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February 20, 2009

Todd M. Caffoe, P.E.
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Avon, New York 14414

Brownfield Cleanup Program (BCP): E.I. DuPont de Nemours and Company
DuPont Driving Park Facility
666 Driving Park, Rochester, New York
Remedial Investigation Report
Index # B8-0735-07-01
Site #C828142

Dear Mr. Caffoe:

Enclosed please find two copies of the draft Remedial Investigation (RI) Report for the above titled site. Submittal of this report meets the requirements of the Brownfield Site Cleanup agreement dated May 17, 2007 and was prepared in accordance with ECL 27-1417.

Although some minor field tasks remain, results of the RI received to date support that any remaining data gaps (e.g. groundwater quality and flow) have been addressed and that elevated metals concentrations in soil directly adjacent to select former process areas have been delineated.

Please contact me at (716) 278-5496 if you have any questions or comments regarding this submittal.

Sincerely,

CORPORATE REMEDIATION GROUP

Paul F. Mazierski
Project Director

PFM/mac
Enc.
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REMEDIAL INVESTIGATION REPORT
DUPONT 666 DRIVING PARK SITE
ROCHESTER, NEW YORK
BCP SITE NO: C828142

Date: February 2009

Project No.: 507463
18983731.07008

CORPORATE REMEDIATION GROUP
An Alliance between
DuPont and URS Diamond

Barley Mill Plaza, Building 19
Wilmington, Delaware 19805

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ACRONYMS

Acronym	Explanation
AOC	Area of Concern
ASTM	American Society for Testing and Materials
BCA	Brownfield Site Cleanup Agreement
BCP	Brownfield Site Cleanup Program
bgs	below ground surface
CB	Catch Basin
cm/sec	centimeters per second
COC	Constituent of Concern
COPC	Constituents of Potential Concern
DERS	DuPont Environmental Remediation Services
DuPont	E. I. du Pont de Nemours and Company
DUSR	Data Usability Summary Report
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
GA	NYSDEC GA (groundwater classification for a source that is suitable for drinking water)
MW	Monitoring Well
NYSDOH	New York State Department of Health
NYSDEC	New York State Department of Environmental Conservation
NYSDEC ASP	New York State Department of Environmental Conservation Analytical Services Protocol
NTU	Nephelometric Turbidity Units
PAHs	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
PFOA	Perfluorooctanoic Acid
PID	Photoionization Detector
PPE	Personal Protective Equipment
PPH	Protection of Public Health
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
RMP	Rochester Main Plant
SB	Soil Boring
SCOs	Soil Cleanup Objectives
SVOC	Semi-Volatile Organic Compound
SWMU	Solid Waste Management Units
TAGM	Technical Administrative Guidance Memorandum
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TOGS	Technical and Operational Guidance Series
TP	Test Pit
TSCA	Toxic Substances Control Act
URSD	URS Diamond
VOC	Volatile Organic Compound

EXECUTIVE SUMMARY

The Remedial Investigation (RI) of the DuPont 666 Driving Park Site located in Rochester, New York was completed in accordance with the approved Remedial Investigation Work Plan (RIWP) dated May 12, 2008 and approved by NYSDEC on June 23, 2008. One of the main objectives of the RI was to fill data gaps from previous investigations to meet the following objectives:

- Determine the nature and extent of contamination in the media investigated
- Delineate sources(s) of contamination
- Assess the impact of contamination on the public and/or the environment
- Assess whether there is a potential concern for exposure to contamination for the public and/or the environment
- Provide information to support the Development of a Remedial Action Work Plan to address the contamination

This Remedial Investigation Report (RIR) meets the requirements of the Brownfield Site Cleanup Agreement (BCA) that DuPont entered into with the New York State Department of Environmental Conservation (NYSDEC) (Site #C828142).

Previous investigations at the site indicated that surface and subsurface soils that have reported concentrations of constituents that exceed BCP Restricted Residential (BCP RR) criteria can be split into two categories:

1. Constituents, dominantly polyaromatic hydrocarbons (PAHs), associated with historic fill beneath the site that does not appear to be related to former production areas, and
2. Inorganic constituents, namely silver, cadmium, and lead, which exceed the BCP RR criteria directly adjacent to select former process areas and/or structures (sumps/pits).

Results of the RI confirmed these conclusions and assisted in delineating the extent of soils effected by the former process areas. Soil sample results, particularly those associated with former process areas in the southern portion of the property, contain cadmium, lead, and silver at levels above BCP RR cleanup levels. PAHs, unrelated to former processes, are also present occasionally in soils at levels above cleanup criteria. Soils in the northern portion of the site indicate PAHs and to a lesser degree arsenic and lead at levels above cleanup criteria. For the most part, soil samples with constituents above cleanup criteria were collected from fill materials in both the northern and southern portions of the site. Overall, native soils do not appear to have been affected by former processes or the placement of fill material. A total of six former process areas have been shown to have adjacent soils that exceed the BCP RR criteria. Four of those former process areas (Areas 3, 6, 7, and 8) were delineated during this RI. Completion of delineation in Area 2 will be conducted during the next groundwater sampling round. Area 4 delineation had been completed during previous investigations.

The RI confirmed the absence of groundwater in the overburden and determined that the upper bedrock has a low hydraulic conductivity. Hydraulic monitoring indicates

predominant groundwater flow direction to the north and suggests a hydraulic connection to off-site sewers that are constructed into bedrock. To complete the groundwater monitoring portion of this RI, further evaluation is planned to determine the significance of this connection. Analytical results from two of the eight monitoring wells reported chlorinated VOCs above NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1. criteria. Site records, indicating the use of only alcohol-based solvents and the location of exceedances, suggest an off-site source. Groundwater use is prohibited by a City of Rochester ordinance. Additional monitoring will support the premise that the site does not contain a groundwater source and that contamination is not migrating offsite.

A qualitative human health exposure assessment and a fish and wildlife resources impact analysis were completed to evaluate whether the site poses an existing or potential hazard to the exposed or potentially exposed receptors. The human health exposure assessment identified complete exposure pathways for soil under both current and future land use. However, it is not reasonably expected that the potential complete exposure pathways at the site would be significant. The fish and wildlife resource impact analysis indicated that no further consideration of impacts to ecological receptors is warranted. Based on these analyses, the site does not pose an existing or potential hazard to potentially exposed human or ecological receptors.

The following tasks are planned for completion by the end of May 2009 to complete RI activities at the site:

- Additional soil sampling to fully delineate the extent of metals which exceed BCP RR criteria in soils north of Area 2.
- Continued hydraulic monitoring to better understand the effect of off-site sewers on groundwater flow.
- Complete an additional round of groundwater sampling using the modified parameter list proposed in correspondence date January 30, 2009.

1.0 INTRODUCTION

The DuPont 666 Driving Park site (site) is a former manufacturing facility that was operated by E. I. du Pont de Nemours and Company (DuPont) and others to produce photographic film and paper. The plant was dismantled, and structures were removed in 1996 after DuPont ceased operations in 1995. Site investigations were completed in 1996 and 2001 through 2003 to assess potential impacts to site soils and, to a limited extent, groundwater. Results from previous investigations indicated that elevated metals in soils, predominately in the former process areas, and polycyclic aromatic hydrocarbons (PAHs) appeared to be indicative of fill rather than historical site activities.

This Remedial Investigation Report (RIR) has been prepared by URS Diamond (URSD) on behalf of DuPont for the 666 Driving Park site located in the City of Rochester, Monroe County, New York. This RIR meets the requirements of the Brownfield Site Cleanup Agreement (BCA) that DuPont entered into with the New York State Department of Environmental Conservation (NYSDEC) (Site #C828142). The Remedial Investigation (RI) was completed in accordance with the Remedial Investigation Work Plan (RIWP) (DuPont, 2008). The current use of the site is classified as vacant. At the time the RIWP was prepared it was assumed that the intended reuse of the site would be active recreational. In accordance with the BCA, the report was prepared under the assumption that the site will be redeveloped for restricted residential use.

1.1 RIR Purpose

The purpose of this RIR is to present and discuss data collected under the approved RIWP. The focus of the RI was to fill data gaps from previous investigations to meet the following objectives:

- Determine the nature and extent of contamination in the media investigated
- Identify the sources(s) of contamination
- Assess whether there is a potential concern for exposure to contamination for the public and/or the environment
- Provide information to support the Development of a Remedial Action Work Plan to address the contamination

In accordance with the Draft Technical Guidance for Site Investigation and Remediation (DER-10) (NYSDEC, 2002), this report addresses the following:

- A site setting description including surrounding land use, site topography, geology, and hydrogeology
- A summary of site characterization efforts completed prior to the RI
- Identification and delineation of contamination sources
- Description of the amount, concentration, phase, and location of the contamination

- Description of hydrogeological factors
- A qualitative exposure assessment

1.2 Report Organization

This RI report is organized as follows:

- Section 1.0 presents the report objectives and organization.
- Section 2.0 presents site background, including operational history, site setting, and conceptual redevelopment options.
- Section 3.0 describes previous investigations and their results.
- Section 4.0 describes the objectives, scope, and rationale of the RI and a discussion of RI findings.
- Section 5.0 presents the qualitative exposure assessment.
- Section 6.0 summarizes the RI conclusions and recommendations.
- Section 7.0 provides the references cited in this report.

2.0 SITE HISTORY AND BACKGROUND

2.1 Site Location

DuPont owns a parcel of land referred to as the DuPont Driving Park site located at 666 Driving Park, Rochester, New York. Prior to its manufacturing use, the site was used as a fairground and park land. In approximately 1895, Defender Photo Supply Company (Defender) constructed facilities at the site to manufacture photographic supplies. DuPont purchased the facility and property from the Defender in 1945. The 1945 purchase included the southern portion of the site where Defender established process facilities. Between 1965 and 1985 DuPont purchased parcel on the northern portion of the property. DuPont ceased operation of the facility in 1995 and demolished site structures in 1996. The site has been vacant since the demolition. Figure 2-1 shows the site location, and Figure 2-2 provides a historical map of the site.

2.2 Site Operational and Manufacturing History

The DuPont 666 Driving Park site was used for the production of photographic film and paper from the early 1900s until its closure in 1995. Photographic film production involved the use of emulsions predominantly composed of silver and, to a lesser degree, cadmium, lead, and mercury. Metal-containing emulsions were transferred from the process wastewater treatment facility via pipes, most of which were contained in a subsurface concrete trench.

2.3 Site Setting

2.3.1 Site Description and Topography

The site is approximately 10 acres and is bounded to the east and north by residential areas, with industrial areas south of the site. The western side of the site is bounded by an active railroad line that has been in operation since the 1890s. An inactive railroad spur is located immediately west of the property, extends along the entire western side, and is believed to be the property of the Consolidated Rail Company. The site is currently vacant and secured by an 8-foot chain-link/barbed-wire fence. Ground cover at the site is predominately paved and gravel-covered. Vegetation on-site is limited to sparse grass growth in the cracks of pavement also within the gravel areas. No trees or shrubs are present onsite. There are no surface water features on or immediately adjacent to the site.

The site is periodically used by the City of Rochester for stockpiling snow and temporarily storing vehicles removed from city streets to allow for snow removal. Routine site inspections are conducted to identify any maintenance needs, helping to restrict unauthorized access to the site. Compromised portions of the site fence were repaired before the RI began. Routine site inspections that began during the RI will continue throughout the BCA process. Site inspection reports are provided in Appendix A.

The southern portion of the site, where former plant structures were located, is partially covered by gravel that was placed there after plant decommissioning. The northern portion of the site has not changed significantly since the plant was closed. The entire northern parcel is covered with asphalt and was used for employee parking when the plant was operational. The asphalt pavement contains numerous cracks and vegetative growth. The routine site inspections include an assessment of the pavement and identify areas where grass cutting is needed.

Plant structures shown in Figure 2-2 (wastewater trench system and sumps) were filled with demolition debris during plant decommissioning. Test pits completed during the 2001 investigation determined that the trenches are constructed of concrete and are approximately 7 feet deep with 12-inch thick walls. The trenches contained the wastewater piping and utility lines such as steam lines. Concrete foundations and floors from the former buildings are exposed at the surface at a few locations.

As shown in Figure 2-3, the ground surface elevation in the former process area in the southern portion of the site is approximately 8 feet higher than the paved area in the northern portion of the site. Surface-water runoff is managed by stormwater catch basins and sewer lines located in the northern portion of the site in the former parking area. Based on site topography, surface water flows generally to the north, although there is a small component of flow to the east in the southeastern corner of the site. The City of Rochester conducted a comprehensive land survey in 2008. Site drawings prepared from that survey are provided in Appendix B.

2.3.2 Site Geology

Based on subsurface information collected during the RI and previous investigations, the site has the following three stratigraphic layers: fill, native soils (glacial till), and weathered bedrock.

The fill in the former process areas in the southern portion of the site consists primarily of construction and demolition debris (concrete, brick, gravel, and cinders). Fill in the northern portion of the site consisted of reworked soils containing varying amounts of, wood, slag, sand, and gravel. Unlike the fill in the southern portion of the site, fill in the northern parcel is discontinuous and not as deep. It is present above the native soils across most of the site, particularly in areas where demolition has occurred. In portions of the former process area, the fill directly overlays the bedrock, whereas native soil occurs between the fill and bedrock in the northern portion of the site. The fill material contains little to no water, except limited areas of perched water associated with former plant structures (including sumps and concrete trenches).

Native soils consist of tan to light-brown silt with trace amounts of fine sand (glacial till). The till deposits range from 5 feet thick on the southern portion of the site to greater than 13 feet thick on the northern portion of the site. The soils contain little to no moisture, with soil consistency logged as dense to hard.

The site is underlain by the Rochester Shale bedrock and is estimated to be approximately 80 to 100 feet thick. The depth to bedrock at the site varies from approximately 4 feet on the southern end of the site to approximately 12 feet in the northern portion of the site. Based on observations made during the installation of the monitoring wells, the top 3 to 5

feet of bedrock was weathered. Groundwater was not observed in the weathered bedrock.

2.3.3 Site Hydrogeology

Soil boring logs indicate that groundwater is not present in the overburden. However, limited perched water was encountered within former plant structures (i.e., concrete sumps and trenches). Based on available information, regional bedrock groundwater flow is toward the north-northeast. Groundwater investigations conducted under a NYSDEC Order on Consent at the Delphi site, located less than one-half mile southwest of the DuPont 666 Driving Park site, indicate groundwater flow to the north-northeast (Haley & Aldrich, 2005). Although the Lockport Formation is capable of moderate water supply, groundwater is not used for drinking-water purposes in the Rochester area. Drinking water for the Rochester area is drawn from Lake Ontario, Hemlock Lake, and upland reservoirs. Groundwater use is prohibited by a City of Rochester ordinance.

A total of eight monitoring wells have been installed at the site (MW-01 through MW-07 and MW-09). MW-01, located in the northern portion of the site (see Figure 2-2), was installed in September 2003 to characterize groundwater quality at the site. The well was located north of the former process areas; north was assumed to be downgradient based on regional groundwater flow data available at the time. The well was constructed as an open rock hole that monitors the top of competent bedrock. Monitoring wells MW-02 through MW-07 and MW-09 were installed in August 2008.

There are a number of manmade subsurface structures in close proximity to the site that appear to impose a localized influence of groundwater gradients and flow direction. These structures include a 21-inch combined sewer south of the site beneath Driving Park Avenue, portions of which are constructed in bedrock. A buried section of the former Erie Canal, also constructed in bedrock, is located south of the site between Driving Park and Lexington Avenue. An additional discussion of the manmade influences is provided in Section 4.3.

