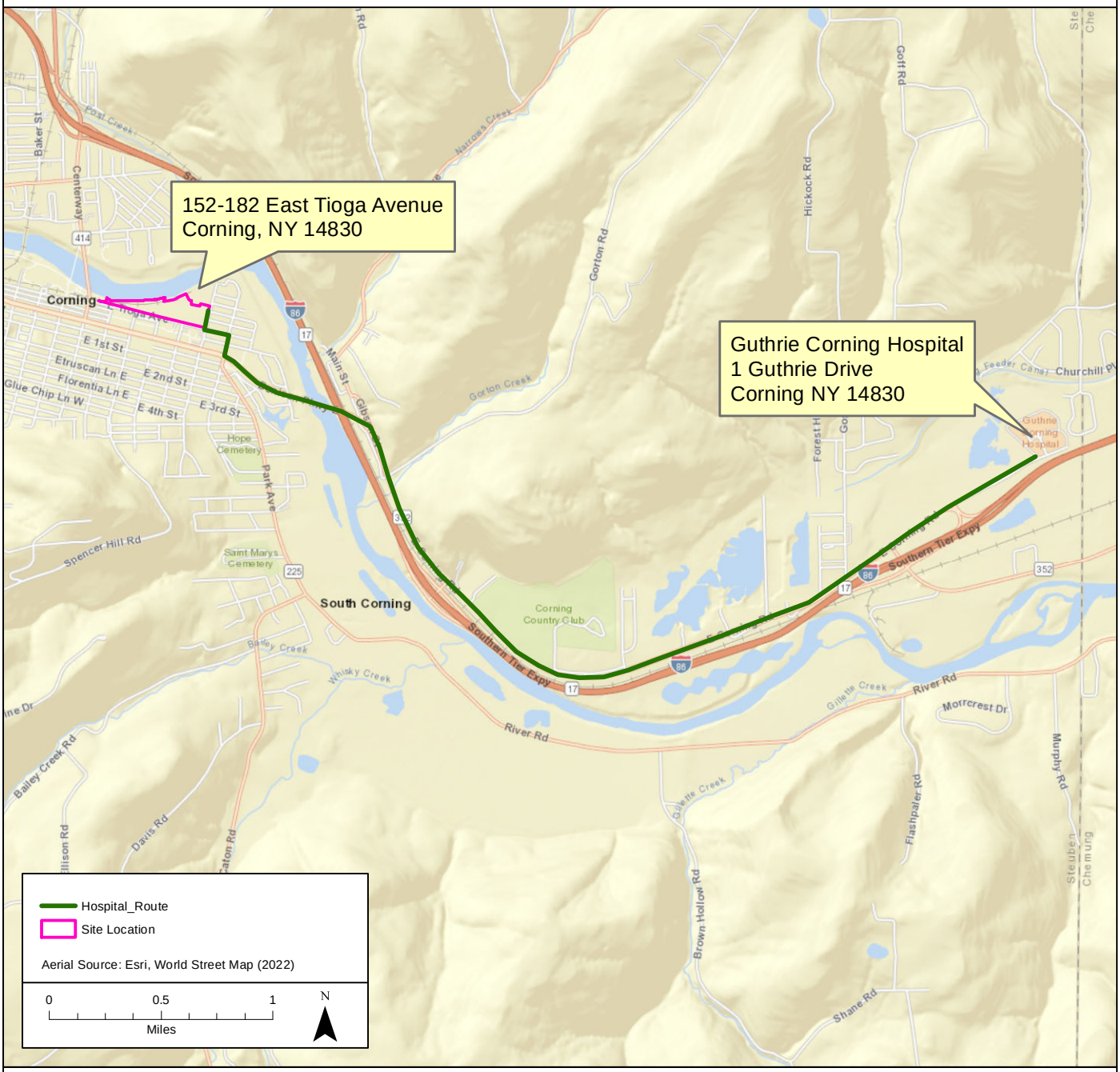
N:\GIS\Projects\EF1031_TiogaAveBCP_Corning\Working_Maps\HASP\Figure_1_Site Location.mxd 5/19/2022 10:45:18 PM

integral engineering p.c.

Location of Tioga Avenue Site

Route to Hospital

1. Head south on Steuben Street.
2. Turn left onto Woodview Avenue.
3. Turn right onto Conhocton Street.
4. Turn left onto NY-352 E/Denison Parkway East Corning Road.
5. Continue on East Corning Rd to Guthrie Corning Hospital.



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integral engineering p.c.

Hospital Route

Attachment 2

Regulatory Notices

You Have a Right to a Safe and Healthful Workplace.

IT'S THE LAW!

- You have the right to notify your employer or OSHA about workplace hazards. You may ask OSHA to keep your name confidential.
- You have the right to request an OSHA inspection if you believe that there are unsafe and unhealthful conditions in your workplace. You or your representative may participate in the inspection.
- You can file a complaint with OSHA within 30 days of discrimination by your employer for making safety and health complaints or for exercising your rights under the *OSH Act*.
- You have a right to see OSHA citations issued to your employer. Your employer must post the citations at or near the place of the alleged violation.
- Your employer must correct workplace hazards by the date indicated on the citation and must certify that these hazards have been reduced or eliminated.
- You have the right to copies of your medical records or records of your exposure to toxic and harmful substances or conditions.
- Your employer must post this notice in your workplace.



The *Occupational Safety and Health Act of 1970 (OSH Act)*, P.L. 91-596, assures safe and healthful working conditions for working men and women throughout the Nation. The Occupational Safety and Health Administration, in the U.S. Department of Labor, has the primary responsibility for administering the *OSH Act*. The rights listed here may vary depending on the particular circumstances. To file a complaint, report an emergency, or seek OSHA advice, assistance, or products, call 1-800-321-OSHA or your nearest OSHA office: • Atlanta (404) 562-2300 • Boston (617) 565-9860 • Chicago (312) 353-2220 • Dallas (214) 767-4731 • Denver (303) 844-1600 • Kansas City (816) 426-5861 • New York (212) 337-2378 • Philadelphia (215) 861-4900 • San Francisco (415) 975-4310 • Seattle (206) 553-5930. Teletypewriter (TTY) number is 1-877-889-5627. To file a complaint online or obtain more information on OSHA federal and state programs, visit OSHA's website at **www.osha.gov**. If your workplace is in a state operating under an OSHA-approved plan, your employer must post the required state equivalent of this poster.

1-800-321-OSHA

www.osha.gov

U.S. Department of Labor • Occupational Safety and Health Administration • OSHA 3165

Attachment 3

Safety Procedures

FROSTBITE

What happens to the body:

Freezing in deep layers of skin and tissue; pale, waxy-white skin color; skin becomes hard and numb; usually affects fingers, hands, toes, feet, ears, and nose.

What to do: (land temperatures)

- Move the person to a warm, dry area. Don't leave the person alone.
- Remove wet or tight clothing that may cut off blood flow to the affected area.
- **Do not** rub the affected area because rubbing damaged the skin and tissue.
- Gently place the affected area in a warm water bath (105°) and monitor the water temperature to **slowly** warm the tissue. Don't pour warm water directly on the affected area because it will warm the tissue too fast, causing tissue damage. Warming takes 25-40 minutes.
- After the affected area has been warmed, it may become puffy and blister. The affected area may have a burning feeling or numbness. When normal feeling, movement, and skin color have returned, the affected area should be dried and wrapped to keep it warm. **Note:** If there is a chance the affected area may get cold again, do not warm the skin. If the skin is warmed and then becomes cold again, it will cause severe tissue damage.
- Seek medical attention as soon as possible.

How to Protect Workers

- Recognize the environmental and workplace conditions that lead to potential cold-induced illnesses and injuries.
- Learn the signs and symptoms of cold-induced illnesses/injuries and what to do to help the worker.
- Train workers about cold-induced illnesses and injuries.
- Select proper clothing for cold, wet, and windy conditions. Layer clothing to adjust to changing environmental temperatures. Wear a hat and gloves, in addition to underwear that will keep water away from the skin (polypropylene.)
- Take frequent short breaks in warm, dry shelters to allow the body to warm up.
- Perform work during the warmest part of the day.
- Avoid exhaustion or fatigue because energy is needed to keep muscles warm.
- Use the buddy system (work in pairs.)
- Drink warm, sweet beverages (sugar water, sports-type drinks.) **Avoid drinks with caffeine** (coffee, tea, or hot chocolate) **or alcohol**.
- Eat warm, high-calorie foods like hot pasta dishes.

Workers are at increased risk when…

- They have predisposing health conditions such as cardiovascular disease, diabetes, and hypertension.
- They take certain medications. Check with your doctor, nurse, or pharmacy and ask if medicines you take affect you while working in cold environments.
- They are in poor physical condition, have a poor diet, or are older.

HYPOTHERMIA - (Medical Emergency)

What happens to the body:

Normal body temperature (98.6°F/37°C) drops to or below 95°F/35°C; fatigue or drowsiness; uncontrolled shivering; cool, bluish skin; slurred speech; clumsy movements; irritable, irrational, or confused behavior.

What to do: (land temperatures)

- Call for emergency help (i.e., ambulance or 911).
- Move the person to a warm, dry area. Don't leave the person alone.
- Remove wet clothing and replace with warm, dry clothing or wrap the person in blankets.
- Have the person drink warm, sweet drinks (sugar water or sports-type drinks) if he is alert. **Avoid drinks with caffeine** (coffee, tea, or hot chocolate) **or alcohol**.
- Have the person move his arms and legs to create muscle heat. If he is unable to do this, place warm bottles or hot packs in the armpits, groin, neck, and head areas. **Do not** rub the person's body or place him in a warm water bath. This may stop his heart.

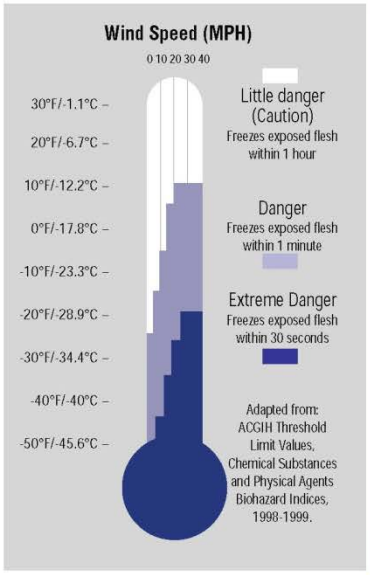
What to do: (water temperatures)

- Call for emergency help (i.e., ambulance or 911). Body heat is lost up to 25 times faster in water.
- **Do not** remove any clothing. Button, buckle, zip, and tighten any collars, cuffs, shoes, and hoods because the layer of trapped water closest to the body provides a layer of insulation that slows the loss of heat. Keep the head out of the water and put on a hat or hood.
- Get out of the water as quickly as possible or climb on anything floating. **Do not** attempt to swim unless a floating object or another person can be reached because swimming or other physical activity uses body heat and reduces survival time by about 50 percent.
- If getting out of the water is not possible, wait quietly and conserve body heat by folding arms across the chest, keeping thighs together, bending knees, and crossing ankles. If another person is in the water, huddle together with chests held closely.