2.4 Site Redevelopment and Conceptual Remedial Measures

In 2006, DuPont was contacted by a number of local youth athletic organizations that expressed an interest in having the 666 Driving Park site redeveloped for use as athletic fields. Prompted by this interest, DuPont began discussions with the City of Rochester, wherein DuPont proposed completing remediation of the site under the Brownfield Cleanup Program (BCP) with the City of Rochester taking ownership of the property upon completion of the remediation. The executed BCA between DuPont and the NYSDEC calls for the completion of a restricted residential-type remedy that would permit active recreational use of the site.

3.0 PREVIOUS INVESTIGATIONS AND RESULTS

After the site was decommissioned, various environmental investigations were performed, as shown on the table below.

Investigation Name	Investigation Date	Media	No. of Soil Borings
Main Plant (Phase 2)	October 1996	Soil/Fill	15
Supplemental Site Investigation*	September 2001	Soil/Fill	10 borings 7 test pits
Phase 1 Soil Delineation & TCLP+ Sampling*	November 2002	Soil/Fill	63
Phase 2 Characterization*	September 2003	Soil/Fill and Groundwater	55

*Data usability summary reports (DUSRs) provided to NYSDEC
+Toxicity Characteristic Leaching Procedure

Boring and test pit locations completed during previous investigations are shown on Figure 2-2. Sample results are provided in Appendix C. A summary of the scope and findings of the previous investigations is as follows:

- The 1996 investigation was conducted by DuPont Environmental Remediation Services (DERS).
- Subsequent investigations were conducted by URSD on behalf of DuPont.

Prior to the site's acceptance into the BCP in March 2006, previous investigation data were evaluated using various screening criteria [NYSDEC 1998 Technical Administrative Guidance Memorandum (TAGM) 4046, Eastern U.S.A. background for metals, APCO background data for semi-volatile organic compound (SVOCs), and U.S. Environmental Protection Agency (EPA) Region IX health-based criteria]. Consistent with the BCA, the site investigation results discussed in this report are compared to the Soil Cleanup Objectives (SCOs) (NYDEC, 2006). A summary of results from previous investigations compared Part 375 restricted-residential SCOs is provided on Table 3-1.

3.1 Previous Investigations

3.1.1 1996 Main Plant Pre-Divesture Phase 2 Environmental Investigation

This investigation was conducted to evaluate potential areas of concern (AOCs) that were identified in a Phase 1 Environmental Site Assessment (ESA) (DERS, 1996). The investigation included the collection of subsurface soil samples mainly within or adjacent to former process features (concrete trench and sumps). Soil and fill samples were collected at 15 soil borings (RMP-1 through RMP-15). Borings RMP-14 and RMP-15 were installed outside the former process areas to assess site background. Samples were

analyzed for metals of potential concern (cadmium, lead, mercury, and silver) at all locations and Target Compound List (TCL) volatile organic compounds (VOCs) at select locations (RMP-12 through RMP-15). As indicated on Table 3-1, a comparison of the results to SCOs reveals only two exceedances for cadmium at sample locations RMP-2 and RMP-5.

3.1.2 2001 Supplemental Site Investigation

This investigation was completed to further define limits of contamination associated with the former process structures and to assess AOCs not previously investigated. The scope included the installation of 10 soil borings (SB-1 though SB-10) and seven test pits (TP-1 through TP-7) at locations shown in Figure 2-2. Twenty-seven soil samples were collected at the soil boring and test pit locations. Seventeen samples of fill material and native soils from the borings were analyzed for TCL VOCs, SVOCs, and Target Analyte List (TAL) metals. Ten samples were collected at the test pit locations and analyzed for SVOCs and Resource Conservation and Recovery Act (RCRA) total metals. As indicated on Table 3-1, a comparison of the results to SCOs indicates only one exceedance for cadmium and silver at sample location SB-2. Several of the fill samples contained PAHs at concentrations above SCOs. Only one native soil sample, collected at boring SB-1, had a reported PAH concentration above the SCOs. A waste characterization sample collected from the drill cuttings reported leachable cadmium above EP toxicity for this metal. The drilling cuttings were handled and disposed of as hazardous waste (waste classification D006).

3.1.3 2002 Phase 1 Soil Delineation and TCLP Sampling

The objective of this investigation was to further delineate contamination in the former plant area through the collection of several fill and soil samples using a sample grid approach. Samples collected at the center of each 60-foot by 60-foot grid cell were analyzed for TCLP metals and organics (59 samples), TAL metals, and SVOCs (50 samples). TCLP analysis was conducted because of the waste characterization sample results from the 2001 investigation. The investigation included borings to delineate specific areas of elevated metals identified from the two previous investigations. This entailed additional borings (SB-11 through SB-15) around previous boring SB-2. As indicated on Table 3-1, a comparison of the 2002 investigation results to SCOs indicates two exceedances for cadmium and silver in the fill samples collected at location D-1A and SB-15. Two samples, one from boring D-1 and one from SB-2A, exceeded TCLP criteria for cadmium.

3.1.4 2003 Phase 2 Soil Delineation

This investigation was completed to characterize the southern-most portion of the former process area, delineate fill and soil characteristics in the northwestern portion of the property at previous boring location RMP-14, and characterize groundwater in the northern portion of the site. Soil samples were analyzed for TAL metals, SVOCs (112 samples), and TCLP metals and organics (26 samples). Results of the investigation

indicated exceedances of SCOs for metals and PAHs with the greatest number of exceedances reported for the fill samples as indicated on Table 3-1.

Sampling in the vicinity of historical boring RMP-14 (borings SB-16 through SB-19 and SB-27 through SB-29) did not fully delineate the extent of fill material in the northern portion of the site. Soil samples collected at borings SB-27 through SB-29 were for observational purposes only. A comparison of the 2003 investigation results to SCOs indicates no exceedances for metals. Samples from the fill material at borings SB-16 and SB-17 reported PAHs above SCOs. Analysis of native soils at these boring locations did not report PAHs above SCOs. These boring were completed in an attempt to determine the limits of historical fill in this portion of the site. The borings did not fully determine the fill limits. The RI scope included an additional assessment in the northern portion of the site.

Monitoring well MW-01 was installed in the northern portion of the site to characterize groundwater quality downgradient of the former plant process areas. The well location was selected based on regional groundwater flow that indicated flow to the north. The 2003 sample results from MW-1 indicated no VOCs, SVOCs, or pesticides/polychlorinated biphenyls (PCBs) above NYSDEC GA groundwater criteria. Sodium and thallium were reported at concentrations above the NYSDEC GA groundwater criteria.

Samples from the previous investigations were analyzed by Lancaster Laboratories, Inc. of Lancaster, Pennsylvania. Data usability summary reports (DUSRs) were generated for the investigations noted above per *Guidance for the Development of Data Usability Summary Reports* (NYSDEC, 1999). The DUSRs were included in the November 14, 2006, *Investigation Summary* submittal to the NYSDEC, which also included sample location figures and data summary tables comparing investigation results to various screening criteria (DuPont, 2006). The submittal included a Phase 1 ESA that was completed by Bergman Associates in 2003 for the City of Rochester to identify environmental conditions associated with the property prior to potential acquisition and redevelopment (Bergman, 2003). The Phase 1 ESA revealed no evidence of recognized environmental conditions in connection with the property, with the exception of miscellaneous debris at the site and the areas identified by the DuPont environmental investigations listed above. The ESA identified potential data gaps in the DuPont characterization of the property, such as the lack of data to determine groundwater flow direction and quality and the limited characterization of the northern third of the property. The RI addressed data gaps identified in the Phase 1 ESA.

3.2 Summary of Previous Investigation Results

Results of the previous investigations reveal that the main constituents of potential concern (COPCs) at the site are metals (cadmium and silver) and PAHs. Most of the metals and PAH exceedances of the SCOs were associated with fill material.

There six areas that DuPont has identified for potential remedial action because they have elevated concentrations of metals that are potentially related to site activities. These areas were identified based on exceedances of the SCOs, consistent with the BCA and the reuse of the site under a restricted-residential scenario. The areas for potential remedial

action were re-evaluated following the site's enrollment into the BCP; hence, they differ somewhat from the areas presented to NYSDEC prior to March 2007 (DuPont, 2006).

The six areas are shown Figure 4-1. The areas are as follows:

- Area 2: boring D-1A (addresses cadmium and silver)
- Area 3: boring I-3B (addresses cadmium)
- Area 6: boring SB-15 (addresses cadmium)
- Area 7: boring RMP-5 (addresses cadmium)
- Area 8: boring F-5B (addresses silver)

Area 4 shown on Figure 4-1 has been delineated.

Based upon site historical information, investigation data, and the planned future use of the property, the following conclusions had been made and were provided in the DuPont November 2006 Investigation Summary:

- Native soils are a glacial till with no apparent water-bearing zone and are underlain by dolomitic bedrock that contains water.
- Minimal VOCs have been detected in soil samples, limited to low concentrations of acetone and methylene chloride that are not attributed to former plant processes.
- Most soil concentrations do not exceed SCOs.
- Most elevated soil concentrations, specifically PAHs, are in historic fill material and not indicative of past process activities.
- Few isolated areas of elevated metals in soil concentrations are above SCOs.
- One groundwater sample collected indicated Technical and Operational Guidance Series (TOGS) 1.1.1 exceedance for thallium and sodium.

The objective of the RI was to fill data gaps and delineate areas identified for potential remedial action through additional sampling. The previous investigation and RI results indicate that contamination from the former manufacturing activities is limited to structures and sumps, in addition, there is no pathway exists that would allow contamination to migrate offsite.

4.0 INVESTIGATION SCOPE AND RESULTS

As described in the RIWP, the RI was conducted in accordance with the Draft Technical Guidance for Site Investigation and Remediation (DER-10) (NYSDEC, 2002). Meetings with the NYSDEC, City of Rochester, and New York State Department of Health (NYSDOH) prior to and after DuPont entered into the BCP helped define the RI scope of work. The RI included the following:

- Soil sampling in the northern portion of the site to fill data gaps (full TCL organic and TAL metals analyses)
- Soil sampling in the southern portion of the site to fill data gaps and TCL/TAL samples analyses
- Soil sampling in the former process area to better define limits of areas with elevated metal concentrations
- Surface soil sampling east of the railroad spur located immediately west of the site to characterize soils for the presence of PCBs
- Soil sampling at two off-site locations to facilitate establishing site background concentrations for TCL/TAL analytes
- Collection of solids samples from three stormwater drainage catch basins in the northern portion of the site and TCL/TAL samples analyses
- Installation of seven additional groundwater monitoring wells to characterize groundwater flow direction and quality
- Groundwater samples at all new and existing well locations and TCL/TAL samples analyses
- Completion of test pits at six locations coincident with former process sumps/pits/tanks to collect fill and TCL/TAL soil samples analyses

In addition to the analytical parameters identified above, select soil and all groundwater samples collected during the RI were also analyzed for perfluorooctanoic acid (PFOA). PFOA is a surfactant used in fluoropolymer manufacturing. Although neither fluoropolymers nor PFOA were produced at the RDP site, a fluoropolymer slip agent was utilized in small quantities at the site for a brief period late in the plants manufacturing history.

The RI sampling program and rationale is summarized in Table 4-1. Analysis parameters for specific samples collected during the RI are also included in the table. Sampling locations are shown in Figure 4-1. Information compiled from the RI and previous soil and well borings have been used to prepare detailed topographic maps and geological cross-sections. In addition to the tasks described above, a qualitative human health exposure assessment that meets the requirements of DER-10 was completed and is presented in Section 5.

The RI was completed under the direction of URSD on behalf of DuPont. Sample chemical analyses was conducted at Lancaster Laboratories located in Lancaster,

Pennsylvania, and TestAmerica Laboratories located in Denver, Colorado, as described in the Quality Assurance Project Plan (QAPP) (DuPont, 2008). The RI field work was completed between July 18 and September 18, 2008. Drilling and sampling was completed by Nothnagle Drilling of Scottsville, New York, under a contract agreement with DuPont.

As described in the QAPP, analytical results from the RI were reviewed by Environmental Standards, Inc. who prepared a DUSR for each data set. The DUSRs are provided in Appendix D. A summary of the data quality review and field QA/QC sampling is provided in Section 4.4.

4.1 Soil Investigation

The following section describes the proposed soil sampling in general terms. Sampling procedures and methods were completed in accordance with the RIWP. The soil investigation included the collection of samples at the following locations:

- Northern parcel
- Southern parcel
- New monitoring well locations
- Test pits
- Along the railroad spur on the western side of the site
- Former production area where elevated metals have been indentified
- Off-site background locations

Subsurface soil samples were collected using a Geoprobe® direct-push sampler. Shallow surface samples were collected with a bucket-auger sampler. A licensed New York State land surveyor surveyed all soil sample locations. Soil sampling locations are shown on Figure 4-1. Analytical parameters for the various soil sample activities are identified in Table 4-1. In accordance with the RIWP, soils were screened in the field for VOCs. Field screening results indicated that there were no VOCs in soils at the sample locations. Soil boring logs are provided in Appendix E.

Screening criteria were selected to be protective of current and future landuse. Additional discussion of the selection process is presented in Section 5.1.1.

4.1.1 Historic Fill

Numerous investigations completed since the imaging plant was closed have revealed the presence of fill material that does not appear to be associated with any former process. A few borings, completed when the site was an operating facility, noted the presence of a historic fill layer. Two distinct fill types are present at the site. Fill, ranging in thickness from one to seven feet, is present in nearly all locations investigated in the southern parcel and consists primarily of bricks, wood, concrete, ash, and cinders. Elevated levels of PAHs are common in the fill material and are comparable to the background levels. Borings completed in the northern parcel indicate a discontinuous layer of historic fill

that is one to five feet thick and consists of reworked soils containing wood, gravel, and cinders. Similar to the fill in the southern parcel, PAHs in the fill are elevated. The horizontal and vertical extent of the historic fill has been determined. For the most part, constituents in the historic fill have not impacted the underlying native soils and either gravel or asphalt covers the fill. Also, the historic fill in both portions of the site contains no groundwater.

4.1.2 Northern and Southern Parcels

Additional soil samples were collected at seven locations in the northern parcel and six locations in the southern parcel. The objective for this portion of the investigation was to fill data gaps from previous investigations. The northern parcel in particular was not fully characterized during previous investigations. Borings completed in this portion of the site identified the presence of historical fill that is not associated with former plant operations. Samples were analyzed for TCL/TAL analysis. Additional subsurface information obtained from soil borings and well borings has been used to update a geological cross-section for the site and is provided in Figure 4-2. Location of the cross-section is shown in Figure 4-3.

Northern Parcel and Discussion of Results

Including all fill and native samples, a total of nine samples from the northern parcel borings (B-N-01 through B-N-07) were collected. With the exception of one sample, all samples are categorized as subsurface soil samples. A surface soil sample from a depth of one to three feet was collected at boring location B-N-05.

Fill material was not encountered at borings B-N-03, B-N-04, B-N-06, and B-N-07. Therefore, one sample of native soil was collected at these locations. Fill material was not present at the northern parcel monitoring well (boring MW-05). Sample results for soils collected at well borings are discussed in Section 4.1.3. Average thickness of the historical fill in the northern portion of the site, where present, is two feet as shown in Figure 4-2.

A summary of soil sample results for the northern parcel borings are presented in Table 4-2. As indicated in Table 4-2, soil samples collected at borings B-N-03, B-N-06, and B-N-07 had no reported constituent concentrations above SCOs. PAHs were the most frequently detected constituents at levels above criteria at boring locations B-N-01, B-N-02, B-N-04, and B-N-05. With the exception of sample from borings B-N-04 and B-N-05, PAH criteria exceedances were limited to the historical fill material.

As indicated in Table 4-2, VOCs detected include 2-butanone, acetone, benzene, ethylbenzene, toluene, and xylene at concentrations below criteria. Similar to previous investigation results, VOCs, were detected at low concentrations.