THE COLD STRESS EQUATION

LOW TEMPERATURE + WIND SPEED + WETNESS = INJURIES & ILLNESS

When the body is unable to warm itself, serious cold-related illnesses and injuries may occur, and permanent tissue damage and death may result. **Hypothermia** can occur when *land temperatures* are **above** freezing or *water temperatures* are below 98.6°F/37°C. Cold-related illnesses can slowly overcome a person who has been chilled by low temperatures, brisk winds, or wet clothing.



Oregon Occupational Safety & Health Division
440-3336E S (9/03)

HEAT EXHAUSTION

What happens to the body:

Headaches, dizziness, or light-headedness, weakness, mood changes, irritability or confusion, feeling sick to your stomach, vomiting, fainting, decreased and dark-colored urine, and pale, clammy skin.

What should be done:

- Move the person to a cool shaded area. Don't leave the person alone. If the person is dizzy or light-headed, lay him on his back and raise his legs about 6-8 inches. If the person is sick to his stomach, lay him on his side.
- Loosen and remove heavy clothing.
- Have the person drink some cool water (a small cup every 15 minutes) if he is not feeling sick to his stomach.
- Try to cool the person by fanning him. Cool the skin with a cool spray mist of water or wet cloth.
- If the person does not feel better in a few minutes call for emergency help (ambulance or call 911.)

(If heat exhaustion is not treated, the illness may advance to heat stroke.)

HEAT STROKE - A Medical Emergency

What happens to the body:

Dry, pale skin (no sweating); hot red skin (looks like a sunburn); mood changes; irritability, confusion, and not making any sense; seizures or fits, and collapse (will not respond).

What should be done:

- Call for emergency help (i.e., ambulance or 911.)
- Move the person to a cool, shaded area. Don't leave the person alone. Lay him on his back and if the person is having seizures, remove objects close to him so he won't hit them. If the person is sick to his stomach, lay him on his side.
- Remove heavy and outer clothing.
- Have the person drink some cool water (a small cup every 15 minutes) if he is alert enough to drink anything and not feeling sick to his stomach.
- Try to cool the person by fanning him or her. Cool the skin with a cool spray mist of water, wet cloth, or wet sheet.
- If ice is available, place ice packs in armpits and groin area.

How to Protect Workers

- Learn the signs and symptoms of heat-induced illnesses and what to do to help the worker.
- Train workers about heat-induced illnesses.
- Perform the heaviest work during the coolest part of the day.
- Slowly build up tolerance to the heat and the work activity (usually takes up to 2 weeks.)
- Use the buddy system (work in pairs.)
- Drink plenty of cool water (one small cup every 15-20 minutes.)
- Wear light, loose-fitting, breathable (like cotton) clothing.
- Take frequent short breaks in cool, shaded areas (allow your body to cool down.)
- Avoid eating large meals before working in hot environments.
- Avoid caffeine and alcoholic beverages (these beverages make the body lose water and increase the risk of heat illnesses.)

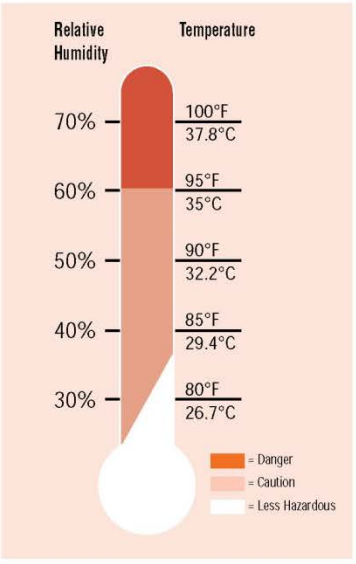
Workers are at increased risk when...

- They take certain medications. Check with your doctor, nurse, or pharmacy to see if medicines you take affect you when working in hot environments.
- They have had a heat-induced illness in the past.
- They wear personal protective equipment.

THE HEAT EQUATION

HIGH TEMPERATURE + HIGH HUMIDITY + PHYSICAL WORK = HEAT ILLNESS

When the body is unable to cool itself through sweating, **serious** heat illnesses may occur. The most severe heat-induced illnesses are **heat exhaustion** and **heat stroke**. If actions are not taken to treat heat exhaustion, the illness could progress to heat stroke and **death**.



Oregon Occupational Safety & Health Division
440-3333E-S(9/03)

Attachment 4

Safety Data Sheets

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

1 Identification of the substance/mixture and of the supplier

1.1 Product identifier

Trade Name: Alconox
Synonyms:
Product number: 1104-1, 1104, 1125, 1150, 1101, 1103, 1112-1, 1112

1.2 Application of the substance / the mixture : Cleaning material/Detergent

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer
Alconox, Inc.
30 Glenn Street
White Plains, NY 10603
1-914-948-4040

Supplier

Emergency telephone number:
ChemTel Inc
North America: 1-800-255-3924
International: 01-813-248-0585

2 Hazards identification

2.1 Classification of the substance or mixture:

In compliance with EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments.

Hazard-determining components of labeling:
Tetrasodium Pyrophosphate
Sodium tripolyphosphate
Sodium Alkylbenzene Sulfonate

2.2 Label elements:

Skin irritation, category 2.
Eye irritation, category 2A.

Hazard pictograms:



Signal word: Warning

Hazard statements:
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements:
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 If on skin: Wash with soap and water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P501 Dispose of contents and container as instructed in Section 13.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

Additional information: None.

Hazard description

Hazards Not Otherwise Classified (HNOC): None

Information concerning particular hazards for humans and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

3 Composition/information on ingredients

3.1 Chemical characterization : None

3.2 Description : None

3.3 Hazardous components (percentages by weight)

Identification	Chemical Name	Classification	Wt. %
CAS number: 7758-29-4	Sodium tripolyphosphate	Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	12-28
CAS number: 68081-81-2	Sodium Alkylbenzene Sulfonate	Acute Tox. 4; H303 Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	8-22
CAS number: 7722-88-5	Tetrasodium Pyrophosphate	Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	2-16

3.4 Additional Information : None.

4 First aid measures

4.1 Description of first aid measures

General information: None.

After inhalation:

Maintain an unobstructed airway.

Loosen clothing as necessary and position individual in a comfortable position.

After skin contact:

Wash affected area with soap and water.

Seek medical attention if symptoms develop or persist.

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

Remove contact lens(es) if able to do so during rinsing.

Seek medical attention if irritation persists or if concerned.

After swallowing:

Rinse mouth thoroughly.

Seek medical attention if irritation, discomfort, or vomiting persists.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

4.2 Most important symptoms and effects, both acute and delayed

None

4.3 Indication of any immediate medical attention and special treatment needed:

No additional information.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

For safety reasons unsuitable extinguishing agents : None

5.2 Special hazards arising from the substance or mixture :

Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for firefighters

Protective equipment:

Wear protective eye wear, gloves and clothing.
Refer to Section 8.

5.4 Additional information :

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols.
Avoid contact with skin, eyes and clothing.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures :

Ensure adequate ventilation.
Ensure air handling systems are operational.

6.2 Environmental precautions :

Should not be released into the environment.
Prevent from reaching drains, sewer or waterway.

6.3 Methods and material for containment and cleaning up :

Wear protective eye wear, gloves and clothing.

6.4 Reference to other sections : None

7 Handling and storage

7.1 Precautions for safe handling :

Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.

7.2 Conditions for safe storage, including any incompatibilities :

Store in a cool, well-ventilated area.

7.3 Specific end use(s):

No additional information.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

8 Exposure controls/personal protection





8.1 Control parameters :

a) 7722-88-5, Tetrasodium Pyrophosphate, OSHA TWA 5 mg/m3

b) Dusts, non-specific OEL, Irish Code of Practice

(i) Total inhalable 10 mg/m3 (8hr)

(ii) Respirible 4mg/m3 (8hr)

(iii) Tetrasodium Pyrophosphate, OSHA TWA 5 mg/m3, (8hr)

8.2 Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Respiratory protection:

Not needed under normal use conditions.

Protection of skin:

Select glove material impermeable and resistant to the substance or preparation. Protective gloves recommended to comply with EN 374. Take note of break through times, permeability, and special workplace conditions, such as mechanical strain, duration of contact, etc. Protective gloves should be replaced at the first sign of wear.

Eye protection:

Safety goggles or glasses, or appropriate eye protection. Recommended to comply with ANSI Z87.1 and/or EN 166.

General hygienic measures:

Wash hands before breaks and at the end of work.

Avoid contact with skin, eyes and clothing.

9 Physical and chemical properties

Appearance (physical state, color):	White and cream colored flakes - powder	**Explosion limit lower**: **Explosion limit upper**:	Not determined or not available. Not determined or not available.
Odor:	Not determined or not available.	**Vapor pressure at 20°C**:	Not determined or not available.
Odor threshold:	Not determined or not available.	**Vapor density**:	Not determined or not available.
pH-value:	9.5 (aqueous solution)	**Relative density**:	Not determined or not available.
Melting/Freezing point:	Not determined or not available.	**Solubilities**:	Not determined or not available.
Boiling point/Boiling range:	Not determined or not available.	**Partition coefficient (n-octanol/water)**:	Not determined or not available.
Flash point (closed cup):	Not determined or not available.	**Auto/Self-ignition temperature**:	Not determined or not available.
Evaporation rate:	Not determined or not available.	**Decompositio n**	Not determined or not available.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

Flammability (solid, gaseous):	Not determined or not available.	**Viscosity**:	a. Kinematic: Not determined or not available. b. Dynamic: Not determined or not available.
Density at 20°C:	Not determined or not available.		

10 Stability and reactivity

10.1 Reactivity : None

10.2 Chemical stability : None

10.3 Possibility hazardous reactions : None

10.4 Conditions to avoid : None

10.5 Incompatible materials : None

10.6 Hazardous decomposition products : None

11 Toxicological information

11.1 Information on toxicological effects :

Acute Toxicity:

Oral:

: LD50 > 5000 mg/kg oral rat - Product .

Chronic Toxicity: No additional information.

Skin corrosion/irritation:

Sodium Alkylbenzene Sulfonate: Causes skin irritation. .