Metals detected at concentrations above criteria were also reported at boring locations B-N-02 and B-N-05. Arsenic, at a concentration of 31.3 mg/kg, was reported for the fill material sample collected at boring B-N-02. The native soil sample from this location reported no metals above SCOs. Lead, at a concentration of 2,280 mg/kg, was reported for the surface soil sample collected from the fill material at location B-N-05. Lead at a concentration of 6,550 mg/kg for the subsurface soils at B-N-05 exceeds the soil cleanup

criteria of 400 mg/kg. Additional discussion of the significance of these lead results is presented in Section 4.4. The elevated level of lead at this location is likely localized based on results for nearby RI borings B-N-06 (15.5 mg/kg), B-N-07 (18.4 mg/kg), and MW-05 (17.0 mg/kg).

Southern Parcel and Discussion of Results

Former plant process areas were located in the southern portion of the site. Ten samples, five surface soil and five subsurface soil samples, were collected from southern parcel borings (B-S-01 through B-S-06). Native soil samples were not collected at locations B-S-02 and B-S-04, seeing as a very thin layer of soil was present at boring B-S-02, and no native soil was at boring location B-S-04. Samples results for soils collected at the well borings are discussed in Section 4.1.3. The average thickness of the fill in the southern portion of the site is 5 feet as shown in Figure 4-2.

A summary of soil sample results for southern parcel borings is presented in Table 4-3. As indicated in Table 4-3, surface soil samples of the fill from the southern parcel reported PAHs and metals above SCOs. PAHs were the most frequently detected constituents at levels above criteria. The only location reporting PAHs below criteria was B-S-06. The subsurface soil sample from boring location B-S-04 reported the highest levels of PAHs.

Metals detected at concentrations above criteria were reported at two of the six boring locations and the exceedances were limited to the fill material. Samples from two of these locations, B-S-03 and B-S-06, were surface soil samples. Surface soil samples from boring location B-S-06 reported arsenic and lead at concentrations above their respective criteria.

A review of the background soil sample results (BGS-01 and BGS-02) indicate PAHs at or above levels reported for the samples collected on-site. VOC results for the background samples are comparable to the soil samples collected on-site.

4.1.3 Well Boring Locations

To fill data gaps soil and/or fill samples were collected during the installation of seven new wells as described in the RIWP (DuPont, 2008). The only location where both native soil and fill samples were collected was MW-09. At the remaining locations, one sample of fill or native soil was collected based on observed stratigraphy. Based on observations made at the boring for well MW-02 (former barrel storage area) and MW-06 (possible dike area), additional shallow soil samples (0.0 to 2.0 feet), as described in the RIWP, were not collected as the material at these locations did not exhibit any visible evidence of impact from process areas.

Discussion of Results

A summary of the soil sample results from the well borings is presented in Table 4-4. Surface soil samples were collected three four of the well locations. The type of material at the well boring dictated the number of samples collected. The only location where fill and native material was present was MW-09. Samples were collected from both units at this location, whereas one sample was collected at the remaining locations from either fill or native soil, based on the material present. The only well location that reported

exceedances to criteria was MW-02, and the compounds present above criteria was limited to PAHs at levels comparable to background levels. The sample at this location is categorized as a surface soil sample.

4.1.4 Test Pit Locations

Test pits were completed at six locations identified in Figure 4-1. As indicated in Table 4-5, two samples were collected at each location, one from the fill material and one from the native soil. As indicated on Table 4-5, surface soil samples were collected at test pits TP-L05 and TP-L07. Test pit logs are provided in Appendix E.

Test pits were completed on August 26, 2008, by Nothnagle Drilling using a JCB-1400B rubber-tire backhoe. Test pit spoils were placed back in the excavation.

Discussion of Results

Soil samples associated with only two of the six test pit locations, TP-L05 and TP-L07, reported metals above criteria. The surface soil sample from the fill collected at test pit TP-L05 reported only cadmium (17.1 mg/kg) and silver (530 mg/kg) concentrations above criteria. The native soil below the fill at this location reported cadmium (not detected) and silver (0.69 mg/kg) below criteria. Cadmium (43.7 mg/kg) in the surface soil at TP-L07 was slightly above criteria. The native soil reported cadmium at 58.6 mg/kg at this same location. PAHs at concentrations above SCOs were limited to fill from four of the six test pit locations. None of the native soils reported PAHs above criteria with concentrations very low or not detected. PAHs above criteria were reported for subsurface fill samples at test pits TP-L08 and TP-L09. Surface soils samples for the fill at pits TP-L03 and TP-L05 also reported PAHs above criteria.

4.1.5 Railroad Spur Soil Sampling

An assessment of the western side of the former process area was conducted to determine if PCBs were present in the shallow soils. PCBs were potentially present in this portion of the site due to the adjacent railroad spur and former electrical transformers located on-site and off-site.

Soil sample collection was completed using a bucket auger. Soil samples were collected from a 6-inch to 12-inch interval immediately below the gravel layer (where present) and were analyzed for PCBs only. Sample locations, as shown on Figure 4-1, are designated as PCB-01 through PCB-05. As part of this evaluation, a surface soil sample was collected at the boring for monitoring well MW-04 and submitted for PCB analysis. The boring was installed due east of a formerly used electrical transformer located on the property where the railroad spur resides. Sample results are presented in Table 4-6.

Discussion of Results

As indicated in Table 4-6, none of the soil samples contained PCBs at levels above criteria. Estimated concentrations of the PCB aroclor 1260 were detected in all samples with concentrations ranging from 0.066 mg/kg at location MW-04 to 0.44 mg/kg at location PCB-02. Of note is the detection of PCB-1260 at background soil location BGS-01. This aroclor was reported at an estimated concentration of 0.32 mg/kg at this

location. The source of aroclor 1260 at this location is not clear, though the sample location is in close proximity to the railroad spur. The NYS Part 375 criteria do not include cleanup levels for specific aroclors but does provide a cleanup level of 1.0 mg/kg for totals PCBs. None of the soil results exceed this level.

4.1.6 Metals Delineation Sampling

In order to better define areas where elevated metal concentrations have been identified, soil sampling was completed at the locations shown in Figure 4-1. Soil sampling completed during previous investigations has delineated Area 4. The area designations and metals exceeding SCOs are as follows:

Area Designation	Metals Exceeding Criteria
Area 2	Cadmium and Silver
Area 3	Cadmium
Area 6	Cadmium
Area 7	Cadmium
Area 8	Silver

As noted in Section 3.2, soil sampling completed during previous investigations has delineated Area 4.

Using a Geoprobe, delineation samples were collected laterally from the previously reported exceedances in four directions as site subsurface obstructions allowed. In some areas, delineation in four directions was not needed as data from nearby borings have identified the limits of the elevated metals. As indicated on Table 4-7, borings were installed at 10-foot intervals from the boring where the exceedance was indicated. Samples for laboratory analysis were collected from 2-foot intervals to the depth of the previous exceedance. Inner ring soil samples (collected relatively close to the previous exceedance) were analyzed for the metal(s) requiring delineation. Corresponding outer ring soil samples were collected at a spacing of 10 feet from the initial exceedance and were held for analysis, pending the results of inner ring samples. Results of inner ring samples dictated if corresponding outer ring samples were analyzed for the appropriate metal(s). As discussed below, four of the five areas have been delineated. Additional sampling will be required to delineate the northern extent of Area 2.

Discussion of Results

Sample results for each area are summarized in Table 4-8.

Area 2

Area 2 is located on the western side of the site at the location of the former silver recovery building. Forty-five soil samples were collected at 19 locations in a stepped-out fashion described above. Samples were collected from 2-foot depth intervals to sampler refusal (maximum depth of seven feet). Additional outer ring samples were collected in

an attempt to delineate soil above criteria. Sample results are presented in Figure 4-4. The sample results for A20R14 (zero to two feet) indicate that additional sampling is needed to define the northern limit of Area 2.

Area 3

Area 3 is located near the former process area but is not associated with any former structure or sump. Samples to a maximum depth of seven feet (sampler refusal) from the inner and first ring were collected and analyzed. As indicated in Figure 4-5, none of these samples reported cadmium above criteria; therefore, the proposed outer ring samples were not analyzed.

Area 6

Area 6 is located adjacent to a former silver effluent sump. None of the samples, collected at a maximum depth of five feet, reported cadmium above criteria. Sample results are presented in Figure 4-6.

Area 7

Area 7 is located adjacent to a former silver effluent sump. Results from the three inner ring locations, shown in Figure 4-7, were sufficient in delineating cadmium in soil at this location.

Area 8

Area 8 is located at the northeastern corner of the former subsurface utility trench. As was the case for Area 7, analytical results from the inner ring locations completed delineation of this area. Silver results are presented in Figure 4-8.

These metals delineation sample results, supplemented with previous metals results, should greatly reduce the need for post-excavation samples during remediation of these areas. Additional sampling is needed to delineate the northern extent of Area 8.

In each area, the extent of the metals exceedance falls within the property boundary thus there is no offsite impacts associated with these areas.

4.1.7 Background Soil Sampling

Two shallow surface soil samples (samples BGS-01 and BGS-02) were collected to establish background levels for the evaluation of on-site soil results. As fill materials were not present at background locations, one sample from the top two inches of native soil beneath the topsoil layer was collected at each location. Samples were collected in the City of Rochester's right-of-way between the street and the sidewalk at the locations shown in Figure 4-1. Samples were analyzed for TCL, TAL analytes, and PFOA. Sample results are presented in Table 4-9.

Discussion of Results

As indicated in Table 4-9, VOCs (acetone, toluene, benzene, and total xylenes) were detected in both background samples. The most frequently detected compounds in background soil were PAHs with the greatest frequency at location BGS-01. The results for these samples have been averaged to develop site specific background values and these values were used in assessing site soils.

4.2 Stormwater Catch Basin Evaluation

Solids from three stormwater drainage catch basins (samples CB-01 through CB-03) were collected with a small diameter telescoping sampling device. The samples were to be collected with a bucket auger but catch basin metal covers could not be removed. Samples were analyzed in accordance with Table 4-1. The solids in the catch basins are considered residual material derived from surface runoff and, as such, sample results have not been compared to SCOs. Analytical results and description of the material sampled at each catch basin is provided in Table 4-10. Sample locations are shown in Figure 4-1.

4.2.1 Discussion of Results

Results for solids in the three catch basins sampled indicate the presence of VOCs, predominantly BTEX compounds, at concentrations below 1 mg/kg. SVOCs comprised of PAHs were detected at all locations, with individual PAHs at concentration less than 500 mg/kg. Other organic compounds reported at detectable levels include PCBs and pesticides at concentrations less than 0.1 mg/kg. Metals in the catch basin solids associated with the former process activities include cadmium, lead, and silver.

Sample from catch basins CB-02 and CB-03, situated in the interior of the northern parcel, had the highest constituent concentrations detected. As indicated on Table 4-10, the material in catch basin CB-03 was fine-grained. Contaminants, particularly metals, preferentially absorb to such material. Catch basin CB-01, the northern-most catch basin, reported the lowest constituent concentrations. Surface runoff captured by the catch basins is routed to City of Rochester storm sewers.

4.3 Groundwater Investigation

The groundwater investigation was conducted to characterize groundwater quality at the site and provide a better understanding of groundwater flow. This was a data gap identified as part of the BCP application process. The groundwater investigation consisted of monitoring well installation and development, hydraulic monitoring and testing, and groundwater purging and sampling. These activities are discussed in the subsections below. The QAPP describes the field and laboratory quality assurance/quality control (QA/QC) procedures that were followed for groundwater sampling.

The wells were constructed as top-of-bedrock wells, similar to existing well MW-1. As was the case during previous investigations, groundwater was not present in the overburden and weathered bedrock.

The upper weathered portion of the bedrock is approximately three to eight feet thick. The depth below ground surface to weathered bedrock generally increases south to north, with the depth to bedrock at MW-03 (located along the site southern boundary) being 6.2 feet and the depth to bedrock at MW-01 (northern-most monitoring well) observed at 11.5 feet below ground surface. With the exception of MW-05, the wells were completed at a depth of 20 to 25 feet below ground surface (bgs). MW-05 was completed at 31 feet

bgs. Soil and bedrock boring information was used to update an existing geological cross-section that is presented in Figure 4-2.

4.3.1 Monitoring Well Installation and Development

Seven additional monitoring wells were installed at the locations shown in Figure 4-1. Borings for the wells were advanced using a truck-mounted drill rig and hollow-stem augers. The overburden materials at each boring were continuously sampled using a Geoprobe MacroCore sampler with acetate liners and were completed in accordance with the American Society for Testing and Materials (ASTM) standards. As described in Section 4.1.3, samples for laboratory analysis were collected at each boring. A URSD geologist visually examined each soil sample and recorded all pertinent information for the overburden drilling, including sample recovery, fill/soil description, and depths where soils for laboratory analysis were collected. The samples were screened with a photoionization detector (PID) to determine if VOCs are present. Well completion details and lithology are included in Appendix F. New wells were surveyed by a licensed New York State land surveyor. Survey data is provided in Appendix G.

As described in the RIWP, the monitoring well borings were completed in a phased approach to determine the completion depth of the wells. Hollow-stem augers were advanced to the top of competent bedrock after observing no groundwater in the overburden. The augers were retracted a few feet and left in place overnight for a few hours to allow groundwater to enter the boring. As groundwater was not encountered at the overburden/bedrock interface, the well boring was advanced 10 to 15 feet into bedrock and was completed as open-hole bedrock wells, similar to the construction of existing monitoring well MW-01. Proposed well MW-08 was not installed. As described in the RIWP, installation of this well was contingent upon the northern parcel soil sample results. As noted in the September 2008 monthly progress report (DuPont, 2008a), the reported soil results were at concentrations that did not warrant the installation of an additional monitoring well in the northern parcel.

Wells were completed at the surface by installing a locking cap on a 4-inch steel casing with a concrete pad. The wells were developed using pump-and-surge methods to remove fines. The well was considered developed when groundwater quality parameters stabilized. Well development logs are provided in Appendix H. Well development water was containerized and ultimately disposed of in a combined sewer line on-site under a permit issued by Monroe County Pure Waters.

4.3.2 Hydraulic Monitoring and Testing Results

The wells installed during the RI and existing well MW-1 were used to characterize hydrogeological conditions at the site. Monitoring and testing completed to this end are discussed below.

Water Level Measurements

Six rounds of water-level measurements were completed during the RI. Water levels are summarized in Table 4-11. As indicated in the table, groundwater elevations at the site exhibited significant fluctuations between monitoring events. The greatest fluctuations

between the maximum and minimum elevations within a well were observed at wells MW-02, MW-05, and MW-07. The fluctuation observed in MW-05 is attributed to low hydraulic conductivity and subsequent slow recharge. The fluctuations in MW-02 and MW-07 are attributed to influences from City of Rochester storm sewers located beneath Driving Park Avenue and Argo Park. Like the monitoring wells, these sewers are constructed into bedrock and may influence groundwater flow at and near the site. Although not part of the RI scope, groundwater level and temperature monitoring at select wells (MW-02 and MW-03) was completed to determine the rate and magnitude of groundwater elevation fluctuations (see Figure 4-9). An additional discussion is presented below.

Hydraulic Conductivity Testing

Hydraulic conductivity testing (slug tests) was performed on the new and existing groundwater monitoring wells to obtain in-situ hydraulic conductivity data for the bedrock. Test data was logged using an electronic datalogger/transducer. Hydraulic conductivity testing results are summarized in Table 4-12 and are included in Appendix I. Groundwater response data collected at MW-03, MW-05, and MW-07 were insufficient for analysis, due to extremely low response/recharge rates. The hydraulic conductivity at these wells is estimated to be less than 10^{-7} centimeters per second (cm/sec).

Groundwater Flow

Water-level measurements were recorded on September 10, 16, October 16, 30, November 14, and December 16, 2008 (see Table 4-11). Groundwater potentiometric surface maps were prepared for the October 16, 2008 and November 14, 2008 events and are presented in Figures 4-10 and 4-11.

Discussion of Results

As indicated in Figures 4-10 and 4-11, the predominant groundwater flow direction is to the north, away from the former process areas. The northern flow direction is consistent for all rounds of data collected for the northern half of the site. Groundwater elevation data collected to date indicate a groundwater high in the vicinity of monitoring wells MW-04, MW-06, and MW-09, with an occasional relative high along the southern boundary (MW-03 and MW-07). Additional monitoring will determine the interplay and changes in flow directions between these relative groundwater highs.

The fluctuations observed in groundwater elevations at MW-02 and MW-03 are attributed to influence by storm sewers and surface-water runoff (see Figure 4-9). Typically, the greatest fluctuations were observed at MW-02 (see Figure 4-12). Additionally, temperature data, collected along with transducer/datalogger water-level data at MW-02, exhibits a drop in groundwater temperatures that would be expected for a groundwater system influenced by surface water (see Figure 4-13). Additional monitoring would be necessary to determine the magnitude of surface-water influences on-site.

4.3.3 Groundwater Sampling

Groundwater samples were collected using low-flow sampling methods. The pump intake was positioned at the most prominent bedrock fracture or at the midpoint of the

open rock hole, if a prominent fracture was not observed. Purge water was managed in the manner described in Section 4.3.1. The key component in determining when sampling was to begin was the stabilization of groundwater quality parameters. The following monitoring was performed during groundwater sampling.

During well purging, pH, specific conductance, turbidity, dissolved oxygen, oxidation/reduction potential, color, odor, and temperature were measured at regular intervals until stabilization was reached. Stabilization was considered achieved when three consecutive readings of each indicator parameter, taken at three to five minute intervals, were within the following limits:

- pH (+/- 0.1 units)
- Specific conductance (within 3%)
- Turbidity [10% for values greater than 5 Nephelometric Turbidity Units (NTUs)]
- Temperature (within 3%)

Indicator parameter instrumentation was calibrated daily, at a minimum. Once purging was complete, the well was sampled through the discharge tubing of the pump by directly filling the laboratory-supplied sample containers. Well purge and sample logs are provided in Appendix J.

A total of eight groundwater samples, one from existing well MW-01 and one from each new well, were collected. The first round of groundwater results are discussed below. A second round of groundwater sampling is tentatively planned for February 2009.

4.3.4 Groundwater Sampling Results

Groundwater sampling results from the first round of sampling are provided in Table 4-13 and presented in Figure 4-14. Sample results have been compared to NYS TOGS 1.1.1 (NYDEC 1998). Existing monitoring well MW-1 was sampled in 2003. Sample results for this event are included in Appendix C. A discussion of the first round of results is provided below by analyte group.

VOCs

Results from two monitoring wells installed at the southern end of the site, MW-03 and MW-07, indicate the presence of trichlorothene, 1,1-dichloroethane, and associated degradation compounds at concentrations above TOGS 1.1.1. The highest VOC concentration was reported for the western-most well (MW-03). A review of site records indicates that only alcohol-based solvents were used. Chlorinated solvents, such as was detected in the samples from MW-03 and MW-07, were not used at the site. As discussed in Section 4.1, chlorinated VOCs were not detected in site soils. Given the prominent groundwater flow direction to the north, away from the former process areas, and the close proximity of wells MW-03 and MW-07 to the southern boundary of the property, an off-site source is attributed to the VOCs in groundwater at these locations.

PAHs

Results for two wells, MW-03 and MW-05, reported PAHs above criteria. The concentration of one PAH at MW-03 was above criteria compared to six PAHs at concentrations above criteria that were reported at well location MW-05. The sample from well MW-05 was very turbid even after repeated attempts to completely develop the well. The very low yield of this well compounded well development efficiency. The well will be properly developed before the second round of sampling. Fill materials were present at this northern parcel monitoring well.

Pesticides/PCBs

As indicated in Table 4-13, there were no detections of pesticides or PCBs in any groundwater sample.

Metals

Metals associated with former processes including cadmium, chromium, lead, and silver were detected in groundwater at concentrations below criteria. Iron, magnesium and sodium were also reported at concentrations above criteria but at levels comparable to regional groundwater for wells completed in the upper bedrock. Well location MW-05 reported the greatest number of metals but, as described above, this well was not fully developed. Well development will be completed before the second groundwater sampling event.

4.3.5 Groundwater Investigation Conclusions

The RI confirmed the absence of groundwater in the overburden and determined that the upper bedrock has a low hydraulic conductivity. Hydraulic monitoring indicates predominant groundwater flow direction to the north and suggests a hydraulic connection to off-site sewers that are constructed into bedrock. Further evaluation is needed to determine the connection. Previous investigation results from well MW-1 indicated no impact to groundwater quality downgradient of the former process areas which was confirmed by the RI. Groundwater sample results indicate no impact from the metals used in the former manufacturing processes. The chlorinated VOCs reported at southern perimeter wells MW-03 and MW-07 are not considered to be associated with former site processes. Site records, indicating the use of only alcohol-based solvents and the location of the VOCs, suggest an off-site source. Additional monitoring will support the premise that the site does not contain a groundwater source and that contamination is not migrating offsite.

4.4 Data Quality Summary

4.4.1 Quality Assurance Issues- Groundwater

The chemistry groundwater data generated for the first round of sampling was submitted for a limited independent data validation by Environmental Standards, Inc and was also evaluated in-house using the DuPont Data Review (DDR) process as described in the project QAPP, Section 4.2.1. PFOA data underwent a separate, in-house manual data

evaluation process (also described in the project QAPP, Section 4.2.1). The complete DUSRs prepared by Environmental Standards, and DuPont, are included in Appendix D.

No significant procedural, reporting, or data quality issues were identified during the review. Several results for naphthalene and dissolved nickel in project samples were qualified (B) due to contamination in the associated field and laboratory blanks; these results should be considered non-detects, and are not necessarily representative of groundwater quality at the time of sampling. Several additional metals were qualified as unusable (R) or estimated concentrations (J) as a result of matrix spikes recovered outside the acceptance windows, poor precision between field duplicates, or instrument calibration issues. It was noted that some dissolved metals concentrations (potassium, antimony, sodium, and lead) were greater than the corresponding total metals concentrations; both the total and dissolved metals were qualified in the affected samples, and should be considered estimated concentrations. Based on the available information, it was not possible to determine if the aliquots for dissolved metals had not been field-filtered, or if the sample containers had been misidentified. In addition, the non-detect results for the organochlorine pesticides in MW-07 were qualified as estimated due to low surrogate recoveries in the sample.

No significant data quality issues were identified during the review of the PFOA groundwater data and associated QC.

In accordance with the project QAPP, target analyte detections were reported to the method detection limit (adjusted for dilution and sample aliquot volume). Detections between the method detection limit and quantitation limit were qualified as estimated concentrations (J) for the chemistry data, and NQ (not quantifiable) for PFOA.

Qualitative TIC library searches were performed as part of the volatile and semivolatile analyses, and are summarized in Table D1; where tentative identifications were made, they are included in the table.

4.4.2 Quality Assurance - Test Pits Soil Sample

The chemistry data generated for the test pit soils collected on August 26-27, 2008 was submitted for a limited independent data validation by Environmental Standards, Inc and was also evaluated in-house using the DuPont Data Review (DDR) process as described in the project QAPP, Section 4.2.1. PFOA data underwent a separate, in-house manual data evaluation process (also described in the project QAPP, Section 4.2.1). The complete DUSRs prepared by Environmental Standards, and DuPont, are included in Appendix D.

In general, the quality of the data set was good; however there was some qualification of data during the evaluation process. A number of the semivolatile (BNA) target compounds and the pesticide gamma chlordane were qualified as unusable (R) in sample TP-L08 (3) due to very low recoveries of these compounds in the associated matrix and surrogate spikes. The laboratory reported significant matrix interferences in this sample, which were likely a factor in the poor spike recoveries.

The acetone detections in samples TP-L05(0-2), TP-L09(4.5), TP-L15(3), and TP-L15(4) were qualified (B) due to acetone contamination in the associated laboratory blanks; these

results should be considered non-detects. As described in further detail in the DUSR, additional organic analytes and metals were qualified (J) as estimated concentrations, or UJ for non-detects, as a result of QC spikes recovered outside the acceptance windows, poor precision between laboratory duplicates, serial dilution imprecision, and other QC exceptions. It was noted that the reporting limits were elevated in some soil samples as a result of dilutions required for analysis and reported matrix interferences. In accordance with the project QAPP, target analyte detections were reported to the method detection limit (adjusted for dilution and sample aliquot volume). Detections between the method detection limit and quantitation limit were qualified as estimated concentrations (J) for the chemistry data, and NQ (not quantifiable) for PFOA.

Other than the samples identified above, no other sample results were qualified as unusable.

Qualitative TIC library searches were performed as part of the volatile and semivolatile analyses performed on the test pit samples, and are summarized in Table D1; where tentative identifications were made, they have been included in the table.

4.4.3 Quality Assurance Issues Surface and Subsurface soils (Northern Parcel, Southern Parcel, Monitor Well Borings, Catch Basins, Background, and other areas)

The chemistry data generated for the surface and subsurface soils was submitted for a limited independent data validation by Environmental Standards, Inc and was also evaluated in-house using the DuPont Data Review (DDR) process as described in the project QAPP, Section 4.2.1. PFOA data underwent a separate, in-house manual data evaluation process (also described in the project QAPP, Section 4.2.1). The complete DUSRs prepared by Environmental Standards, and DuPont, are included in Appendix D.

The overall quality of the data was good; however, there were a number of data qualifiers applied to the data during the evaluation process. The non-detect (ND) antimony results for 33 soil samples, and non-detect cadmium results for 3 soils were qualified as unusable (R) due to very low associated matrix spike recoveries. Matrix interferences in these samples were reported to be a factor in the low recoveries. There was some qualification of other target metals as estimated concentrations (J) as a result of QC spikes recovered outside the acceptance windows, poor precision between laboratory duplicate samples, and other analytical difficulties. The lead results reported for both the surface soil and 5-6 foot interval at northern parcel boring B-N-05 were considerable higher than those reported for the other boring samples in the area (refer to Table-4-2), so the lead analysis in these samples was repeated using a fresh sample aliquot and an alternate analytical method (samples analyzed for lead using method SW-846 6020, and repeated using method SW-846 6010B). There was some variation in the lead results, possibly due to sample inhomogeneity, however all were significantly higher than the levels reported in the neighboring borings.

The non-detect results for several target semivolatiles and pesticide compounds were also qualified as unusable in several samples as a result of very low matrix spike recoveries. Some positive detections of target volatiles, semivolatiles, and pesticides were qualified (J) as estimated concentrations due to matrix and /or surrogate spikes that were recovered

outside the acceptance limits, instrument calibration issues, poor precision between field duplicate pairs, and other analytical exceptions detailed in the DUSRs.

All PCB detections in the railroad spur samples were qualified as estimated concentrations, and the non-detects were qualified UJ (reporting limits may be higher than indicated in the data) due to high surrogate recoveries and analytical issues.

Laboratory records indicated that several of the EnCore® samplers for the monitor well borings were not completely full upon receipt at the laboratory. Accordingly, the volatile results were qualified as estimated.

It was noted that the reporting limits were elevated in some soil samples as a result of dilutions required for analysis and reported matrix interferences. In accordance with the project QAPP, target analyte detections were reported to the method detection limit (adjusted for dilution and sample aliquot volume). Detections between the method detection limit and quantitation limit were qualified as estimated concentrations (J) for the chemistry data, and NQ (not quantifiable) for PFOA.

Qualitative TIC library searches were performed as part of the volatile and semivolatile analyses performed on the test pit samples, and are summarized in Table D1; where tentative identifications were made, they have been included in the table.

4.5 PFOA Evaluation

In addition to TAL/TCL and miscellaneous parameters, select soil and all groundwater samples collected during the RI were also analyzed for PFOA. PFOA is a surfactant used in fluoropolymer manufacturing. Although neither fluoropolymers nor PFOA were produced at the RDP Site, a fluoropolymer slip agent was utilized in small quantities at the site for a brief period late in the plant's manufacturing history. Samples from the locations identified in Table 4-1 were analyzed for PFOA. Sample results presented in Figure 4-15.

4.5.1 Discussion of PFOA Evaluation Results

As indicated on Figure 4-15, the first round groundwater results reported very low concentrations of PFOA, ranging from 0.051 µg/l to 0.43 µg/l. There is no NYS drinking water standard for PFOA. For comparative purposes, the USEPA Provisional health advisory level for drinking water of 0.4 µg/l was used to evaluate PFOA detections (EPA, 2009a). With one exception, all reported groundwater results were below the 0.4 µg/l advisory level. The reported 0.43 µg/l detection at well MW-09 is only just above this advisory level. Overall, the first round results do not indicate any specific source or downgradient plume for this compound. Elimination of PFOA from the groundwater parameter list is additionally supported by the generally low conductivity of the upper bedrock and a local ordinance prohibiting groundwater use.

5.0 QUALITATIVE EXPOSURE ASSESSMENT

Consistent with the guidance provided in Appendix 3B and 3C of DER-10, a qualitative human health exposure assessment and a fish and wildlife resources impact analysis were completed to evaluate whether the site poses an existing or potential hazard to the exposed or potentially exposed receptors. A qualitative exposure assessment evaluates the potential for complete exposure pathways to be present at the site. For an exposure pathway to be complete, all of the following elements must be present:

- Source of contaminants in the environmental medium (soil, air, water, biota)
- Contaminant release and transport mechanism to the environment
- Exposure point where human or ecological receptors can contact the exposure medium
- Exposure route (e.g., inhalation, ingestion, or dermal contact)
- Receptor populations who are exposed to the contaminants at the point of exposure.

Each of these elements is discussed in this section. In support of the exposure assessment, an accurate understanding of the geology and hydrogeology at the site must also be known. A description of the regional and site geology and hydrogeology was previously presented in Section 4.0 of this report.

5.1 Constituents of Potential Concern

Previous investigations have characterized area identified for potential remediation at the site (see Figure 4-1). These investigations focused on surface and subsurface soil on-site and are summarized in Section 3 of this report. Analytical data collected from these environmental investigations indicate that the vast majority of the elevated soil concentrations are related to the fill material itself and not necessarily historical site activities. Two metals (cadmium and silver) appear to be related to past processes. However, the impacted areas are localized to a small list of process areas or structures. As described in Section 4.0, the RI results support previous investigation results. In addition, the 2008 RI sampling also included a groundwater characterization. As indicated in Section 4.3, contaminants were detected in groundwater; however, the contaminants detected were not site-related and suggest an off-site source.

5.1.1 Sources of Screening Criteria

In accordance with New York State's BCP, SCOs were utilized as screening levels for the 2008 RI data to identify COPCs. Screening levels chosen were based on current and future land-use assumptions. Exceedances of screening levels do not indicate a confirmed release from a unit or that an unacceptable exposure exists. Rather, the screening levels serve to indicate potential concerns for exposure. In order to identify

COPCs, soil and groundwater data were screened against applicable screening criteria. This section provides information about the criteria selected to assess site data.