Serious eye damage/irritation:

Sodium Alkylbenzene Sulfonate: Causes serious eye irritation .

Tetrasodium Pyrophosphate: Rabbit - Risk of serious damage to eyes .

Respiratory or skin sensitization: No additional information.

Carcinogenicity: No additional information.

IARC (International Agency for Research on Cancer): None of the ingredients are listed.

NTP (National Toxicology Program): None of the ingredients are listed.

Germ cell mutagenicity: No additional information.

Reproductive toxicity: No additional information.

STOT-single and repeated exposure: No additional information.

Additional toxicological information: No additional information.

12 Ecological information

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

12.1 Toxicity:

Sodium Alkylbenzene Sulfonate: Fish, LC50 1.67 mg/l, 96 hours.
Sodium Alkylbenzene Sulfonate: Aquatic invertebrates, EC50 Daphnia 2.4 mg/l, 48 hours. Sodium Alkylbenzene Sulfonate: Aquatic Plants, EC50 Algae 29 mg/l, 96 hours.
Tetrasodium Pyrophosphate: Fish, LC50 - other fish - 1,380 mg/l - 96 h.
Tetrasodium Pyrophosphate: Aquatic invertebrates, EC50 - Daphnia magna (Water flea) - 391 mg/l - 48 h.

12.2 Persistence and degradability: No additional information.

12.3 Bioaccumulative potential: No additional information.

12.4 Mobility in soil: No additional information.

General notes: No additional information.

12.5 Results of PBT and vPvB assessment:

PBT: No additional information.

vPvB: No additional information.

12.6 Other adverse effects: No additional information.

13 Disposal considerations

13.1 Waste treatment methods (consult local, regional and national authorities for proper disposal)

Relevant Information:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities. (US 40CFR262.11).

14 Transport information

14.1 UN Number: ADR, ADN, DOT, IMDG, IATA	None
14.2 UN Proper shipping name: ADR, ADN, DOT, IMDG, IATA	None
14.3 Transport hazard classes: ADR, ADN, DOT, IMDG, IATA	**Class:** None **Label:** None **LTD.QTY:** None

US DOT

Limited Quantity Exception: None

Bulk:
RQ (if applicable): None
Proper shipping Name: None
Hazard Class: None
Packing Group: None
Marine Pollutant (if applicable): No additional information.

Non Bulk:
RQ (if applicable): None
Proper shipping Name: None
Hazard Class: None
Packing Group: None
Marine Pollutant (if applicable): No additional information.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

Comments: None	**Comments:** None
14.4 Packing group: ADR, ADN, DOT, IMDG, IATA	None
14.5 Environmental hazards :	None
14.6 Special precautions for user:	None
Danger code (Kemler):	None
EMS number:	None
Segregation groups:	None

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

14.8 Transport/Additional information:

Transport category:	None
Tunnel restriction code:	None
UN "Model Regulation":	None

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

North American

SARA

Section 313 (specific toxic chemical listings): None of the ingredients are listed.
Section 302 (extremely hazardous substances): None of the ingredients are listed.

CERCLA (Comprehensive Environmental Response, Clean up and Liability Act) Reportable

Spill Quantity: None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

Inventory: All ingredients are listed.
Rules and Orders: Not applicable.

Proposition 65 (California):

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

Canadian

Canadian Domestic Substances List (DSL):
All ingredients are listed.

EU

REACH Article 57 (SVHC): None of the ingredients are listed.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

Germany MAK: Not classified.
EC 648/2004 – This is an industrial detergent. Contains >30% phosphate, 15-30% anionic surfactant, <5% EDTA salts
EC 551/2009 – This is not a laundry or dishwasher detergent
EC 907/2006 – Contains no enzymes, optical brighteners, perfumes, allergenic fragrances, or preservative agents

Asia Pacific

Australia

Australian Inventory of Chemical Substances (AICS): All ingredients are listed.

China

Inventory of Existing Chemical Substances in China (IECSC): All ingredients are listed.

Japan

Inventory of Existing and New Chemical Substances (ENCS): All ingredients are listed.

Korea

Existing Chemicals List (ECL): All ingredients are listed.

New Zealand

New Zealand Inventory of Chemicals (NZOIC): All ingredients are listed.

Philippines

Philippine Inventory of Chemicals and Chemical Substances (PICCS): All ingredients are listed.

Taiwan

Taiwan Chemical Substance Inventory (TSCI): All ingredients are listed.

16 Other information

Abbreviations and Acronyms: None

Summary of Phrases

Hazard statements:
H315 Causes skin irritation.
H319 Causes serious eye irritation.

NFPA: 1-0-0
HMIS: 1-0-0

Precautionary statements:
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 If on skin: Wash with soap and water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P501 Dispose of contents and container as instructed in Section 13.

Manufacturer Statement:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

SAFETY DATA SHEET

according to the (US) Hazard Communication Standard (29 CFR 1910.1200)

Revision Date 01/27/2015 Version 1.2

SECTION 1.Identification

Product identifier

Product number	HX0607
Product name	Hydrochloric Acid 34-37% OmniTrace®

Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Reagent for research and development

Details of the supplier of the safety data sheet

Company	EMD Millipore Corporation | 290 Concord Road, Billerica, MA 01821, United States of America | General Inquiries: +1-978-715-4321 | Monday to Friday, 9:00 AM to 4:00 PM Eastern Time (GMT-5)
Emergency telephone	800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

SECTION 2. Hazards identification

GHS Classification

Corrosive to Metals, Category 1, H290
Skin corrosion, Category 1B, H314
Serious eye damage, Category 1, H318
Specific target organ systemic toxicity - single exposure, Category 3, Respiratory system, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS-Labeling

Hazard pictograms



Signal Word
Danger

Hazard Statements
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

Precautionary Statements
P234 Keep only in original container.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/ physician.
P321 Specific treatment (see supplemental first aid instructions on this label).
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P406 Store in corrosive resistant stainless steel container with a resistant inliner.
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. Composition/information on ingredients

Chemical nature Aqueous solution

Hazardous ingredients

Chemical Name (Concentration)
CAS-No.
hydrochloric acid (>= 30 % - < 50 %)
7647-01-0

Exact percentages are being wihtheld as a trade secret.

SECTION 4. First aid measures

Description of first-aid measures

General advice
First aider needs to protect himself.

Inhalation
After inhalation: fresh air. Call in physician.

Skin contact
In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.

Eye contact
After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist.

Ingestion
After swallowing: make victim drink water (two glasses at most), avoid vomiting (risk of perforation!). Call a physician immediately. Do not attempt to neutralize.

Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed
Irritation and corrosion, Cough, Shortness of breath, cardiovascular disorders, Risk of blindness!

Indication of any immediate medical attention and special treatment needed
No information available.

SECTION 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture
Not combustible.
Ambient fire may liberate hazardous vapors.
Fire may cause evolution of:
Hydrogen chloride gas

Advice for firefighters

Special protective equipment for fire-fighters
Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Further information
Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders: Protective equipment see section 8.

Environmental precautions
Do not empty into drains.

Methods and materials for containment and cleaning up
Cover drains. Collect, bind, and pump off spills.
Observe possible material restrictions (see sections 7 and 10).
Take up with liquid-absorbent and neutralizing material (e.g. Chemizorb® H^+, Art. No. 101595).
Dispose of properly. Clean up affected area.

SECTION 7. Handling and storage

Precautions for safe handling

Observe label precautions.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

No metal containers.

Tightly closed.

Store at room temperature.

SECTION 8. Exposure controls/personal protection

Exposure limit(s)

Ingredients

Basis	Value	Threshold limits	Remarks
hydrochloric acid 7647-01-0			
ACGIH	Ceiling Limit Value:	2 ppm	
NIOSH/GUIDE	Ceiling Limit Value and Time Period (if specified):	5 ppm 7 mg/m³	
OSHA_TRANS	Ceiling Limit Value:	5 ppm 7 mg/m³	
Z1A	Ceiling Limit Value:	5 ppm 7 mg/m³	

Engineering measures

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

Individual protection measures

Protective clothing should be selected specifically for the workplace, depending on concentration and quantity of the hazardous substances handled. The chemical resistance of the protective equipment should be inquired at the respective supplier.

Hygiene measures

Immediately change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with substance.

Eye/face protection

Tightly fitting safety goggles

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Other protective equipment:

Acid-resistant protective clothing.

Respiratory protection
required when vapors/aerosols are generated.
Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

SECTION 9. Physical and chemical properties

Physical state	liquid
Color	colorless
Odor	stinging
Odor Threshold	0.8 - 5 ppm Gaseous hydrogen chloride (HCl).
pH	< 1 at 68 °F (20 °C)
Solidification point	-30 °C
Boiling point	No information available.
Flash point	Not applicable
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapor pressure	190 hPa at 68 °F (20 °C)
Relative vapor density	No information available.
Density	ca.1.19 g/cm³ at 68 °F (20 °C)
Relative density	No information available.
Water solubility	at 68 °F (20 °C) soluble
Partition coefficient: n-octanol/water	Not applicable

Autoignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity, dynamic	2.3 mPa.s at 59 °F (15 °C)
Explosive properties	Not classified as explosive.
Oxidizing properties	none
Ignition temperature	Not applicable
Corrosion	May be corrosive to metals.

SECTION 10. Stability and reactivity

Reactivity

Corrosive in contact with metals

Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

Possibility of hazardous reactions

Exothermic reaction with:

Amines, potassium permanganate, salts of oxyhalogenic acids, semimetallic oxides, semimetallic hydrogen compounds, Aldehydes, vinylmethyl ether

Risk of ignition or formation of inflammable gases or vapors with:

carbides, lithium silicide, Fluorine

Generates dangerous gases or fumes in contact with:

Aluminum, hydrides, formaldehyde, Metals, strong alkalis, Sulfides

Risk of explosion with:

Alkali metals, conc. sulfuric acid

Conditions to avoid

Heating.

Incompatible materials

Metals, metal alloys
Gives off hydrogen by reaction with metals.

Hazardous decomposition products

in the event of fire: See section 5.

SECTION 11. Toxicological information

Information on toxicological effects

Likely route of exposure
Inhalation, Eye contact, Skin contact

Target Organs
Eyes
Skin
Respiratory system
Cornea

Acute oral toxicity
Symptoms: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

Acute toxicity estimate: 1,892 mg/kg
Calculation method

Acute inhalation toxicity

Symptoms: mucosal irritations, Cough, Shortness of breath, Possible damages:, damage of respiratory tract

Acute toxicity estimate: 6.41 mg/l; 4 h
Calculation method

Skin irritation
Mixture causes burns.