Groundwater

Constituents detected in groundwater were compared to groundwater standard values (TOGS (NYDEC 1998). TOGS are derived for residential use of groundwater. However, this provides an extremely conservative screening assessment because groundwater use is prohibited by a City of Rochester ordinance. Because the site lacks buildings and future use of the site is anticipated to be recreational, there is no complete pathway for vapor intrusion from ground water; thus no further consideration of vapor intrusion has been included in this exposure assessment.

Soil

Soil concentrations were compared to SCOs that represent a combined direct exposure including inhalation of particulates, dermal absorption, and ingestion or protection of migration to groundwater. These criteria are based on an excess cancer risk of 10^{-6} and a hazard quotient of 1.0. Aroclor congeners were considered a total concentration and were screened against the New York SCOs. Objectives for the Protection of Public Health (PPH) for restricted residential reuse were selected for this site because this use scenario is specifically designated for public active recreational use with reasonable contact with soil (New York State, 2006). EPA Regional Screening Levels (RSLs) for residential soil were utilized (based on an excess cancer risk of 10^{-6} and a hazard quotient of 1.0) where SCOs were unavailable (EPA, 2008). This is considered a very conservative screening because future land use at the DuPont 666 Driving Park Site will have land-use restrictions and is better represented by a restricted residential exposure.

Based upon the exposure pathway assessment, there is no complete pathway for vapor intrusion into buildings. Previous studies have not identified VOCs in soil, thus these compounds are not considered COPCs at this site. In addition, if there were relevant COPCs, soil data would have been excluded from a hypothetical indoor air evaluation. The draft vapor intrusion guidance does not recommend the use of soil concentrations because of the large uncertainties associated with using them. Thus, no further consideration of vapor intrusion has been included in this exposure assessment.

5.1.2 Groundwater COPCs

During the RI, groundwater samples were collected from one existing monitoring well and seven new monitoring wells. Groundwater samples were analyzed for the full TCL/TAL parameter list. Monitoring well locations are shown in Figure 4-1 and a comparison to TOGS 1.1.1 is presented on Table 4-13. Because groundwater is not used for drinking water at the site, the comparison to conservative health-protective screening levels for drinking water serves only as a qualitative assessment rather than a measure of potential health risk. As shown in the table, the following COPCs were identified for groundwater:

- 1,1-Dichloroethene
- cis-1,2-Dichloroethene

- trans-1,2-Dichloroethene
- Trichloroethylene
- Vinyl chloride
- Benzo(a)anthracene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Benzo(a)pyrene
- Chrysene
- Indeno(1,2,3-cd)pyrene
- Manganese
- Iron
- Magnesium
- Sodium

The TOGS for the macronutrients (iron, magnesium, and sodium) are based upon aesthetic characteristics; therefore, exceedances of these criteria would not pose any unacceptable risk. There was one positive detection of PFOA that exceeded the EPA provisional health advisory level (0.4 ug/L) by less than 0.03 ug/L (EPA, 2009). Because there is only one exceedance and the concentration is approximately the same as the health advisory, this compound may be excluded from further investigation.

Based on the groundwater-use restrictions in the City of Rochester, and the limited water-bearing capacity of the upper bedrock, exceedances of TOGS for all organic and metals detected in groundwater also do not pose any unacceptable risk, as there is no exposure or potential for future exposure to these constituents.

Several detected SVOCs [benzo(g,h,i)perylene, 2-methylnaphthalene] did not have screening levels. Benzo(g,h,i)perylene was detected in one sample (MW-05) at an estimated concentration of 0.03 μg/L, reported below the practical quantitation limit (PQL). 2-Methylnaphthalene was detected in three samples (MW-04, MW-5, and MW-07) at estimated concentrations that were below the PQL. One metal, cobalt, was detected at concentrations below the PQL but lacked a screening level. Cobalt detections were limited to MW-03, MW-05, and MW-07 and may be indicative of naturally occurring conditions rather than an indication of a release. It is suspected that some of the constituents reported for the sample from well MW-05 may be associated with the turbidity of the sample. Groundwater from the well was very turbid even after repeated attempts to completely develop the well. The very low yield of this well compounded well development efficiency. The well will be properly developed before the second round of sampling.

In addition to the constituents listed, several constituents were non-detect at MDLs that exceeded the TOGS. None of these constituents are suspected to be site-related or degradation/transformation products of site-related constituents at this time.

5.1.3 Surface Soil COPCs

Soil samples were collected from 31 locations during the RI. With the exception of the surface soil (0 to 6-inch) samples collected at the two background locations and six locations along the western side of the site, soil samples were collected from the subsurface at varying depths. This section summarizes the results for composite samples collected from the zero to three foot interval at 14 surface-soil locations. As detailed in Figure 4-1, several of these locations were collected within the extent areas that were previously identified as potentially requiring remediation. Soil samples were analyzed for TCL/TAL suite of parameters and other miscellaneous parameters. A summary of the historical soil data compared to SCOs was provided in the work plan and has not been included herein.

The result tables for soil and solids, Tables 4-2 through 4-10, compares the results for constituents measured in surface soil to background and SCOs. Soil samples collected to assess background conditions represent native soils that have been exposed to urban industrial conditions. As a result, organic compounds identified in the background samples represent localized conditions on and around the site. Metal constituents in background were detected at concentrations that fall within the minimum concentration range for regional soil background (NYSDEC, 1994) and are not indicative of historic fill material on site. In all instances, the site-specific metal background values were less than risk-based criteria. However, historic fill material encountered in several locations on the site was better evaluated using the NYSDEC regional background values, as these incorporate a wider range of background conditions. Thus, surface and subsurface soils have been screened against both site-specific and regional background values. Only the site-specific constituent's arsenic, cadmium, lead, and silver exceed screening levels.

PAHs were most frequently detected at levels above criteria in the historical fill material. As presented in Section 4.1.1, because this material is widespread and unrelated to site activities, these constituents are not considered COPCs for this site.

Four metal constituents, aluminum, magnesium, potassium, and sodium, lacked risk-based screening, and each exceeded estimated background concentrations. However, these constituents were excluded from further consideration because they are ubiquitous earth minerals and have low toxicity. PFOA was positively detected in low concentrations in soil near the former soil recovery area and a former silver effluent pit; however, the concentration does not warrant any further consideration because the future use of the site will involve placement of two feet of cover material, thus there is no direct contact with surface soils under the future use scenario.

Soil cleanup criteria were not available for three positively detected organic constituents, (acenaphthylene, carbazole, and endrin aldehyde); however, these constituents have not been identified as process-related. Therefore, these constituents have been excluded from further consideration. SVOCs that were positively detected in soils and exceeded SCOs have been excluded as COPCs because these constituents were limited to the historical fill materials and are not related to previous site activities. In addition to the constituents listed, a few constituents were non-detect at MDLs that exceeded the SCOs. None of these constituents are suspected to be site-related or degradation/transformation products of site-related constituents at this time.

As shown in the soil sample results tables, the following COPCs were identified for further evaluation in this exposure assessment including arsenic, cadmium, lead, and silver. Because the site is paved or covered with concrete, the majority of samples considered in the surface interval were collected from the 1-foot to 3-foot interval. Thus, this is a conservative estimate of COPCs identified in the surface soil as these samples could be considered a subsurface interval.

5.1.4 Subsurface Soil COPCs

Eighteen subsurface soil samples were collected at depths greater than two feet below ground surface (bgs), or with intervals that initiated at two feet bgs or more. While all subsurface sampling intervals were anticipated to be two feet, sample intervals below two feet bgs were sometimes less than 2-foot intervals as a result of sampler refusal or sample recovery. As detailed in Figure 4-1, several of these locations were collected within the extent of SWMUs and AOCs. Soil samples were analyzed for TCL/TAL parameters.

Soil sample results compares the results for constituents concentrations detected in subsurface soil to SCOs, or RSLs where SCOs were unavailable. As shown in the tables, the following COPCs were identified for further evaluation in this exposure assessment: arsenic and lead. PAHs were detected within historical fill material that was encountered in four boring locations. Constituents associated with the historical fill are not recommended for further assessment because this material is not related to previous site activities. PFOA was detected in subsurface soil at several locations near the former soil recovery area and a former silver effluent pit; however, the location of these detections in the subsurface, in addition to the future placement of an additional two feet of soil, precludes potential contact with soils under reasonable current or future use scenarios. Thus, PFOA detections in soil warrant no further consideration.

Several compounds did not have screening levels; however, these constituents are not related to historical site activities and have been excluded from further consideration. In addition to the constituents listed, a few constituents were non-detect at MDLs that exceeded the SCOs. None of these constituents are suspected to be site-related or degradation/transformation products of site-related constituents at this time.

5.2 Definition of Primary Transport Mechanisms

Four metals, arsenic, cadmium, lead, and silver, were most frequently detected at the site above screening levels in soil samples. Therefore, the following section focuses on the environmental fate-and-transport characteristics of these COPCs and, based on their chemical and physical properties, their potential migration pathways.

5.2.1 Constituent Mobility and Fate-and-Transport Factors

The COPCs that most frequently exceeded screening criteria in soil are summarized below. Information for this section was derived from Oak Ridge National Laboratory Risk Assessment Information System database (available on-line: http://rais.ornl.gov/cgi-bin/tox/TOX_select?select=chem) and EPA's ECOTOX database (EPA, 2009b). Four metal constituents have been identified as COPCs: arsenic, cadmium, lead, and silver.

The propensity for constituents to preferentially partition to soil can be evaluated based upon partitioning coefficients, such as the soil-water partitioning coefficient (Kd). Constituents with a Kd greater than 10 when released to soil would be expected to be mobile and leach to groundwater (low to negligible soil sorption). All of the above constituents could be considered mobile. However, when concentrations in the groundwater are considered, it is clear that these COPCs are not mobile or leaching at the RDP site.

Water solubility (S_W), also known as aqueous solubility, is the maximum amount of a substance that can dissolve in water at equilibrium at a given temperature and pressure. Solubility of metal constituents is dependant upon the form of the metal. Metal speciation has not been performed at this site; however, based on knowledge of the processing that occurred on-site, the COPCs would be expected to be more elemental in form and, therefore, have low solubility in water. As a result, solubilities are generally not available for metals. Geochemical processes present in the subsurface can limit solubility of the COPCs, such as arsenic. Water solubility has been correlated to the potential for a constituent to accumulate in sediments and potentially bioaccumulate in organisms. Based on this information, it can be concluded that constituents with a low bioconcentration factor (< 1000 L/kg) are unlikely to bioaccumulate. All of the COPCs listed below are unlikely to bioaccumulate.

Chemical Name	K_d	Bioconcentration Factor (L/kg)
Arsenic	29	114
Cadmium	75	907
Lead	900	0.09
Silver	8.3	9.5

5.2.2 Potential Migration Pathways

Potential migration pathways for the COPCs in environmental media at the site have been identified and evaluated based on existing information regarding current conditions at the site and readily available information regarding human and environmental populations. The potential for migration and transport of COPCs from the site is limited to the following potential migration pathways identified. Based on the chemical and physical properties of the COPCs and the known physical, topographic, meteorological, and hydrologic conditions at the site, the potential migration pathways are as follows:

Surface runoff during rain events into on-site stormwater features (such as catch basins, dry wells, or storm sewers)

Airborne transport of particulates generated by wind erosion of site surface soils and physical disturbance of site surface and subsurface soils to downwind locations

Leaching of constituents in site soils (surface and subsurface) to groundwater

Migration of dissolved constituents in site groundwater beneath the facility to downgradient locations

5.3 Identification of Potential Receptors and Exposure Points

An exposure pathway consists of the following:

- Source of constituents
- Mechanism of constituent release to the environment
- Transport or exposure medium containing the constituents
- Exposure point where human or ecological receptors can contact the exposure medium
- Exposure route (e.g., inhalation, ingestion, or dermal contact)

All of these elements must be present for an exposure to occur. Figure 4-16 depicts exposure pathways by which human receptors may be exposed to constituents in environmental media under current land-use and water-use conditions. The purpose of this figure is to identify chemical sources and exposure pathways that can result in human exposure. The model in Figure 4-16 shows both potentially complete and incomplete pathways. Potentially complete and incomplete pathways for each of the potential receptors are discussed in the following section.

Potential receptors are defined as human populations or individuals and environmental systems that are susceptible to contaminant exposure from the site. Current and future land-use and water-use conditions were considered in determining exposure scenarios. Ecological receptors are evaluated in Section 5.7.

5.3.1 Current Land Use

Under current land use conditions, potential receptors are limited to maintenance worker who may repair the fence or cut the grass. As previously indicated, the site is unused with the exception of vehicle and snow storage by the city. The majority of the land surface is covered with asphalt-paved roads or parking areas and concrete or gravel-covered former staging areas. While this cover may not provide a complete barrier due to the cracks present in the pavement, storage activities do not result in exposure to soil under the ground coverings. Currently, there are no employees active on-site, and maintenance activities are limited to outdoor maintenance (fence repair, grass cutting).

Surrounding land use is a mix of commercial, industrial, and residential properties. The entire site is fenced, and access is controlled and limited to authorized personnel only. Therefore, trespassers were not considered potential receptors. At this time, off-site industrial and residential users of shallow groundwater have not been identified downgradient of the site because groundwater use is prohibited by a City of Rochester ordinance; thus, there is no potential for exposure. Incidental contact with groundwater during construction is not a complete pathway as the depth to groundwater is greater than ten feet below ground surface.

5.3.2 Future Land Use

For future landuse of the site, it is likely that the property could be used for commercial, industrial, or recreational purposes. Therefore, the following potential receptors under future landuse were identified, given the site setting and land uses at and adjacent to the site:

- Restricted Residential Use
- Commercial Worker
- Industrial Worker

It is expected that the ordinance prohibiting groundwater use will continue in the future; thus, there is no potential for off-site exposure. Incidental contact with groundwater during construction is not a complete pathway as the depth to groundwater is greater than ten feet below ground surface.

5.4 Potentially Complete Exposure Pathways

A description of each of the potentially complete exposure pathways is provided below.

5.4.1 Surface Soil

The potential for exposure to contaminants in surface soils is limited to on-site receptors. Because the entire site is covered with either asphalt or clean gravel placed after plant decommissioning and access to the site is restricted by a fence, exposure to site soils is not a concern under current land uses.

Potentially complete on-site exposure pathways, therefore, may include the following:

Future Resident – incidental ingestion of and dermal contact with surface soil and inhalation of soil-derived particulates.

Future Commercial Worker – incidental ingestion of and dermal contact with surface soil and inhalation of soil-derived particulates.

Future Construction/Industrial Worker – incidental ingestion of and dermal contact with surface soil and inhalation of soil-derived particulates.

5.4.2 Subsurface Soil

The potential for exposure to contaminants in subsurface soils is limited to future construction workers. Work activities may include intrusive work. Exposure pathway may include in incidental ingestion of and dermal contact with surface soil and inhalation of soil-derived particulates

5.5 Incomplete Exposure Pathways

Mitigating factors were used in the evaluation of the completeness of an exposure pathway. The evaluation of mitigating factors uses logical and scientifically defensible

reasoning based on a broader, more site-specific understanding of the exposure assessment to predict more accurately the potential effects of evaluated releases.

Mitigating factors may include caps and covers that minimize the potential for direct contact, groundwater-use restrictions, or institutional controls established to minimize worker exposure. Current human exposures are considered to be controlled if there is not a complete exposure pathway.

5.5.1 Groundwater

Additional monitoring will support the premise that the site does not contain a groundwater source and that contamination is not migrating offsite. In addition, because groundwater use is prohibited by a City of Rochester ordinance, there is no potential for exposure to groundwater on-site or downgradient of the site.

Soil boring logs indicate that groundwater is not present in the overburden. As discussed in Section 2.3.3, regional bedrock groundwater flow is toward the north-northeast. While groundwater discharge approximately five miles to the north to Lake Ontario is expected, dilution associated with the large receiving water body and the low groundwater discharge rate would result in no unacceptable concentrations of site-related constituents. Therefore, there is no potential for exposure to site-related constituents in surface water downgradient from the site.

5.5.2 Subsurface Soil

Because there are no day-to-day operations at the site and occasional on-site worker responsibilities do not include intrusive activities, direct contact (ingestion or dermal contact) with subsurface soil is not anticipated under current land use, making this exposure pathway incomplete.

5.6 Significance of Potentially Complete Exposure Pathways

It is not reasonably expected that the potential complete exposure pathways at the site would be significant. The existing site-specific activity patterns and physical conditions were considered in making this determination.

As previously noted, areas where COPCs in surface soil exceed screening levels are localized and have some type of cover/cap present, thereby minimizing potential exposure to soil. In addition to these covers, excavation limitations are in place to ensure the appropriate personal protective equipment (PPE) is used if soil is disturbed.

Even in the highly unlikely event that a worker encountered impacted surface soil, the exposure frequency and duration assumptions inherent in the derivation of the risk-based criteria are considerably greater in magnitude than any realistic exposure scenario for a site worker. As a result, the potential exposures to impacted surface soil are not considered significant.

Future land use of the site is anticipated to include recreational facilities such as ballfields or other maintained landscape. Conversion of the site to a recreational area would require removal of existing impermeable or semi-permeable surface cover for the site and

replacement with appropriate surface-soil cover. As a result, under the anticipated addition of surface-cover future-use conditions, exposure to the existing surface soil is not considered significant.

Construction workers may potential contact subsurface soil, however, COPC were found in localized areas, thereby minimizing the exposure area. In addition, excavation limitations are in place to ensure the appropriate personal protective equipment (PPE) is used if soil is disturbed. It is not anticipated that this would be a significant pathway.

5.7 Ecological Assessment

A fish and wildlife resources impact analysis was performed consistent with guidance provided in DER-10. The findings of this analysis (See Appendix K) indicate that no further consideration of impacts to ecological receptors is warranted. Site photographs presented as Appendix L show the lack of ecological habitat under current site conditions. The following bullets provide a summary of site conditions that supports this conclusion:

- The site has a gravel and asphalt cover and is bounded by industrial and residential communities. Therefore, the site and adjacent or downgradient properties do not contain ecological resources.
- Vegetation on-site is limited to sparse grasses growth in the cracks of pavement also within the gravel areas. No trees or shrubs are present onsite. This minimal low quality habitat present does not provide adequate habitat for any endangered, threatened or special concern species.
- Soil contamination is limited to on-site and site-related contamination is localized and not site wide. These areas are located under pavement or gravel.
- Initial results indicate that the site does not contain a groundwater source and that contamination is not migrating offsite.
- There are no surface water features on or immediately adjacent to the site which precludes the presence of fish or aquatic wildlife on or adjacent to the site.
- Stormwater or snow melt from the site and flow overland into on-site stormwater features (such as catch basins, dry wells, or storm sewers) where it is conveyed via the City of Rochester sewer system. Stormwater from the site does not flow into any natural channels surrounding the site.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The focus of the RI was to fill data gaps from previous investigations to meet the following objectives:

- Determine the nature and extent of contamination in the media investigated
- Delineate sources(s) of contamination
- Assess the impact of contamination on the public and/or the environment
- Assess whether there is a potential concern for exposure to contamination for the public and/or the environment
- Provide information to support the Development of a Remedial Action Work Plan to address the contamination

A summary of RI findings is provided below.

6.1 Conclusions

6.1.1 Historic Fill

Numerous investigations completed since the imaging plant was closed have revealed the presence of fill materials that do not appear to be related to any former process. A few borings completed when the site was an operating facility noted the presence of a historic fill layer. Two distinct fill types are present at the site. Fill, ranging in thickness from one to seven feet, is present in nearly all locations investigated in the southern parcel and consists primarily of bricks, wood, concrete, ash, and cinders. Elevated levels of PAHs are common in the fill material and are comparable to background levels. Borings completed in the northern parcel indicate a discontinuous layer of historic fill that is one to five feet thick and consists of reworked soils containing wood, gravel, and cinders. Similar to the fill in the southern parcel, PAHs in this historic fill can also be elevated. The historic fill in both portions of the site contains no groundwater. The horizontal and vertical extent of the historic fill has been determined. For the most part, constituents in the historic fill have not impacted the underlying native soils and either gravel or asphalt covers the fill.

6.1.2 Surface Soils

Background Soils

Soil samples collected to assess background conditions represent native soils that have been exposed to urban industrial conditions. As a result, organic compounds identified in the background samples represent localized conditions on and around the site. Metal constituents in background were detected at concentrations that fall within the minimum concentration range for regional soil background and are not indicative of historic fill material on site.

Soils Along the Railroad Spur

PCB aroclor 1260 was detected in the soils along the west side of the former process area at concentration below restricted residential criteria. Cover material in the portion of the site consists of two to ten inches of gravel.

Southern and Northern Parcels

Surface soils in the northern portion of the site, formerly used for employee parking, are covered with asphalt pavement. One surface soil sample collected in the northern parcel, consisting of fill material, reported PAHs and lead above SCOs. Lead was reported at a concentration of 2,280 mg/kg at boring B-N-05, the highest concentration of lead reported for all the surface soil samples collected onsite. The reported concentration of lead at this location is considered localized in light of other soil results from the northern parcel. Concentration of PAHs reported for this location were above SCOs but below the site-specific background levels.

Surface soil samples were collected from the fill material at twelve locations in the southern parcel where former processes were located. Concentrations of arsenic, cadmium, and lead were reported above SCOs at three of the twelve locations. With the exception of one location, the sample results coincide with areas where soil removal has previously been proposed (Areas 2 and 4). Shallow fill material at test pit location TP-L05 reported cadmium and silver above SCOs. PAHs report for the six of the twelve surface soil locations were above SCOs and for the most part above the site-specific background levels.

6.1.3 Subsurface Soils

Southern and Northern Parcels

Two of the nine subsurface soils collected in the northern parcel, at locations B-N-02 (arsenic) and B-N-05 (lead) reported metals above SCOs. A deeper sample collected at B-N-02 reported metals concentrations below criteria. Four of the eight subsurface samples reported PAHs above SCOs. The PAHs concentrations were lower than those reported for subsurface soil samples collected in the southern parcel.

One of the eighteen subsurface soils collected in the southern parcel, at test pit location TP-07 (cadmium), reported metals above SCOs. TP-07 was completed adjacent to Area 7 where soil removal has been previously proposed. Four of the eight subsurface samples reported PAHs above SCOs. The PAHs concentrations were lower than those reported for subsurface soil samples collected in the southern parcel.

6.1.4 Metals Delineation

The RI soil sampling delineated four of the five areas where elevated levels of cadmium and silver had been previously noted. Additional sampling beyond the RIWP scope conducted at Area 2 did not delineate the northern extent of this area. Area 2 represents the site of the former silver recovery building. Additional delineation sampling at Area 2 is planned.

6.1.5 Catch Basin Solids

Three storm water catch basins in the northern parcel contain limited quantities of solids from surface runoff that reported contaminated that would be expected at such structures. Samples from the catch basin reported BTEX compounds, PAHs, and metals associated with the former processes. Catch basin CB-03, located in the center of the northern parcel, reported the highest constituent levels which are attributed to the fine-grained makeup of the solids. No further assessment of the storm water catch basins is warranted.

6.1.6 Groundwater

The RI confirmed the absence of groundwater in the overburden and determined that the upper bedrock has a low hydraulic conductivity. Hydraulic monitoring indicates predominant groundwater flow direction to the north and suggests a hydraulic connection to off-site sewers that are constructed into bedrock. Further evaluation is needed to fully evaluate the connection. Groundwater sample results indicate no impact from the metals used in the former manufacturing processes. Analytical results from two of the eight monitoring wells reported chlorinated VOCs above NYSDEC Technical and Operational Guidance Series 1.1.1.criteria. Site records, indicating the use of only alcohol-based solvents and the location of exceedances, suggest an off-site source. Groundwater use is prohibited by a City of Rochester ordinance. Additional monitoring will be collected to fully support the premise that the site does not contain a groundwater source and that contamination is not migrating offsite.

6.1.7 Qualitative Exposure Assessment

A qualitative human health exposure assessment and a fish and wildlife resources impact analysis were completed to evaluate whether the site poses an existing or potential hazard to the exposed or potentially exposed receptors. The human health exposure assessment identified complete exposure pathways for soil under both current and future landuse. However, it is not reasonably expected that the potential complete exposure pathways at the site would be significant. The fish and wildlife resource impact analysis indicated that no further consideration of impacts to ecological receptors is warranted. Based on these analyses, the site does not pose an existing or potential hazard to potentially exposed human or ecological receptors.

6.2 Recommendations

The following are recommendations for further on-site investigation activities:

- Additional soil sampling to delineate the northern extent of metals in soil in Area 2
- Continued hydraulic monitoring to better understand off-site sewers on groundwater flow
- Modification of the groundwater parameter list to include VOCs, metals, and field groundwater quality

Metals delineation sampling beyond the RI scope did not fully delineate metals in soil in Area 2. Additional sampling is planned to delineate the northern extent of Area 2. The sampling will be conducted in accordance with the procedures described in the RIWP.

Hydraulic monitoring conducted during the RI suggests a connection between the sewers beneath Driving Park Avenue and possibly Argo Park. Additional monitoring will help define the connection and will provide the opportunity to monitor seasonal groundwater trends.

As described in the RIWP, the first round of groundwater results were reviewed to determine if modification to the parameter list is warranted. DuPont has proposed omitting the following parameters:

- Ethanol, methanol
- Isopropanol, n-Butanol
- TCL Pesticides/PCBs
- Perfluorooctanoic acid (PFOA)

With Agency approval, the second round of groundwater sampling will not include these parameters. Groundwater sample results to date do not indicate an impact to groundwater from the metals associated with the former processes. With to completion of these recommendations the RI phase of project will be complete.

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NYSDEC. 1994. TAGM 4046 Table 4- Heavy Metals. www.dec.ny/govregulations/36325.html

Oak Ridge National Laboratory Risk Assessment Information System Database. http://rais.ornl.gov/cgi-bin/tox/TOX_select?select=chem

TABLES

Table 3-1
Summary of Analytes Above Criteria:
Previous Investigation
DuPont 666 Driving Park Site
Remedial Investigation Report

results in ug/kg	Boring		C-6B		D-6A	E-5A	E-5B			E-6B		F-3B	F-5B			G-2B		H-1A	H-2B			I-2B	I-3B		I-4B		J-2B		J-3B		K-1A	K-1B	
	Top (ft)		0.5	2.5	5	1	1	3.5	6	1	4	7.5	1	3	6	0.5	3.5	0.5	0.5	3.5	0.5	0.5	3.5	0.5	3.5	0.5	3	0.5	2.5	0	0.5	2.5
	Bottom (ft)	Rest. Resid	2.5	4.5	6.7	8.5	3.5	6	8.5	4	7	9	3	6	9.7	3.5	7	3.5	3.5	6.7	3.5	3.5	6.8	3.5	6.6	3	5.5	2.5	5.1	6	2.5	4.5
ACENAPHTHENE		100000	20000	6500 J	14000	27000	28000	21000	36000	4900 J	2600 J	17000 J	9300 J	47000	71000	5000 J	5100 J	2500 J	7600 J	6600 J	<9000	<19000	1000 J	<45000	<2500	<44000	5400 J	35000 J	13000 J	2300 J	<2100	4000 J
ACENAPHTHYLENE		100000	<2200	<2300	520. J	2300 J	<2300	<2200	2900 J	<2200	200 J	<4400	<2200	<2500	3400 J	<2300	<2300	<2400	<2500	<2100	<9000	<19000	<930 J	<45000	<2500	<44000	<2100	<18000	<8900	<440	<2100	<2200
ANTHRACENE		100000	9800	2300	4900	12000	10000	9400	19000	1500	1500 J	7600	4100 J	22000	40000	1100	1200	230 J	2100	2500	2700	2400 J	210	33000	1100	25000 J	3300	9400	4900	710 J	220 J	1000
BENZO(A)ANTHRACENE		1000	**18000**	**4000**	**5900**	**23000**	**26000**	**18000**	**22000**	**2600**	**2300 J**	**13000**	**6900**	**37000**	**58000**	**3500**	**3000**	**1200**	**6900**	**4300**	**7100**	**7300**	670	**42000**	**1300**	**43000 J**	**6800**	**16000**	**11000**	**2100 J**	980	**2700**
BENZO(A)PYRENE		1000	**18000**	**3900**	**5200**	**20000**	**22000**	**14000**	**15000**	**2300**	**2100 J**	**9900**	**7000**	**27000**	**41000**	**3300**	**2900**	**1400**	**6300**	**4000**	**7900**	**8100**	770	**40000**	**1200**	**42000**	**6600**	**15000**	**12000**	**2200 J**	**1200**	**2300**
BENZO(B)FLUORANTHENE		1000	**13000**	**2800**	**4000**	**16000**	**17000**	**11000**	**12000**	**1700**	**1600 J**	**8500**	**5000**	**22000**	**33000**	**2900**	**2300**	**1000**	**4900**	**3100**	**5700**	**6300 J**	590	**27000**	850	**31000**	**5100**	**11000**	**8700**	**1800 J**	910	**1900**
BENZO(G,H,I)PERYLENE		100000	21000	4700	5400	19000	23000	14000	12000	2000	2300 J	8900	7700	27000	38000	4100	3400	1800	7600	4700	9900	11000	990	41000	1200	49000	7900	17000	15000	2900 J	1600	2300
BENZO(K)FLUORANTHENE		3900	**8300**	1800	2400	**9700**	**11000**	**6900**	**7600**	1100	1000 J	**5300**	3100	**14000**	**21000**	1700	1400	590	2900	1900	3300	3600	340	**17000**	530	**19000**	3100	**6900**	**5200**	1100 J	530	1100
CHRYSENE		3900	**17000**	3600	**5400**	**22000**	**23000**	**16000**	**20000**	2400	2200 J	**11000**	**6300**	**34000**	**51000**	3500	3000	1300	**6600**	**4200**	**6200**	**6900**	660	**35000**	1100	**40000**	**6300**	**15000**	**10000**	2200 J	1100	2700
DIBENZO(A,H)ANTHRACENE		330	**2900**	**660**	**960**	**3200**	**3500**	**2400**	**2800**	260 J	**350 J**	**800**	**1000**	**4000**	**6800**	**430**	**360**	130 J	**660**	**790**	**1200**	**1300 J**	110 J	**9500**	260 J	**6600**	**960**	**2700**	**1800**	**330 J**	160 J	320
FLUORANTHENE		100000	44000	9700	15000	60000	66000	45000	59000	6700	5900 J	37000	17000	98000	**150000**	8500	7200	2800	16000	11000	15000	16000	1500	97000	3100	**110000**	16000	45000	25000	4900 J	2200	7300
FLUORENE		100000	4300	1200 J	3200	6300	4900	5600	15000	820 J	710 J	2200 J	2100	10000	21000	440 J	730 J	<240	680 J	1900	1700 J	2700 J	150 J	32000	1300 J	14000 J	1700	4400 J	2000 J	170 J	<210	560 J
INDENO(1,2,3-CD)PYRENE		500	**14000**	**3600**	**4100**	**14000**	**16000**	**9600**	**9100**	**1500**	**1600 J**	**5000**	**5400**	**19000**	**27000**	**2800**	**2600**	**970**	**5000**	**2900**	**6600**	**7200**	**590**	**31000**	**870**	**31000**	**5200**	**14000**	**10000**	**2100 J**	**950**	**1500**
NAPHTHALENE		100000	2600 J	<2700	3100 J	5000	3300 J	3500 J	8700 J	<2500	550 J	<5100	<2600	6000 J	11000 J	<2700	<2700	<2800	<2900	<2500	<10000	<22000	<1100 J	<52000	<2900	<52000	<2500	<20000	<10000	<520	<2500	<2600
M-CRESOL		100000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
O-CRESOL		100000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
P-CRESOL		100000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PENTACHLOROPHENOL		6700	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PHENANTHRENE		100000	33000	8200	17000	46000	42000	35000	69000	5500	5100 J	30000	14000	82000	**140000**	4700	4300	1200	8300	9800	8600	9900	960	**110000**	3700	93000 J	13000	36000	17000	2700 J	1000	5300
PHENOL		100000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PYRENE		100000	45000	9500	16000	66000	54000	39000	51000	6600	5300 J	30000	16000	90000	**140000**	7700	6600	2900	14000	9400	17000	16000	1700	**100000**	3300	**110000**	17000	43000	27000	5200 J	2100	6200