Eye irritation
Mixture causes serious eye damage. Risk of blindness!

Specific target organ systemic toxicity - single exposure
Target Organs: Respiratory system
Mixture may cause respiratory irritation.

Specific target organ systemic toxicity - repeated exposure
The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard
Regarding the available data the classification criteria are not fulfilled.

Carcinogenicity

IARC	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
ACGIH	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Further information

After uptake:
After a latency period:
cardiovascular disorders
Handle in accordance with good industrial hygiene and safety practice.

Ingredients

hydrochloric acid
No information available.

SECTION 12. Ecological information

Ecotoxicity

No information available.

Persistence and degradability

No information available.

Bioaccumulative potential

Partition coefficient: n-octanol/water
Not applicable

Mobility in soil

No information available.

Additional ecological information
Forms corrosive mixtures with water even if diluted. Harmful effect due to pH shift.
Discharge into the environment must be avoided.

Ingredients

hydrochloric acid

Substance does not meets the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

SECTION 13. Disposal considerations

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14. Transport information

Land transport (DOT)

UN number	UN 1789
Proper shipping name	HYDROCHLORIC ACID
Class	8
Packing group	II
Environmentally hazardous	--

Air transport (IATA)

UN number	UN 1789
Proper shipping name	HYDROCHLORIC ACID
Class	8
Packing group	II
Environmentally hazardous	--
Special precautions for user	no

Sea transport (IMDG)

UN number	UN 1789
Proper shipping name	HYDROCHLORIC ACID
Class	8
Packing group	II
Environmentally hazardous	--
Special precautions for user	yes
EmS	F-A S-B

SECTION 15. Regulatory information

United States of America

SARA 313

The following components are subject to reporting levels established by SARA Title III, Section 313:

Ingredients

hydrochloric acid	7647-01-0	*37 %*

SARA 302

The following components are subject to reporting levels established by SARA Title III, Section 302:

Ingredients

hydrochloric acid	7647-01-0

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:
Ingredients
hydrochloric acid

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:
Ingredients
hydrochloric acid

DEA List I
Not listed

DEA List II
Listed
Ingredients

hydrochloric acid	7647-01-0

US State Regulations

Massachusetts Right To Know
Ingredients
hydrochloric acid

Pennsylvania Right To Know
Ingredients
hydrochloric acid

New Jersey Right To Know
Ingredients
hydrochloric acid

California Prop 65 Components
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

Notification status

TSCA:	All components of the product are listed in the TSCA-inventory.
DSL:	All components of this product are on the Canadian DSL.
KOREA:	Not in compliance with the inventory

SECTION 16. Other information

Training advice
Provide adequate information, instruction and training for operators.

Labeling

Hazard pictograms



Signal Word
Danger

Hazard Statements
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

Precautionary Statements
Prevention
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P310 IF exposed or concerned: immediately call a POISON CENTER or doctor/ physician.

Full text of H-Statements referred to under sections 2 and 3.

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

Key or legend to abbreviations and acronyms used in the safety data sheet
Used abbreviations and acronyms can be looked up at www.wikipedia.org.

Revision Date01/27/2015

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to appropriate safety precautions. It does not represent a warranty of any product properties and we assume no liability for any loss or injury which may result from the use of this information. Users should conduct their own investigations to determine the suitability of the information.
All rights reserved. Millipore and the "M" Mark are registered trademarks of Merck KGaA, Darmstadt, Germany.

Isobutylene (0.0005% - 1.34%), Oxygen (19.5 - 23.5%) in balance Nitrogen

Safety Data Sheet 50054

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 03/24/2015 Revision date: 03/01/2018 Supersedes: 03/24/2015 Version: 1.1

SECTION 1: Identification

1.1. Identification

Product form : Mixtures

Product name : Isobutylene (0.0005% - 1.34%), Oxygen (19.5 - 23.5%) in balance Nitrogen

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Test gas/Calibration gas.

1.3. Supplier

Calgaz, division of Airgas USA LLC
821 Chesapeake Drive
Cambridge, 21613 - USA
T 1-410-228-6400 - F 1-410-228-4251
info@Calgaz.com - www.Calgaz.com

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300
Internationally: 1-703-527-3887

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Gases under pressure Compressed gas	H280	Contains gas under pressure; may explode if heated

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS04

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H280 - Contains gas under pressure; may explode if heated

Precautionary statements (GHS-US) : P202 - Do not handle until all safety precautions have been read and understood.
P271 - Use only outdoors or in a well-ventilated area.
P403 - Store in a well-ventilated place.
CGA-PG02 - Protect from sunlight when ambient temperature exceeds 52°C/125 °F
CGA-PG05 - Use a back flow preventive device in the piping
CGA-PG06 - Close valve after each use and when empty
CGA-PG10 - Use only with equipment rated for cylinder pressure
CGA-PG14 - Approach suspected leak area with caution
CGA-PG21 - Open valve slowly

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Nitrogen	(CAS-No.) 7727-37-9	75.16 - 80.4995	Press. Gas (Comp.), H280
Oxygen	(CAS-No.) 7782-44-7	19.5 - 23.5	Ox. Gas 1, H270 Press. Gas (Comp.), H280
Isobutylene	(CAS-No.) 115-11-7	0.0005 - 1.34	Press. Gas (Liq.), H280

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Adverse effects not expected from this product. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Adverse effects not expected from this product.

First-aid measures after skin contact : Adverse effects not expected from this product.

First-aid measures after eye contact : Adverse effects not expected from this product.

First-aid measures after ingestion : Ingestion is not considered a potential route of exposure.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : Adverse effects not expected from this product.

Symptoms/effects after skin contact : Adverse effects not expected from this product.

Symptoms/effects after eye contact : Adverse effects not expected from this product.

Symptoms/effects after ingestion : Ingestion is not considered a potential route of exposure.

Symptoms/effects upon intravenous administration : Not known.

Chronic symptoms : Adverse effects not expected from this product.

Most important symptoms and effects, both acute and delayed : No effect on living tissue. Refer to section 11.

4.3. Immediate medical attention and special treatment, if necessary

If you feel unwell, seek medical advice. If breathing is difficult, give oxygen.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : Do not use water jet to extinguish.

5.2. Specific hazards arising from the chemical

Fire hazard : The product is not flammable.

Explosion hazard : Product is not explosive. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Reactivity : None known.

Hazardous combustion products : None known

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

Protection during firefighting : Standard protective clothing and equipment (e.g, Self Contained Breathing Apparatus) for fire fighters. Do not enter fire area without proper protective equipment, including respiratory protection.

Specific methods : Exposure to fire may cause containers to rupture/explode. Continue water spray from protected position until container stays cool. Move containers away from the fire area if this can be done without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate ventilation.

6.1.1. For non-emergency personnel

Protective equipment : Wear protective equipment consistent with the site emergency plan.

Emergency procedures	:	Evacuate personnel to a safe area. Close doors and windows of adjacent premises. Keep containers closed. Mark the danger area. Seal off low-lying areas. Keep upwind.

6.1.2. For emergency responders

Protective equipment	:	Standard protective clothing and equipment (e.g, Self Contained Breathing Apparatus) for fire fighters. Equip cleanup crew with proper protection.
Emergency procedures	:	Evacuate and limit access. Ventilate area.

6.2. Environmental precautions

Try to stop release if without risk.

6.3. Methods and material for containment and cleaning up

For containment	:	Try to stop release if without risk.
Methods for cleaning up	:	Dispose of contents/container in accordance with local/regional/national/international regulations.
Methods and material for containment and cleaning up	:	None.

6.4. Reference to other sections

See also Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	:	Pressurized container: Do not pierce or burn, even after use. Use only with equipment rated for cylinder pressure.
Precautions for safe handling	:	Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area.
Safe handling of the gas receptacle	:	Protect cylinders from physical damage; do not drag, roll, slide or drop. Do not remove or deface labels provided by the supplier for the identification of the cylinder contents.
Safe use of the product	:	The product must be handled in accordance with good industrial hygiene and safety procedures. Only experienced and properly instructed persons should handle gases under pressure. Consider pressure relief device(s) in gas installations. Ensure the complete gas system was (or is regularily) checked for leaks before use. Do not remove or deface labels provided by the supplier for the identification of the cylinder contents. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt.
Hygiene measures	:	Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	None known.
Storage conditions	:	Do not expose to temperatures exceeding 52 °C/ 125 °F. Keep container closed when not in use. Protect cylinders from physical damage; do not drag, roll, slide or drop. Store in well ventilated area.
Incompatible products	:	None known.
Incompatible materials	:	Flammable materials.
Conditions for safe storage, including any incompatibilities	:	Observe all regulations and local requirements regarding storage of containers. Containers should not be stored in conditions likely to encourage corrosion. Container valve guards or caps should be in place. Containers should be stored in the vertical position and properly secured to prevent them from falling over. Stored containers should be periodically checked for general condition and leakage. Keep container below 50°C in a well ventilated place. Store containers in location free from fire risk and away from sources of heat and ignition. Keep away from combustible materials.
Storage area	:	Store away from heat. Store in a well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Isobutylene (115-11-7)		
ACGIH	ACGIH TWA (ppm)	250 ppm

Oxygen (7782-44-7)
Not applicable

Nitrogen (7727-37-9)		
ACGIH	Remark (ACGIH)	Simple Asphyxiant

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Systems under pressure should be regularly checked for leakages. Consider the use of a work permit system e.g. for maintenance activities. Ensure exposure is below occupational exposure limits (where available).

Environmental exposure controls : Refer to local regulations for restriction of emissions to the atmosphere. See section 13 for specific methods for waste gas treatment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear working gloves when handling gas containers. 29 CFR 1910.138: Hand protection

Eye protection:

Wear safety glasses with side shields. 29 CFR 1910.133: Eye and Face Protection

Skin and body protection:

Wear suitable protective clothing, e.g. lab coats, coveralls or flame resistant clothing.

Respiratory protection:

None necessary during normal and routine operations. See Sections 5 & 6.

Thermal hazard protection:

None necessary during normal and routine operations.