results in ug/kg	Boring		K-3A			L-4A			M-1A	M-3A	SB-01	SB-02	SB-07	SB-16A	SB-16B		SB-17	SB-18	SB-19	SB-20	SB-24	SB-25	SB-26	TP-01A	TP-02A	TP-02B	TP-03		NATIVE
	Top (ft)		0.2	3.2	6.2	0.5	4	8	0.5	0.5	2	0	0	0.5	0.5	3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	4	4	4	0	2	SB-1
	Bottom (ft)	Rest. Resid	3.2	6.2	9.2	4	8	10.2	5.2	5	4	2	2	8	3	5	4.5	4	4	3	4	4	4	5	5	5	2	4	6
ACENAPHTHENE		100000	<47000	<46000	73000 J	14000	**120000**	32000	18000 J	26000	21000	2900	<350	32000	7700 J	69000	4100 J	7800 J	<2700	3100 J	67000	28000 J	60000	99 J	3700 J	<37	2300 J	9400 J	340. J
ACENAPHTHYLENE		100000	<47000	<46000	<46000	<440	<440	<490	<440	<450	<980	52 J	<350	<2300	<2300	85000	<2300	<2600	<2700	<930	<9700	<9700	<3900	<39	<380	<37	<360	<960	<37
ANTHRACENE		100000	9100	9700	33000	7100	78000	14000	7500 J	8200	46000	5800	940 J	18000 J	3100	**120000**	1700	3400	820	1400	42000	11000	26000	220 J	7400	<37	3600 J	17000	930
BENZO(A)ANTHRACENE		1000	**20000**	**18000**	**62000**	**11000**	**80000**	**16000**	**13000 J**	**16000**	**73000**	**13000**	**4300**	**20000 J**	**5500**	**89000**	**2400**	**3000**	**1400**	**3000**	**50000**	**26000**	**58000**	870	**19000**	<37	**7600**	**30000**	**1200**
BENZO(A)PYRENE		1000	**20000**	**19000**	**62000**	**8600**	**55000**	**12000**	**10000 J**	**14000**	**56000**	**11000**	**4700**	**13000**	**4800**	**57000**	**2700**	**2200**	**1400**	**3200**	**52000**	**27000**	**50000**	830	**17000**	<37	**7000**	**28000**	980
BENZO(B)FLUORANTHENE		1000	**15000 J**	**14000 J**	**47000**	**7300**	**48000**	**10000**	**8600 J**	**12000**	**70000**	**15000**	**6300**	**12000**	**4000**	**44000**	**1900**	**1900**	**1000**	**2200**	**33000**	**18000**	**37000**	**1000**	**22000**	<37	**9300**	**34000**	**1200**
BENZO(G,H,I)PERYLENE		100000	24000	22000	71000	9200	54000	12000	10000 J	16000	35000	6600	3100 J	14000 J	5200	46000	3400	1800	1300	3200	55000	26000	52000	660	12000	<37	4700	18000	560
BENZO(K)FLUORANTHENE		3900	**9200**	**8300**	**28000**	**4600**	**31000**	**6300**	**5300 J**	**7400**	**29000**	**6000**	2500 J	**7200**	2400	**28000**	1100	1100	610	1300	**21000**	**12000**	**24000**	450	**9100**	<37	3400 J	**14000**	540
CHRYSENE		3900	**18000**	**16000**	**56000**	**9700**	**69000**	**14000**	**12000 J**	**14000**	**67000**	**12000**	**5000**	**19000 J**	**5300**	**77000**	2200	2900	1400	2500	**43000**	**23000**	**51000**	920	**19000**	<37	**7400**	**29000**	1100
DIBENZO(A,H)ANTHRACENE		330	**2800 J**	**3500 J**	**14000**	**1800**	**12000**	**2800**	**2000 J**	**2900**	**12000**	**2100**	**970 J**	**2100 J**	**680**	**12000**	**440**	240 J	240 J	**440**	**6400**	**6600**	**8500**	220 J	**4100**	<37	**1500 J**	**5100 J**	200 J
FLUORANTHENE		100000	47000	39000	**140000**	28000	**220000**	42000	36000 J	39000	**150000**	25000	11000	80000 J	14000	**290000**	6300	11000	3800	6600	**140000**	63000	**140000**	1500	36000	<37	15000	70000	2600
FLUORENE		100000	4700 J	<4600	17000 J	3600	56000	12000	2700 J	5300	21000	2800	400 J	4900 J	2300	**170000**	1500 J	3500	520 J	560 J	20000	5300 J	13000	70 J	3600 J	<37	1900 J	8200 J	470
INDENO(1,2,3-CD)PYRENE		500	**16000**	**16000**	**50000**	**7300**	**47000**	**9300**	**7900**	**13000**	**40000**	**7500**	**3500 J**	**9700 J**	**3400**	**36000 J**	**2300**	**1300**	**930**	**2300**	**39000**	**23000**	**38000**	**720**	**13000**	<37	**5300**	**20000**	**650**
NAPHTHALENE		100000	<54000	<54000	<53000	<520	<520	4100	<520 J	<530	8400 J	640	<350	4000 J	<2700	**300000**	3100 J	<3100	<3200	<1100	<11000	<11000	<4500	<39	890 J	<37	560 J	1700 J	220. J
M-CRESOL		100000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
O-CRESOL		100000	---	---	---	---	---	---	---	---	<980	72 J	<350	---	---	---	---	---	---	---	---	---	---	<39	<380	<37	<360	<960	<37
P-CRESOL		100000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
PENTACHLOROPHENOL		6700	---	---	---	---	---	---	---	---	<4900	<200	<1800	---	---	---	---	---	---	---	---	---	---	<200	<2000	<190	<1900	<4800	<190
PHENANTHRENE		100000	35000	31000	**100000**	20000	**240000**	45000	25000 J	28000	**170000**	23000	7000	19000 J	11000	**460000**	6600	14000	2800	5100	**140000**	40000	90000	860	31000	<37	13000	68000	3300
PHENOL		100000	---	---	---	---	---	---	---	---	<2000	440	<720	---	---	---	---	---	---	---	---	---	---	<80	<780	<76	<730	<2000	<74
PYRENE		100000	47000	43000	**150000**	24000	**190000**	36000	31000 J	35000	**140000**	23000	11000	74000 J	15000	**240000**	7100	11000	4300	6900	**140000**	60000	**130000**	1600	36000	<37	15000	64000	2400

			Fill Soils Metals										Native Soils Metals				
results in mg/kg	Boring		D-1A	E-5B	F-5B	G-5A	H-2B	I-3B		RMP-2	SB-02	SB-15	D-1A	SB-02A	SB-02	SB-03	RMP-5
	Date		11/4/02	9/12/03	9/12/03	11/6/02	9/12/03	9/12/03		10/3/96	10/2/01	11/8/02	11/14/02	11/8/02	10/2/01	10/2/01	10/2/96
	Top (ft)		1	1	1	0.5	3.5	0.5	3.5	8	0	0.5	6.5	5	2	2	4
	Bottom (ft)	Rest. Resid	6	3.5	3	6	6.7	3.5	6.8	10	2	4	7.5	6	4	4	6
ARSENIC		16	---	---	---	---	---	---	---	---	4.2	---	---	---	3.4	6.7	---
BARIUM		400	---	---	---	---	---	---	---	---	134	---	---	---	21.6	255	---
BERYLLIUM		72	---	---	---	---	---	---	---	---	0.47	---	---	---	0.36	0.94	---
CADMIUM		4.3	**213 J**	**6.43**	1.09	**11.9 J**	0.419 J	**136**	**8.69**	**56.5**	**299**	**11**	**1590**	**78.1**	**716**	0.82	**5.3**
CHROMIUM		180*	15.6	15.8	19.6	12.3	12.8	23	15.7	---	53	20.3 J	48.5 J	14.8 J	144	18.8	---
CHROMIUM, HEX		110	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
COPPER		270	---	---	---	---	---	---	---	---	29.4	---	---	---	17.8	10.7	---
TOTAL CYANIDE		27											---	---	---	---	---
LEAD		400	128 J	50.9 J	42.5 J	16.9 J	**663 J**	36	17.9	43	36.3	53.2	120	16.3	4.6	15.1	17
MANGANESE		2000	---	---	---	---	---	---	---	---	604	---	---	---	349	**2330**	---
MERCURY		0.81	0.082 J	0.0513 J	0.0675 J	0.025 J	0.0796 J	0.217	0.0491 J	0.12	0.19	0.078 J	0.052 U	<0.011 J	0.02 J	0.079 J	<0.03
NICKEL		310	---	---	---	---	---	---	---	---	10.6	---	---	---	11.8	15.4	---
SELENIUM		180	---	---	---	---	---	---	---	---	<0.1	---	---	---	<0.1	0.17 J	---
SILVER		180	**317 J**	34.3 J	**195 J**	78	9.43 J	139	8.31	135	**334**	29.1 J	**408**	12.6 J	**224**	1.1	0.96
ZINC		10000	---	---	---	---	---	---	---	---	115	---	---	---	28.5	83	---

NOTES:
- - Not Sampled for constituent
J: Estimated Concentration
U: Result considered ND

Table 4-1
Sampling Summary and Rationale
Remedial Investigation Report
DuPont 666 Driving Park Site

SAMPLING OBJECTIVE	TASK	NUMBER OF LOCATIONS	NUMBER OF SAMPLES	SAMPLE DEPTHS	LOCATION	FULL TCL	TAL METALS	METHANOL & ALCOHOLS	PFOA	COMMENTS
SOILS Process Sumps/Structures	Characterize former process sumps/structures	6	12	One fill and one native soil sample from each test pit, target depths to be field determined See Table 4-5	TP-L05	X	X	-	X	Characterize fill/native soils in vicinity of former process structures and suspected UST (TP-E3)
					TP-L07	X	X	-	X	
					TP-L08	X	X	X	X	
					TP-L09	X	X	X	X	
					TP-L15	X	X	-	X	
					TP-E3	X	X	X	X	
SOILS Northern Area	Soil delineation	7	10	Fill and native soil samples. See Table 4-2	B-N-01	X	X	-	-	Fill data gaps in the Northern Portion of the site
					B-N-02	X	X	-	-	
					B-N-03	X	X	-	-	
					B-N-04	X	X	-	-	
					B-N-05	X	X	-	-	
					B-N-06	X	X	-	-	
					B-N-07	X	X	-	-	
SOILS Southern Area	Soil delineation	6	10	Fill and native soil samples. See Table 4-3	B-S-01	X	X	X	-	Characterize the fill and soils for additional parameters
					B-S-02	X	X	-	-	
					B-S-03	X	X	-	X	
					B-S-04	X	X	-	-	
					B-S-05	X	X	X	X	
					B-S-06	X	X	X	X	
SOILS West Site Border	PCB Sampling	6	6	0 to 6 inches (below gravel) See Table 4-6	PCB-01	PCBs only	-	-	-	Inside of property fence adjacent to railroad spur west of the site
					PCB-02	PCBs only	-	-	-	
					PCB-03	PCBs only	-	-	-	
					PCB-04	PCBs only	-	-	-	
					PCB-05	PCBs only	-	-	-	
					MW-04	PCBs only	-	-	-	
SOILS Off-site	Background Soil Sampling	2	2	Native soil 0 to 2-inches (below topsoil) See Table 4-9	BGS-01	X	X	-	X	Establish site-specific background levels
					BGS-02	X	X	-	X	
SOILS Well Borings	Groundwater investigation	7	8	See Table 4-4	MW-02	X	X	-	X	Characterize the fill and soils for additional parameters
					MW-03	X	X	-	-	
					MW-04	X	X	-	-	
					MW-05	X	X	-	-	
					MW-06	X	X	-	X	
					MW-07	X	X	-	-	
					MW-09	X	X	X	X	
SOLIDS Catch Basins	Stormwater Catch Basin Sampling	3	3	One grab sample from each location. See Table 4-10	CB-01	X	X	-	-	Fill data gap
					CB-02	X	X	-	-	
					CB-03	X	X	-	-	
GROUNDWATER Monitoring Wells	Groundwater Investigation	8	8	Low-flow sampling, pump intake positioned at the water-bearing zone See Table 4-13	MW-01	X	X	-	X	Second sampling round parameters will be based on first round results.
					MW-02	X	X	-	X	
					MW-03	X	X	-	X	
					MW-04	X	X	X	X	
					MW-05	X	X	-	X	
					MW-06	X	X	X	X	
					MW-07	X	X	-	X	
					MW-09	X	X	X	X	

Table 4-2
Northern Parcel Soil Results
Remedial Investigation Report
DuPont 666 Driving Park Site