Other information:

Wear safety shoes while handling containers. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Gas
Appearance	:	Clear, colorless gas.
Color	:	Colorless
Odor	:	Coal gas Odorless
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	No data available
Relative gas density	:	Lighter or similar to air
Solubility	:	Water: No data available
Log Pow	:	Not applicable for gas-mixtures. Not applicable for gas-mixtures.
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available

Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available
Explosive properties	:	Not applicable (non-flammable gas).
Oxidizing properties	:	Supports combustion. Not combustible but enhances combustion of other substances.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Can form explosive mixtures with flammable materials.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Flammable materials.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Isobutylene (115-11-7)	
LC50 inhalation rat (mg/l)	620 mg/l/4h
LC50 inhalation rat (ppm)	239620.46 ppm/4h
ATE US (gases)	239620.460 ppmV/4h
ATE US (vapors)	620.000 mg/l/4h
ATE US (dust, mist)	620.000 mg/l/4h

Oxygen (7782-44-7)	
LC50 inhalation rat (ppm)	800000 ppm/4h
ATE US (gases)	800000.000 ppmV/4h

Nitrogen (7727-37-9)	
LC50 inhalation rat (ppm)	820000 ppm/4h
ATE US (gases)	820000.000 ppmV/4h

Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified

Isobutylene (115-11-7)	
National Toxicology Program (NTP) Status	1 - Evidence of Carcinogenicity

Reproductive toxicity	:	Not classified
Specific target organ toxicity – single exposure	:	Not classified
Specific target organ toxicity – repeated exposure	:	Not classified

Aspiration hazard	:	Not classified
Symptoms/effects after inhalation	:	Adverse effects not expected from this product.
Symptoms/effects after skin contact	:	Adverse effects not expected from this product.
Symptoms/effects after eye contact	:	Adverse effects not expected from this product.
Symptoms/effects after ingestion	:	Ingestion is not considered a potential route of exposure.
Symptoms/effects upon intravenous administration	:	Not known.
Chronic symptoms	:	Adverse effects not expected from this product.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No ecological damage caused by this product.

12.2. Persistence and degradability

Isobutylene (0.0005% - 1.34%), Oxygen (19.5 - 23.5%) in balance Nitrogen	
Persistence and degradability	No data available.

Isobutylene (115-11-7)	
Persistence and degradability	The substance is readily biodegradable. Unlikely to persist.

Oxygen (7782-44-7)	
Persistence and degradability	No ecological damage caused by this product.

Nitrogen (7727-37-9)	
Persistence and degradability	No ecological damage caused by this product.

12.3. Bioaccumulative potential

Isobutylene (0.0005% - 1.34%), Oxygen (19.5 - 23.5%) in balance Nitrogen	
Log Pow	Not applicable for gas-mixtures.
Log Kow	Not applicable for gas-mixtures.
Bioaccumulative potential	No data available.

Isobutylene (115-11-7)	
Log Pow	2.35
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4). Refer to section 9.

Oxygen (7782-44-7)	
Log Pow	Not applicable for inorganic gases.
Bioaccumulative potential	No ecological damage caused by this product.

Nitrogen (7727-37-9)	
Log Pow	Not applicable for inorganic gases.
Bioaccumulative potential	No ecological damage caused by this product.

12.4. Mobility in soil

Isobutylene (0.0005% - 1.34%), Oxygen (19.5 - 23.5%) in balance Nitrogen	
Mobility in soil	No data available

Isobutylene (115-11-7)	
Ecology - soil	Because of its high volatility, the product is unlikely to cause ground or water pollution.

Oxygen (7782-44-7)	
Ecology - soil	No ecological damage caused by this product.

Nitrogen (7727-37-9)	
Ecology - soil	No ecological damage caused by this product.

12.5. Other adverse effects

Effect on ozone layer	:	None
Effect on global warming	:	No known effects from this product.
GWPmix comment	:	No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Contact supplier if guidance is required. Do not discharge into any place where its accumulation could be dangerous. Ensure that the emission levels from local regulations or operating permits are not exceeded.

Product/Packaging disposal recommendations : Refer to the CGA Pamphlet P-63 "Disposal of Gases" available at www.cganet.com for more guidance on suitable disposal methods.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1956 Compressed gas, n.o.s., 2.2

UN-No.(DOT) : UN1956

Proper Shipping Name (DOT) : Compressed gas, n.o.s.

Hazard labels (DOT) : 2.2 - Non-flammable gas



DOT Packaging Non Bulk (49 CFR 173.xxx) : 302;305

DOT Packaging Bulk (49 CFR 173.xxx) : 314;315

DOT Symbols : G - Identifies PSN requiring a technical name

DOT Packaging Exceptions (49 CFR 173.xxx) : 306;307

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg

DOT Vessel Stowage Location : A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.

Other information : No supplementary information available.

Special transport precautions : Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers: - Ensure there is adequate ventilation. - Ensure that containers are firmly secured. - Ensure cylinder valve is closed and not leaking. - Ensure valve outlet cap nut or plug (where provided) is correctly fitted. - Ensure valve protection device (where provided) is correctly fitted.

Transportation of Dangerous Goods

Transport by sea

Transport document description (IMDG) : UN 1956 Compressed gas, n.o.s., 2.2

UN-No. (IMDG) : 1956

Proper Shipping Name (IMDG) : Compressed gas, n.o.s.

Class (IMDG) : 2.2 - Non-flammable, non-toxic gases

Limited quantities (IMDG) : 120 ml

Air transport

Transport document description (IATA) : UN 1956 Compressed gas, n.o.s., 2.2

UN-No. (IATA) : 1956

Proper Shipping Name (IATA) : Compressed gas, n.o.s.

Class (IATA) : 2

SECTION 15: Regulatory information

15.1. US Federal regulations

Isobutylene (115-11-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Oxygen (7782-44-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Nitrogen (7727-37-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

Isobutylene (115-11-7)
Listed on the Canadian DSL (Domestic Substances List)

Oxygen (7782-44-7)
Listed on the Canadian DSL (Domestic Substances List)

Nitrogen (7727-37-9)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Isobutylene (115-11-7)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Oxygen (7782-44-7)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Nitrogen (7727-37-9)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Isobutylene (115-11-7)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

Oxygen (7782-44-7)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

Nitrogen (7727-37-9)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

Isobutylene (115-11-7)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Oxygen (7782-44-7)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Nitrogen (7727-37-9)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Revision date : 03/01/2018

Other information : This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR, 1910.1200. Other government regulations must be reviewed for applicability to this product.

Full text of H-phrases:

H270	May cause or intensify fire; oxidizer
H280	Contains gas under pressure; may explode if heated

SDS US (GHS HazCom 2012)

This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR, 1910.1200. Other government regulations must be reviewed for applicability to this gas mixture. To the best of Calgaz's knowledge, the information contained herein is reliable and accurate as of this date; however, accruacy, suitability or completeness are not guaranteed and no warranties of any type, either express or implied, are provided. The information contained herein relates only to this specific product. If this gas mixture is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

SAFETY DATA SHEET

Version 6.4
Revision Date 11/04/2019
Print Date 04/04/2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Liqui-nox® phosphate-free liquid detergent

Product Number : Z273279
Brand : Aldrich

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Synthesis of substances

1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich Inc.
3050 Spruce Street
ST. LOUIS MO 63103
UNITED STATES

Telephone : +1 314 771-5765
Fax : +1 800 325-5052

1.4 Emergency telephone number

Emergency Phone # : +1-703-527-3887

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin irritation (Category 2), H315
Serious eye damage (Category 1), H318
Specific target organ toxicity - repeated exposure, Inhalation (Category 2), Respiratory Tract, H373
Short-term (acute) aquatic hazard (Category 3), H402
Long-term (chronic) aquatic hazard (Category 3), H412

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word Danger

Hazard statement(s)
H315 Causes skin irritation.

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H318	Causes serious eye damage.
H373	May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P260	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264	Wash skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/ eye protection/ face protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P314	Get medical advice/ attention if you feel unwell.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Component		Classification	Concentration
Sodium xylenesulphonate			
CAS-No. EC-No.	1300-72-7 215-090-9	Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H315, H319, H335	>= 5 - < 10 %
Alcohols, C12-14-secondary, ethoxylated			
CAS-No.	84133-50-6	Skin Irrit. 2; Eye Dam. 1; H315, H318	>= 5 - < 10 %
Coconut diethanolamide			
CAS-No. EC-No.	8051-30-7 232-483-0	Skin Irrit. 2; Eye Dam. 1; Aquatic Acute 2; Aquatic Chronic 2; H315, H318, H401, H411	>= 5 - < 10 %
tripotassium hydrogen ethylenediaminetetraacetate			
CAS-No. EC-No.	17572-97-3 241-543-5	Acute Tox. 4; STOT RE 2; H332, H373	>= 5 - < 10 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed
No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Potassium oxides, Sodium oxides

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information
No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
For personal protection see section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

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6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Storage class (TRGS 510): 10: Combustible liquids

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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Control of environmental exposure
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: liquid
b)	Odour	No data available
c)	Odour Threshold	No data available
d)	pH	No data available
e)	Melting point/freezing point	No data available
f)	Initial boiling point and boiling range	No data available
g)	Flash point	()No data available
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapour pressure	No data available
l)	Vapour density	No data available
m)	Relative density	No data available
n)	Water solubility	No data available
o)	Partition coefficient: n-octanol/water	No data available
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available

9.2 Other safety information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available

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10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
No data available

10.6 Hazardous decomposition products
Other decomposition products - No data available
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Potassium oxides, Sodium oxides
In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
No data available

Dermal: No data available

No data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

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Additional Information
RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1 Toxicity
No data available

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product
Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging
Dispose of as unused product.

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

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SECTION 15: Regulatory information

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Water	CAS-No. 7732-18-5	Revision Date
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	
Sodium xylenesulphonate	1300-72-7	
Alcohols, C12-14-secondary, ethoxylated	84133-50-6	
Coconut diethanolamide	8051-30-7	
tripotassium hydrogen ethylenediaminetetraacetate	17572-97-3	

Water	CAS-No. 7732-18-5	Revision Date
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	
Sodium xylenesulphonate	1300-72-7	
Alcohols, C12-14-secondary, ethoxylated	84133-50-6	
Coconut diethanolamide	8051-30-7	
tripotassium hydrogen ethylenediaminetetraacetate	17572-97-3	

New Jersey Right To Know Components

Water	CAS-No. 7732-18-5	Revision Date
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	
Sodium xylenesulphonate	1300-72-7	
Alcohols, C12-14-secondary, ethoxylated	84133-50-6	

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Coconut diethanolamide	8051-30-7
tripotassium hydrogen ethylenediaminetetraacetate	17572-97-3

SECTION 16: Other information

Further information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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Version: 6.4 Revision Date: 11/04/2019 Print Date: 04/04/2020

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Methanol (230, 232, 233)

000000011383

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Methanol (230, 232, 233)
MSDS Number	:	000000011383
Product Use Description	:	Solvent
Manufacturer or supplier's details	:	Honeywell International Inc. 115 Tabor Road Morris Plains, NJ 07950-2546
For more information call	:	1-800-368-0050 +1-231-726-3171 (Monday-Friday, 9:00am-5:00pm)
In case of emergency call	:	**Medical: 1-800-498-5701 or +1-303-389-1414**
	:	**Transportation (CHEMTREC): 1-800-424-9300 or +1-703-527-3887**
	:	
	:	(24 hours/day, 7 days/week)

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Form	:	liquid, clear
Color	:	colourless
Odor	:	slight alcohol-like

Classification of the substance or mixture

Classification of the substance or mixture	:	Flammable liquids, Category 2 Eye irritation, Category 2A Reproductive toxicity, Category 2 Specific target organ toxicity - single exposure, Category 1, Eyes, Nervous system, Systemic toxicity

GHS Label elements, including precautionary statements

Symbol(s) :



Signal word : Danger

Hazard statements : Highly flammable liquid and vapour.
Causes serious eye irritation.
Suspected of damaging fertility or the unborn child.
Causes damage to organs.

Precautionary statements : **Prevention:**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ ventilating/ lighting/ equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/ eye protection/ face protection.

Response:
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed: Call a POISON CENTER or doctor/ physician.
If eye irritation persists: Get medical advice/ attention.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:
Store in a well-ventilated place. Keep cool.

Store locked up.

Disposal:
Dispose of contents/ container to an approved waste disposal plant.

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : CH4O

Chemical nature : Substance

Chemical Name	CAS-No.	Concentration
Methanol	67-56-1	100.00 %

SECTION 4. FIRST AID MEASURES

Inhalation : Call a physician immediately. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present.

Skin contact : Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Call a physician.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician.

Ingestion : Call a physician immediately. Do NOT induce vomiting. Immediate medical attention is required. Never give anything by mouth to an unconscious person.

Notes to physician

Treatment : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO2)
Dry chemical
Cool closed containers exposed to fire with water spray.

Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

Specific hazards during firefighting : Flammable.
Vapours may form explosive mixtures with air.
Vapours are heavier than air and may spread along floors.
Vapors may travel to areas away from work site before igniting/flashing back to vapor source.
In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide
Carbon dioxide (CO2)
Formaldehyde

Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear personal protective equipment.
Immediately evacuate personnel to safe areas.
Keep people away from and upwind of spill/leak.
Ensure adequate ventilation.
Remove all sources of ignition.
Do not swallow.
Do not breathe vapours or spray mist.
Avoid contact with skin, eyes and clothing.

Environmental precautions : Prevent further leakage or spillage if safe to do so.

Prevent product from entering drains.
Discharge into the environment must be avoided.
Do not flush into surface water or sanitary sewer system.
Do not allow run-off from fire fighting to enter drains or water courses.

Methods for cleaning up : Ventilate the area.
No sparking tools should be used.
Use explosion-proof equipment.
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Handling

Handling : Wear personal protective equipment.
Use only in well-ventilated areas.
Keep container tightly closed.
Do not smoke.
Do not swallow.
Do not breathe vapours or spray mist.
Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion : Keep away from fire, sparks and heated surfaces.
Take precautionary measures against static discharges.
Ensure all equipment is electrically grounded before beginning transfer operations.
Use explosion-proof equipment.
Keep product and empty container away from heat and sources of ignition.
No sparking tools should be used.
No smoking.

Storage

Requirements for storage areas and containers : Store in area designed for storage of flammable liquids.
Protect from physical damage.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Containers which are opened must be carefully resealed and

kept upright to prevent leakage.
Keep away from heat and sources of ignition.
Keep away from direct sunlight.
Store away from incompatible substances.
Container hazardous when empty.
Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective measures	:	Ensure that eyewash stations and safety showers are close to the workstation location.
Engineering measures	:	Use with local exhaust ventilation. Prevent vapour buildup by providing adequate ventilation during and after use.
Eye protection	:	Do not wear contact lenses. Wear as appropriate: Safety glasses with side-shields If splashes are likely to occur, wear: Goggles or face shield, giving complete protection to eyes
Hand protection	:	Solvent-resistant gloves Gloves must be inspected prior to use. Replace when worn.
Skin and body protection	:	Wear as appropriate: Solvent-resistant apron Flame retardant antistatic protective clothing. If splashes are likely to occur, wear: Protective suit
Respiratory protection	:	In case of insufficient ventilation, wear suitable respiratory equipment. For rescue and maintenance work in storage tanks use self-contained breathing apparatus. Use NIOSH approved respiratory protection.
Hygiene measures	:	When using do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Keep working clothes separately.

Do not swallow.
Do not breathe vapours or spray mist.
Avoid contact with skin, eyes and clothing.
This material has an established AIHA ERPG exposure limit.
The current list of ERPG exposure limits can be found at http://www.aiha.org/insideaiha/GuidelineDevelopment/ERPG/Documents/2011erpgweelhandbook_table-only.pdf.

Exposure Guidelines

Components	CAS-No.	Value	Control parameters	Update	Basis
Methanol	67-56-1	TWA : time weighted average	(200 ppm)	2008	ACGIH:US. ACGIH Threshold Limit Values
Methanol	67-56-1	STEL : Short term exposure limit	(250 ppm)	2008	ACGIH:US. ACGIH Threshold Limit Values
Methanol	67-56-1	SKIN_DES : Skin designation:	Can be absorbed through the skin.	2008	ACGIH:US. ACGIH Threshold Limit Values
Methanol	67-56-1	REL : Recommended exposure limit (REL):	260 mg/m3 (200 ppm)	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards
Methanol	67-56-1	SKIN_DES : Skin designation:	Can be absorbed through the skin.	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards

Methanol	67-56-1	STEL : Short term exposure limit	325 mg/m3 (250 ppm)	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards
Methanol	67-56-1	PEL : Permissible exposure limit	260 mg/m3 (200 ppm)	02 2006	OSHA_TRANS:US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Methanol	67-56-1	TWA : time weighted average	260 mg/m3 (200 ppm)	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)
Methanol	67-56-1	STEL : Short term exposure limit	325 mg/m3 (250 ppm)	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)
Methanol	67-56-1	SKIN_FINAL : Skin designation (Final Rule Limit applies):	Can be absorbed through the skin.	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : liquid, clear

Color : colourless

Odor : slight alcohol-like

pH : Note: Not applicable

Melting point/freezing point	:	Note: Not applicable
Boiling point/boiling range	:	64.7 °C
Flash point	:	52 °F (11 °C) Method: closed cup
Evaporation rate	:	ca. 5 Method: Compared to Butyl acetate.
Lower explosion limit	:	6 %(V)
Upper explosion limit	:	36 %(V)
Vapor pressure	:	129.32 hPa at 20 °C(68 °F)
Vapor density	:	1.11 Note: (Air = 1.0)
Density	:	0.792 g/cm3 at 20 °C
Water solubility	:	Note: completely soluble
Ignition temperature	:	464 °C
Molecular weight	:	32.04 g/mol

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Hazardous polymerisation does not occur.
Conditions to avoid	:	Heat, flames and sparks. Keep away from direct sunlight.
Incompatible materials to avoid	:	Strong oxidizing agents Aluminium Magnesium May attack many plastics, rubbers and coatings.
Hazardous decomposition products	:	In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO2) Formaldehyde

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50: 5,628 mg/kg Species: Rat
Acute inhalation toxicity	:	LC50: 64000 ppm Exposure time: 4 h Species: Rat
Acute dermal toxicity	:	LD50: 15,800 mg/kg Species: Rabbit
Skin irritation	:	Species: Rabbit Classification: irritating Exposure time: 24 h

Eye irritation	:	Species: rabbit eye Classification: irritating
Repeated dose toxicity	:	Species: Rat Application Route: Inhalation Test substance: Methanol Note: Developmental Toxicity NOAEL (maternal toxicity) 10,000 ppm NOAEL (developmental toxicity) 5,000 ppm Skeletal and visceral malformations.
Genotoxicity in vitro	:	Note: In vitro tests did not show mutagenic effects
Genotoxicity in vivo	:	Note: In vivo tests did not show mutagenic effects

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish	:	LC50: 29,400 mg/l Exposure time: 96 h Species: Fathead minnow
Toxicity to daphnia and other aquatic invertebrates	:	LC50: 10,000 mg/l Exposure time: 24 h Species: Daphnia (water flea)
Toxicity to bacteria	:	EC50: 43,000 mg/l Exposure time: 5 min Species: Photobacterium phosphoreum
	:	EC50: 40,000 mg/l Exposure time: 15 min Species: Photobacterium phosphoreum
	:	EC50: 39,000 mg/l Exposure time: 25 min Species: Photobacterium phosphoreum

Further information on ecology

Additional ecological information	:	Accumulation in aquatic organisms is unlikely. The product is readily degradable in the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	:	Observe all Federal, State, and Local Environmental regulations.

SECTION 14. TRANSPORT INFORMATION

DOT

UN/ID No.	:	UN 1230
Proper shipping name	:	METHANOL
Class		3
Packing group		II
Hazard Labels		3

IATA

UN/ID No.	:	UN 1230
Description of the goods	:	METHANOL
Class	:	3
Packaging group	:	II
Hazard Labels	:	3 (6.1)
Packing instruction (cargo aircraft)	:	364
Packing instruction (passenger aircraft)	:	352
Packing instruction (passenger aircraft)	:	Y341

IMDG

UN/ID No.	:	UN 1230
Description of the goods	:	METHANOL
Class	:	3
Packaging group	:	II
Hazard Labels	:	3 (6.1)
EmS Number	:	F-E, S-D
Marine pollutant	:	no

SECTION 15. REGULATORY INFORMATION

Inventories

US. Toxic Substances Control Act	:	On TSCA Inventory
Australia. Industrial Chemical (Notification and Assessment) Act	:	On the inventory, or in compliance with the inventory
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	:	All components of this product are on the Canadian DSL.
Japan. Kashin-Hou Law List	:	On the inventory, or in compliance with the inventory
Korea. Toxic Chemical Control Law (TCCL) List	:	On the inventory, or in compliance with the inventory
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	:	On the inventory, or in compliance with the inventory
China. Inventory of Existing Chemical Substances	:	On the inventory, or in compliance with the inventory
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand	:	On the inventory, or in compliance with the inventory

National regulatory information

US. EPA CERCLA Hazardous Substances (40 CFR 302)	:	The following component(s) of this product is/are subject to release reporting under 40 CFR 302 when release exceeds the Reportable Quantity (RQ): Reportable quantity: 5000 lbs

: Methanol 67-56-1

SARA 302 Components : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components : The following components are subject to reporting levels established by SARA Title III, Section 313:
: Methanol 67-56-1

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard
Chronic Health Hazard

CERCLA Reportable Quantity : 5000 lbs

California Prop. 65 : WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
Methanol 67-56-1

Massachusetts RTK : Methanol 67-56-1

New Jersey RTK : Methanol 67-56-1

Pennsylvania RTK : Methanol 67-56-1

WHMIS Classification : B2: Flammable liquid
D1B: Toxic Material Causing Immediate and Serious Toxic Effects
D2A: Very Toxic Material Causing Other Toxic Effects
D2B: Toxic Material Causing Other Toxic Effects
This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16. OTHER INFORMATION

		HMIS III	NFPA
Health hazard	:	2*	1
Flammability	:	3	3
Physical Hazard	:	0	
Instability	:		0

* - Chronic health hazard

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.
Previous Issue Date: 03/19/2014
Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group

SAFETY DATA SHEET

1. Identification

Product identifier: NITRIC ACID

Other means of identification

Synonyms: Aqua Fortis, Azotic Acid

Product No.: 9604, V471, V231, V230, V077, 6623, 2712, 2707, 2706, 2704, H988, 5876, 5856, 5801, 5796, 1409, 9761, 9670, 9618, 9617, 9616, 9615, 9612, 9607, 9606, 9601, 9598, 9597, 5371, 20758, 20754, 20752, 20750

Recommended use and restriction on use

Recommended use: Not available.

Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company Name:	Avantor Performance Materials, Inc.
Address:	3477 Corporate Parkway, Suite 200 Center Valley, PA 18034
Telephone:	Customer Service: 855-282-6867
Fax:	
Contact Person:	Environmental Health & Safety
e-mail:	info@avantormaterials.com

Emergency telephone number:

24 Hour Emergency: 908-859-2151

Chemtrec: 800-424-9300

2. Hazard(s) identification

Hazard classification

Physical hazards

Oxidizing liquids	Category 3
Corrosive to metals	Category 1

Health hazards

Skin corrosion/irritation	Category 1A

Unknown toxicity

Acute toxicity, oral	65 %
Acute toxicity, dermal	65 %
Acute toxicity, inhalation, vapor	100 %
Acute toxicity, inhalation, dust or mist	100 %

Unknown toxicity

Acute hazards to the aquatic environment	65 %
Chronic hazards to the aquatic environment	65 %

Label elements

Hazard symbol:



Signal word: Danger

Hazard statement: May intensify fire; oxidizer.
May be corrosive to metals.
Causes severe skin burns and eye damage.

Precautionary statement

Prevention: Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Keep only in original container. Keep away from heat. Keep/Store away from clothing/combustible materials. Take any precaution to avoid mixing with combustibles. Use only outdoors or in a well-ventilated area.

Response: In case of fire: Use water spray, foam, dry powder or carbon dioxide for extinction. Immediately call a POISON CENTER/doctor. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Absorb spillage to prevent material damage.

Storage: Store locked up. Store in corrosive resistant container with a resistant inner liner. Store in a well-ventilated place. Keep container tightly closed.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification: None.

3. Composition/information on ingredients

Mixtures

Chemical identity	Common name and synonyms	CAS number	Content in percent (%)*
NITRIC ACID		7697-37-2	65 - 70%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

General information: Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.

Ingestion: Call a physician or poison control center immediately. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Inhalation:	Move to fresh air. Call a physician or poison control center immediately. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen.
Skin contact:	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician or poison control center immediately. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.
Eye contact:	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately. In case of irritation from airborne exposure, move to fresh air. Get medical attention immediately.

Most important symptoms/effects, acute and delayed

Symptoms:	Corrosive to skin and eyes. Causes digestive tract burns. Spray mists may cause respiratory tract irritation.

Indication of immediate medical attention and special treatment needed

Treatment:	Treat symptomatically. Symptoms may be delayed.

5. Fire-fighting measures

General fire hazards:	Strong oxidizer - contact with other material may cause fire.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Water spray, fog, CO_2, dry chemical, or regular foam.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the chemical:	Oxidizing Contact with combustible material may cause fire. Fire may produce irritating, corrosive and/or toxic gases.

Special protective equipment and precautions for firefighters

Special fire fighting procedures:	Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to flames with water until well after the fire is out.
Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Keep unauthorized personnel away. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Methods and material for containment and cleaning up: Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if possible without any risk. Do not absorb in sawdust or other combustible materials. Absorb spill with vermiculite or other inert material. Collect in a non-combustible container for prompt disposal. Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal.

Notification Procedures: Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. Inform authorities if large amounts are involved.

Environmental precautions: Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling: Keep away from combustible material. Do not get in eyes, on skin, on clothing. Wash hands thoroughly after handling. Do not eat, drink or smoke when using the product. Do not taste or swallow. Never add water to acid! Never pour water into acid/base. Dilute by slowly pouring the product into water while stirring.

Conditions for safe storage, including any incompatibilities: Do not store in metal containers. Store away from heat and light. Keep away from combustible material. Keep containers closed when not in use. Store in a cool, dry place. Keep container in a well-ventilated place.

8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Chemical identity	Type	Exposure Limit values		Source
NITRIC ACID	TWA	2 ppm		US. ACGIH Threshold Limit Values (2011)
	STEL	4 ppm		US. ACGIH Threshold Limit Values (2011)
	STEL	4 ppm	10 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	REL	2 ppm	5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	2 ppm	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	2 ppm	5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	4 ppm	10 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)

Appropriate engineering controls No data available.

Individual protection measures, such as personal protective equipment

General information: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area.

Eye/face protection: Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection

Hand protection: Chemical resistant gloves

Other:	Wear suitable protective clothing.
Respiratory protection:	In case of inadequate ventilation use suitable respirator. Chemical respirator with acid gas cartridge.
Hygiene measures:	Provide eyewash station and safety shower. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9. Physical and chemical properties

Appearance

Physical state:	Liquid
Form:	Liquid
Color:	Colorless to slightly yellow
Odor:	Pungent
Odor threshold:	No data available.
pH:	1 (0.1 molar aqueous solution)
Melting point/freezing point:	-42 °C
Initial boiling point and boiling range:	122 °C
Flash Point:	Not applicable
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	6.4 kPa
Vapor density:	2.5
Relative density:	1.41 (20 °C)
Solubility(ies)	
Solubility in water:	Soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	Reacts violently with strong alkaline substances.
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization does not occur. Decomposes on heating.
Conditions to avoid:	Reacts violently with strong alkaline substances. Avoid contact with strong reducing agents. Excessive heat. Contact with incompatible materials.
Incompatible materials:	Alcohols. Reducing agents. Metals. Alkalies.
Hazardous decomposition products:	Nitrogen Oxides By heating and fire, corrosive vapors/gases may be formed.

11. Toxicological information

Information on likely routes of exposure

Ingestion: May cause burns of the gastrointestinal tract if swallowed.

Inhalation: May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

Skin contact: Causes severe skin burns.

Eye contact: Causes serious eye damage.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: No data available.

Dermal

Product: No data available.

Inhalation

Product: No data available.

Specified substance(s):

NITRIC ACID — LC 50 (Rat, 4 h): 65 mg/l

Repeated dose toxicity

Product: No data available.

Skin corrosion/irritation

Product: Causes severe skin burns.

Serious eye damage/eye irritation

Product: Causes serious eye damage.

Respiratory or skin sensitization

Product: Not a skin nor a respiratory sensitizer.

Carcinogenicity

Product: This substance has no evidence of carcinogenic properties.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:
No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):
No carcinogenic components identified

Germ cell mutagenicity

In vitro
Product: No mutagenic components identified

In vivo
Product: No mutagenic components identified

Reproductive toxicity
Product: No components toxic to reproduction

Specific target organ toxicity - single exposure
Product: None known.

Specific target organ toxicity - repeated exposure
Product: None known.

Aspiration hazard
Product: Not classified

Other effects: None known.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish
Product: No data available.

Specified substance(s):
NITRIC ACID — LC 50 (Fish, 48 h): 100 - 330 mg/l Mortality

Aquatic invertebrates
Product: No data available.

Specified substance(s):
NITRIC ACID — LC 50 (Cockle (Cerastoderma edule), 48 h): 330 - 1,000 mg/l Mortality
LC 50 (Green or European shore crab (Carcinus maenas), 48 h): 180 mg/l Mortality

Chronic hazards to the aquatic environment:

Fish
Product: No data available.

Aquatic invertebrates
Product: No data available.

Toxicity to Aquatic Plants
Product: No data available.

Persistence and degradability

Biodegradation
Product: Expected to be readily biodegradable.

BOD/COD ratio
Product: No data available.

Bioaccumulative potential
Bioconcentration factor (BCF)
Product: No data available on bioaccumulation.

Partition coefficient n-octanol / water (log Kow)
Product: No data available.

Mobility in soil: The product is water soluble and may spread in water systems.

Other adverse effects: The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

13. Disposal considerations

Disposal instructions: Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN number:	UN 2031
UN proper shipping name:	Nitric acid
Transport hazard class(es)	
Class(es):	8, 5.1
Label(s):	8, 5.1
Packing group:	II
Marine Pollutant:	No

IMDG

UN number:	UN 2031
UN proper shipping name:	NITRIC ACID
Transport hazard class(es)	
Class(es):	8, 5.1
Label(s):	8, 5.1
EmS No.:	F-A, S-Q
Packing group:	II
Marine Pollutant:	No

IATA

UN number:	UN 2031
Proper Shipping Name:	Nitric acid
Transport hazard class(es):	
Class(es):	8, 5.1
Label(s):	8, 5.1
Marine Pollutant:	No
Packing group:	II

15. Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):
NITRIC ACID Reportable quantity: 1000 lbs.

Superfund amendments and reauthorization act of 1986 (SARA)

Hazard categories

X	Acute (Immediate)	X	Chronic (Delayed)	X	Fire		Reactive		Pressure Generating

SARA 302 Extremely hazardous substance

Chemical identity	RQ	Threshold Planning Quantity
NITRIC ACID	1000 lbs.	1000 lbs.

SARA 304 Emergency release notification

Chemical identity	RQ
NITRIC ACID	1000 lbs.

SARA 311/312 Hazardous chemical

Chemical identity	Threshold Planning Quantity
NITRIC ACID	500lbs

SARA 313 (TRI reporting)

Chemical identity	Reporting threshold for other users	Reporting threshold for manufacturing and processing
NITRIC ACID	10000 lbs	25000 lbs.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

NITRIC ACID Reportable quantity: 1000 lbs.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

NITRIC ACID Threshold quantity: 15000 lbs

US state regulations

US. California Proposition 65

No ingredient regulated by CA Prop 65 present.

US. New Jersey Worker and Community Right-to-Know Act

NITRIC ACID Listed

US. Massachusetts RTK - Substance List

NITRIC ACID Listed

US. Pennsylvania RTK - Hazardous Substances

NITRIC ACID Listed

US. Rhode Island RTK

NITRIC ACID Listed

Inventory Status:

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	On or in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.

16.Other information, including date of preparation or last revision

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe
OXY: Oxidizer

Issue date:	06-04-2014
Revision date:	No data available.
Version #:	2.0
Further information:	No data available.

Disclaimer:

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Attachment 5

Employee Exposure/Injury
Incident Report

Employee Exposure/Injury Incident Report

(completed by the CHSM or designee)

Employee:		
Office or field location:		
Incident:		
Potential or known exposure (describe):		
Physical injury or illness (describe):		
Location (city and state):	Project and Contract No.	
Date of incident:	Time of incident:	
Date incident reported:	Person to whom incident was reported:	
Weather condition during incident:	Temperature:	Precipitation:
Wind speed and direction:	Cloud cover:	
Name of materials potentially encountered (chemical exposure):		
Chemical and phase (i.e., liquid, solid, gas, vapor, fume, mist), radiological, etc.:		
Describe the exposure/injury in detail and the parts of the body affected (attach extra sheets if necessary):		
Describe exact location where the incident occurred:		
What was the employee doing when the exposure/injury occurred? (Describe briefly as Refractories reconnaissance, soil sampling, etc.):		

How did the incident occur? Describe fully the factors that led to or contributed to the incident:				
Was medical treatment given? ☐ Yes ☐ No If yes, when?				
By whom?		Name of paramedic:		
		Name of physician:		
		Other:		
Where?	On Refractories		Off Refractories	
If off Refractories, name of hospital or clinic:				
Length of inpatient stay (dates):				
Was Integral management notified? ☐ Yes ☐ No If yes, when?				
Name and title of manager(s) notified:				
Did the exposure/injury result in permanent disability or death? ☐ Yes ☐ No				
If yes, explain:				
Number of days away from work		Number of days of restricted work activity:		
Has the employee returned to work? (Yes / No) If yes, date:				
Names of other persons affected during the incident:				
Names of persons who witnessed the incident:				
Name and title of field team leader or immediate supervisor at Refractories:				
Was the operation being conducted under an established safety plan? ☐ Yes ☐ No				

If yes, attach a copy. If no, explain:	
Was personal protective equipment (PPE) used by the employee? ☐ Yes ☐ No	
If yes, list items:	
Did any limitations in safety equipment or PPE affect or contribute to exposure? ☐ Yes ☐ No	
If yes, explain:	

Attachments to this report:		Medical report(s) (if not confidential)		Health and safety plan
		Other relevant information		

Employee's signature		Date
Site safety officer's signature		Date
Project manager's signature		Date

Corporate health and safety manager review and comments

Corrective action/procedure changes carried out on the project:
Corrective actions to be taken to prevent similar incidents at other locations:

Corporate Health and Safety Manager's signature		Date

Attachment 6

Near Miss Incident Report

Near-Miss Incident Report

(completed by field staff)

Employee:			
Office or Refractories location:			
Near-Miss Incident (check one or more): Exposure ☐ Physical injury ☐ Property damage ☐			
Location (city and state):		Project and Contract No.	
Date of incident:		Time of incident:	
Fully describe the incident, including how it happened, persons involved, if chemicals were involved in the incident, etc.:			
Was the operation being conducted under an established safety plan? ☐ Yes ☐ No			
If yes, attach a copy. If no, explain:			

Employee's signature	Date
Project Manager's signature	Date
Refractories safety officer's signature	Date

Corporate health and safety manager review and comments

Corrective action/procedure changes carried out at the Site:		
Corrective actions to be taken to prevent similar incidents at other locations:		
Corporate Health and Safety Manager's signature		Date

Attachment 7

Field Safety Tailgate Briefing Form

integral consulting inc.

October 2023

Field Safety Tailgate Briefing Form

Date:		Project name:		Project number:	
Meeting convenor:		Site safety officer:		Project manager:	

Items discussed (check all that apply):

- ☐ HSP review and location
- ☐ Lines of authority
- ☐ Chemical hazards and exposure routes
- ☐ Flammable hazards
- ☐ Lifting techniques
- ☐ Buddy system
- ☐ Self and coworker monitoring
- ☐ Biological/plant/animal hazards
- ☐ Slips, trips, and falls
- ☐ Heat and cold stress
- ☐ Overhead hazards
- ☐ Vessel safety protocols
- ☐ Proper use of PPE
- ☐ Safety equipment location
- ☐ Proper safety equipment use
- ☐ Fire extinguisher location
- ☐ Eye wash station location
- ☐ Emergency procedures and evacuation route
- ☐ Directions to hospital
- ☐ Emergency decontamination procedures
- ☐ Site communication
- ☐ Work zones
- ☐ Vehicle safety and driving/road conditions
- ☐ Other: _____

Daily work scope:

Site-specific hazards:

Weather conditions:

Field staff health and safety concerns:

Attendees	
Printed Name	Signature

APPENDIX H
COMMUNITY AIR MONITORING PLAN

COMMUNITY AIR MONITORING PLAN

This community air monitoring plan (CAMP) has been prepared by Integral Engineering, P.C. on behalf of Corning Incorporated to detail the dust control and air monitoring procedures to be performed during construction activities at the Tioga Avenue Site, located at 152–182 East Tioga Avenue within the City of Corning, New York (Site). The Site is located along the north side of East Tioga Avenue and is bounded to north by railroad tracks and a flood control berm, and to the east by Steuben Street. This CAMP is included as Appendix H, supplementing the Tioga Avenue Site Management Plan.

METHODS AND MITIGATION

Perimeter air monitoring generally will be conducted at two stations. One upwind and one downwind station will be established in the vicinity of construction activities that have the potential to disturb and mobilize soil particulate matter and/or volatile organic compounds (VOCs). These are theoretical "stations" and may either be personnel with a mobile dust monitor and photoionization detector (PID) collecting data at a specified interval, or a semi-permanent but mobile fixture. The upwind and downwind locations will be modified as conditions warrant and placed in an area representative of air quality conditions.

Work will be generally conducted from Monday through Friday during business hours, 8 a.m. to 6 p.m. No visible dust will leave the work area, and the measures described below will ensure the safety of personnel and the community.

Dust barriers may be implemented if work is planned in the immediate vicinity (within 20 ft) of residential dwellings. Water may be used for dust suppression where circumstances arise warranting such measures. Windy conditions, increased vehicle traffic, and subsurface excavation activities can cause increased suspension of particulate matter. Temporary stop work orders may be issued if conditions warrant.

Particulate monitoring is the measurement of fine particles that can include dust, smoke, and other particulate matter with a diameter less than or equal to 10 microns, also known as PM_{10}. Air monitoring will be performed during activities that have the potential to disturb the subsurface and suspend particles. To accurately measure PM_{10}, a device such as miniRAM™, dataRAM™, sidePAK™, DustTrak™, or equivalent will be used. The selected equipment will perform within the range of specifications outlined in the New York State

Department of Environmental Conservation (NYSDEC) DER-10 *Technical Guidance for Site Investigation and Remediation* (NYSDEC 2010)[1].

CALIBRATION

Calibration of monitoring equipment will be performed on a daily basis prior to the start of intrusive work activities. Calibration data will be documented appropriately.

DOCUMENTATION

Data collection during monitoring will be used to provide personnel with real-time information about air quality and enable prompt mitigation actions to be undertaken if certain action levels are exceeded (outlined below in the "Action Levels" section). Data will be logged on appropriate field forms approximately every 30 minutes, or more frequently as conditions warrant during the monitoring program. Data will be provided to the regulatory agency either weekly or daily in the event action levels are exceeded and protective actions undertaken. Exceedances will be reported to NYSDEC and the New York State Department of Health (NYSDOH) within 12 hours along with the reason for the exceedance, what was done to correct it, and whether the correction action was effective. Reporting associated with daily CAMP activities will be conducted in accordance with NYSDEC DER-10 *Technical Guidance for Site Investigation and Remediation* (NYSDEC 2010).

ACTION LEVELS

The following action levels are based on NYSDEC recommendations. Any exceedance of these action levels is an indicator that excessive PM_{10} or VOC migration may be taking place and will prompt immediate mitigation activities.

[1] NYSDEC. 2010. DER-10, Technical Guidance for Site Investigation and Remediation. New York State Department of Environmental Conservation, Division of Environmental Remediation. Updated May 3, 2010.

Concentration as Measured at Downwind Location	Duration	Action
100 µg/m^3 greater than background (upwind location) (PM_{10})	15 minutes sustained	Implement engineering control(s).
150 µg/m^3 greater than background (upwind location) (PM_{10})	Instantaneous	Stop work and reevaluate engineering control(s).
5 ppm above background (VOCs)	15-minute average	Halt activities and continue monitoring. Resume activities if level drops.
Greater than 5 but less than 25 ppm above background (VOCs)	15-minute average	Halt activities, identify vapor source, take corrective actions, and continue monitoring. Resume activities when level drops.
Greater than 25 ppm above background (VOCs)	Instantaneous	Shut down work.

Notes:
ppm = parts per million
VOC = volatile organic compound

The Site safety officer and other personnel have the ability to stop work at any time if conditions warrant such action. The corporate health and safety manager and/or project manager may be consulted for feedback on mitigation actions as appropriate. The corporate health and safety manager and project manager will be informed of adverse conditions where mitigation is necessary in order to provide feedback and improvement to processes.

PROXIMITY TO RECEPTORS

To the extent possible, intrusive investigative work will not be conducted within 20 ft of potential receptors. In the event that work areas are within 20 ft of potentially exposed populations or occupied structures, the continuous monitoring locations will reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor/dust barriers, temporary negative-pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and control dust and odors. Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 ppm, monitoring will occur within the occupied structure(s). Depending upon the nature of contamination, chemical-specific colorimetric tubes of sufficient sensitivity may be necessary for comparing the exposure point concentrations with appropriate pre-determined response levels. Background readings in the occupied spaces will be taken prior to commencement of planned work within 20 ft of occupied spaces. Any unusual background readings will be discussed with NYSDOH prior to commencement of the work.

If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 $\mu g/m^3$, work activities will be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 $\mu g/m^3$ or less at the monitoring point.

Depending upon the nature of contamination and activities, other parameters (e.g., explosivity, oxygen, hydrogen sulfide, carbon monoxide) may also need to be monitored. Response levels and actions should be pre-determined, as necessary, for each site.