Lab Analyte	Units	Total (T)/ Diss. (D)	Background Soil Concentration	NYS Background Soil Concentration	NY Soil Restrict Use PPH-RR	Regional Screening Levels (a)	Regional Screening Levels (a)	Surface Soil	Subsurface Soil									
								B-N-05* 8/13/08 1-3	B-N-01 8/12/08 2-4	B-N-01 (DUP) 8/12/08 6-7	B-N-01 8/12/08 6-7	B-N-02 8/12/08 2-4	B-N-02 8/12/08 5-6	B-N-03 8/12/08 2-3	B-N-04 8/13/08 4-5	B-N-05* 8/13/08 5-6	B-N-06 8/13/08 3-4	B-N-07 8/13/08 2-3
Fill (F) / Native (N)								F	F	N	N	F	N	N	N	N	N	N
Volatile Organic Compounds																		
1,1,1-TRICHLOROETHANE	MG/KG	T			100			ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2,2-TETRACHLOROETHANE	MG/KG	T				0.59		ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UR	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-TRICHLOROETHANE	MG/KG	T				1.1		ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-DICHLOROETHANE	MG/KG	T			26			ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-DICHLOROETHENE	MG/KG	T			100			ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-DICHLOROBENZENE	MG/KG	T			100			ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
1,2-DICHLOROETHANE	MG/KG	T			3.1			ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-DICHLOROPROPANE	MG/KG	T				0.93		ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3-DICHLOROBENZENE	MG/KG	T			49			ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
1,4-DICHLOROBENZENE	MG/KG	T			13			ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
2-BUTANONE	MG/KG	T	0.013		100			**0.015 J**	**0.007 J**	**0.006 J**	**0.004 J**	ND (0.014) UJ	**0.008 J**	ND (0.007)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-HEXANONE	MG/KG	T						ND (0.005) UJ	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.01) UJ	ND (0.004)	ND (0.005)	ND (0.004)	ND (0.003)	ND (0.004)	ND (0.004)
2-PROPANOL	MG/KG	T																
4-METHYL-2-PENTANONE	MG/KG	T				5300		ND (0.005) UJ	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.01) UJ	ND (0.004)	ND (0.005)	ND (0.004)	ND (0.003)	ND (0.004)	ND (0.004)
ACETONE	MG/KG	T	0.13		100			**0.091 J**	**0.045 J**	**0.053**	**0.047**	**0.074 J**	**0.078**	**0.049**	**0.047**	**0.035**	**0.024 J**	**0.029**
BENZENE	MG/KG	T	0.006		4.8			**0.006 J**	**0.009 J**	**0.015**	**0.013**	ND (0.002) UJ	**0.017**	**0.018**	**0.011**	**0.009**	ND (0.0007)	ND (0.0006)
BROMODICHLOROMETHANE	MG/KG	T				10		ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
BROMOFORM	MG/KG	T				61		ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
BROMOMETHANE	MG/KG	T				7.9		ND (0.003) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.007) UJ	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)
CARBON DISULFIDE	MG/KG	T				670		**0.004 J**	**0.002 J**	ND (0.001)	ND (0.001)	**0.007 J**	**0.001 J**	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
CARBON TETRACHLORIDE	MG/KG	T			2.4			ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
CHLOROBENZENE	MG/KG	T			100			ND (0.002) UJ	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
CHLOROETHANE	MG/KG	T				15000		ND (0.003) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.007) UJ	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)
CHLOROFORM	MG/KG	T			49			ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
CHLOROMETHANE	MG/KG	T				1.7		ND (0.003) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.007) UJ	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)
CIS-1,2-DICHLOROETHENE	MG/KG	T			100			ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
CIS-1,3-DICHLOROPROPENE (3)	MG/KG	T						ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
DIBROMOCHLOROMETHANE	MG/KG	T				5.8		ND (0.002) UJ	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
ETHANOL (BY DIRECT INJECTION)	MG/KG	T																
ETHYLBENZENE	MG/KG	T			41			ND (0.002) UJ	ND (0.001) UJ	**0.002 J**	**0.001 J**	ND (0.003) UJ	**0.002 J**	**0.003 J**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
METHANOL (BY DIRECT INJECTION)	MG/KG	T																
METHYLENE CHLORIDE	MG/KG	T			100			ND (0.003) UJ	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.007) UJ	ND (0.002)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)
N-BUTANOL	MG/KG	T																
STYRENE	MG/KG	T				6500		ND (0.002) UJ	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
TETRACHLOROETHENE	MG/KG	T			19			ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
TOLUENE	MG/KG	T	0.01		100			**0.007 J**	**0.012 J**	**0.039**	**0.033**	ND (0.003) UJ	**0.047**	**0.04**	**0.027**	**0.024**	ND (0.001)	ND (0.001)
TRANS-1,2-DICHLOROETHENE	MG/KG	T			100			ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
TRANS-1,3-DICHLOROPROPENE (3)	MG/KG	T						ND (0.002) UJ	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
TRICHLOROETHENE	MG/KG	T			21			ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
VINYL CHLORIDE	MG/KG	T			0.9			ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.003) UJ	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
XYLENE (TOTAL)	MG/KG	T	0.006		100			**0.004 J**	**0.007 J**	**0.033**	**0.025**	ND (0.003) UJ	**0.041**	**0.035**	**0.019**	**0.02**	ND (0.001)	ND (0.001)

Criteria=NY Soil PPH Restricted Residential
ND=Non detect at stated reporting limit
Highlight = detected above stated criteria
Bold = detected above MDL
J = detected between MDL and PQL, should be considered an estimate

Table 4-2
Northern Parcel Soil Results
Remedial Investigation Report
DuPont 666 Driving Park Site

Lab Analyte	Units	Total (T)/ Diss. (D)	Background Soil Concentration	NYS Background Soil Concentration	NY Soil Restrict Use PPH-RR	Regional Screening Levels (a)	Regional Screening Levels (a)	Surface Soil	Subsurface Soil									
								B-N-05* 8/13/08 1-3	B-N-01 8/12/08 2-4	B-N-01 (DUP) 8/12/08 6-7	B-N-01 8/12/08 6-7	B-N-02 8/12/08 2-4	B-N-02 8/12/08 5-6	B-N-03 8/12/08 2-3	B-N-04 8/13/08 4-5	B-N-05* 8/13/08 5-6	B-N-06 8/13/08 3-4	B-N-07 8/13/08 2-3
Fill (F) / Native (N)								F	F	N	N	F	N	N	N	N	N	N
Semi-Volatile Organic Compounds																		
1,2,4-TRICHLOROBENZENE	MG/KG	T				87		ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
2,2-OXYBIS(1-CHLOROPROPANE)	MG/KG	T				3.5		ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
2,4,5-TRICHLOROPHENOL	MG/KG	T				6100		ND (0.37)	ND (0.077)	ND (0.074)	ND (0.073)	ND (0.084)	ND (0.08)	ND (0.083)	ND (0.076)	ND (0.39)	ND (0.082)	ND (0.081)
2,4,6-TRICHLOROPHENOL	MG/KG	T				44		ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
2,4-DICHLOROPHENOL	MG/KG	T				180		ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
2,4-DIMETHYLPHENOL	MG/KG	T				1200		ND (0.37)	ND (0.077)	ND (0.074)	ND (0.073)	ND (0.084)	ND (0.08)	ND (0.083)	ND (0.076)	ND (0.39)	ND (0.082)	ND (0.081)
2,4-DINITROPHENOL	MG/KG	T				120		ND (3.7)	ND (0.77) R	ND (0.74)	ND (0.73)	ND (0.84)	ND (0.8)	ND (0.83)	ND (0.76)	ND (3.9)	ND (0.82)	ND (0.81)
2,4-DINITROTOLUENE	MG/KG	T				120		ND (0.37)	ND (0.077)	ND (0.074)	ND (0.073)	ND (0.084)	ND (0.08)	ND (0.083)	ND (0.076)	ND (0.39)	ND (0.082)	ND (0.081)
2,6-DINITROTOLUENE	MG/KG	T				61		ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
2-CHLORONAPHTHALENE	MG/KG	T				6300		ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
2-CHLOROPHENOL	MG/KG	T				390		ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
2-METHYLNAPHTHALENE	MG/KG	T				310		ND (0.18)	**0.057 J**	ND (0.037)	ND (0.037)	**0.32**	**0.064 J**	ND (0.041)	**0.38**	ND (0.19)	ND (0.041)	ND (0.04)
2-METHYLPHENOL	MG/KG	T			100			ND (0.37)	ND (0.077)	ND (0.074)	ND (0.073)	ND (0.084)	ND (0.08)	ND (0.083)	ND (0.076)	ND (0.39)	ND (0.082)	ND (0.081)
2-NITROANILINE	MG/KG	T						ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
2-NITROPHENOL	MG/KG	T						ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
3,3-DICHLOROBENZIDINE	MG/KG	T				1.1		ND (0.55)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.12)	ND (0.11)	ND (0.58)	ND (0.12)	ND (0.12)
3-NITROANILINE	MG/KG	T				18		ND (0.37)	ND (0.077)	ND (0.074)	ND (0.073)	ND (0.084)	ND (0.08)	ND (0.083)	ND (0.076)	ND (0.39)	ND (0.082)	ND (0.081)
4,6-DINITRO-2-METHYLPHENOL	MG/KG	T				6.1		ND (0.92)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.97)	ND (0.2)	ND (0.2)
4-BROMOPHENYL-PHENYLETHER	MG/KG	T						ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
4-CHLORO-3-METHYLPHENOL	MG/KG	T						ND (0.37)	ND (0.077)	ND (0.074)	ND (0.073)	ND (0.084)	ND (0.08)	ND (0.083)	ND (0.076)	ND (0.39)	ND (0.082)	ND (0.081)
4-CHLOROANILINE	MG/KG	T				9		ND (0.37)	ND (0.077)	ND (0.074)	ND (0.073)	ND (0.084)	ND (0.08)	ND (0.083)	ND (0.076)	ND (0.39)	ND (0.082)	ND (0.081)
4-CHLOROPHENYL-PHENYLETHER	MG/KG	T						ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
4-METHYLPHENOL	MG/KG	T			100			ND (0.37)	ND (0.077)	ND (0.074)	ND (0.073)	ND (0.084)	ND (0.08)	ND (0.083)	ND (0.076)	ND (0.39)	ND (0.082)	ND (0.081)
4-NITROANILINE	MG/KG	T				23		ND (0.37)	ND (0.077)	ND (0.074)	ND (0.073)	ND (0.084)	ND (0.08)	ND (0.083)	ND (0.076)	ND (0.39)	ND (0.082)	ND (0.081)
4-NITROPHENOL	MG/KG	T						ND (0.92)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.97)	ND (0.2)	ND (0.2)
ACENAPHTHENE	MG/KG	T	0.42		100			**0.3 J**	**0.44**	ND (0.037)	ND (0.037)	**0.25**	ND (0.04)	ND (0.041)	**0.42**	**0.75 J**	ND (0.041)	ND (0.04)
ACENAPHTHYLENE	MG/KG	T			100			ND (0.18)	**0.15 J**	ND (0.037)	ND (0.037)	**0.67**	**0.077 J**	ND (0.041)	**1.2**	**0.31 J**	ND (0.041)	ND (0.04)
ANTHRACENE	MG/KG	T	1.3		100			**0.81 J**	**1.3**	ND (0.037)	ND (0.037)	**1.5**	**0.13 J**	ND (0.041)	**2.8**	**1.6**	ND (0.041)	ND (0.04)
BENZO(A)ANTHRACENE	MG/KG	T	3.2		1			**2.4**	**4 J**	ND (0.037)	ND (0.037)	**2.9**	**0.14 J**	ND (0.041)	**3.8**	**2.9**	ND (0.041)	**0.1 J**
BENZO(A)PYRENE	MG/KG	T	3.4		1			**2.1**	**3.1**	ND (0.037)	ND (0.037)	**2.4**	**0.11 J**	ND (0.041)	**2.5**	**2.4**	ND (0.041)	**0.099 J**
BENZO(B)FLUORANTHENE	MG/KG	T	4.6		1			**2.8**	**4.5 J**	ND (0.037)	**0.06 J**	**3.1**	**0.14 J**	ND (0.041)	**3.2**	**3.4**	ND (0.041)	**0.13 J**
BENZO(G,H,I)PERYLENE	MG/KG	T	2.6		100			**1.3**	**2**	ND (0.037)	ND (0.037)	**1.3**	**0.079 J**	ND (0.041)	**1.2**	**1.5**	ND (0.041)	**0.076 J**
BENZO(K)FLUORANTHENE	MG/KG	T	1.8		3.9			**1**	**1.8**	ND (0.037)	ND (0.037)	**1.3**	**0.062 J**	ND (0.041)	**1.4**	**1.3**	ND (0.041)	**0.05 J**
BIS(2-CHLOROETHOXY)METHANE	MG/KG	T				180		ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
BIS(2-CHLOROETHYL)ETHER	MG/KG	T				0.19		ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T				35		**0.95 J**	**0.12 J**	**0.45**	**0.76**	**0.14 J**	ND (0.08)	ND (0.083)	**0.078 J**	ND (0.39)	ND (0.082)	**0.18 J**
BUTYLBENZYLPHTHALATE	MG/KG	T				260		ND (0.37)	ND (0.077)	ND (0.074)	ND (0.073)	ND (0.084)	ND (0.08)	ND (0.083)	ND (0.076)	ND (0.39)	ND (0.082)	ND (0.081)
CARBAZOLE	MG/KG	T	0.69					**0.29 J**	**0.49 J**	ND (0.037)	ND (0.037)	**0.47**	**0.073 J**	ND (0.041)	**0.64**	**0.82 J**	ND (0.041)	ND (0.04)
CHRYSENE	MG/KG	T	3.5		3.9			**2.3**	**3.6 J**	ND (0.037)	ND (0.037)	**2.4**	**0.12 J**	ND (0.041)	**3.1**	**3.3**	ND (0.041)	**0.12 J**
DIBENZ(A,H)ANTHRACENE	MG/KG	T	1.2		0.33			**0.31 J**	**0.61**	ND (0.037)	ND (0.037)	**0.43**	ND (0.04)	ND (0.041)	**0.36**	**0.35 J**	ND (0.041)	ND (0.04)
DIBENZOFURAN	MG/KG	T	0.2		59			**0.19 J**	**0.28**	ND (0.037)	ND (0.037)	**0.75**	**0.078 J**	ND (0.041)	**1.2**	**0.5 J**	ND (0.041)	ND (0.04)
DIETHYLPHTHALATE	MG/KG	T				49000		ND (0.37)	ND (0.077)	ND (0.074)	ND (0.073)	ND (0.084)	ND (0.08)	ND (0.083)	ND (0.076)	ND (0.39)	ND (0.082)	ND (0.081)
DIMETHYLPHTHALATE	MG/KG	T						ND (0.37)	ND (0.077)	ND (0.074)	ND (0.073)	ND (0.084)	ND (0.08)	ND (0.083)	ND (0.076)	ND (0.39)	ND (0.082)	ND (0.081)
DI-N-BUTYLPHTHALATE	MG/KG	T				6100		ND (0.37)	ND (0.077)	ND (0.074)	ND (0.073)	ND (0.084)	ND (0.08)	ND (0.083)	ND (0.076)	ND (0.39)	ND (0.082)	ND (0.081)
DI-N-OCTYLPHTHALATE	MG/KG	T						ND (0.37)	ND (0.077)	ND (0.074)	ND (0.073)	ND (0.084)	ND (0.08)	ND (0.083)	ND (0.076)	ND (0.39)	ND (0.082)	ND (0.081)

Criteria=NY Soil PPH Restricted Residential
ND=Non detect at stated reporting limit
Highlight = detected above stated criteria
Bold = detected above MDL
J = detected between MDL and PQL, should be considered an estimate

Table 4-2
Northern Parcel Soil Results
Remedial Investigation Report
DuPont 666 Driving Park Site

Lab Analyte	Units	Total (T)/ Diss. (D)	Background Soil Concentration	NYS Background Soil Concentration	NY Soil Restrict Use PPH-RR	Regional Screening Levels (a)	Regional Screening Levels (a)	Surface Soil	Subsurface Soil								
								B-N-05* 8/13/08 1-3	B-N-01 8/12/08 2-4	B-N-01 (DUP) 8/12/08 6-7	B-N-01 8/12/08 6-7	B-N-02 8/12/08 2-4	B-N-02 8/12/08 5-6	B-N-03 8/12/08 2-3	B-N-04 8/13/08 4-5	B-N-05* 8/13/08 5-6	B-N-06 8/13/08 3-4	B-N-07 8/13/08 2-3
Fill (F) / Native (N)								F	F	N	N	F	N	N	N	N	N	N
Semi-Volatile Organic Compounds (continued)																		
FLUORANTHENE	MG/KG	T	7.3		100			**5.1**	**8.3**	ND (0.037)	**0.072 J**	**6.7**	**0.35**	ND (0.041)	**9.2**	**8.4**	ND (0.041)	**0.23**
FLUORENE	MG/KG	T	0.44		100			**0.29 J**	**0.38**	ND (0.037)	ND (0.037)	**0.75**	**0.13 J**	ND (0.041)	**2.5**	**0.75 J**	ND (0.041)	ND (0.04)
HEXACHLOROBENZENE	MG/KG	T			1.2			ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
HEXACHLOROBUTADIENE	MG/KG	T				6.2		ND (0.37)	ND (0.077)	ND (0.074)	ND (0.073)	ND (0.084)	ND (0.08)	ND (0.083)	ND (0.076)	ND (0.39)	ND (0.082)	ND (0.081)
HEXACHLOROCYCLOPENTADIENE	MG/KG	T				370		ND (0.92)	ND (0.19) R	ND (0.18) UJ	ND (0.18)	ND (0.21)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.97)	ND (0.2)	ND (0.2)
HEXACHLOROETHANE	MG/KG	T				35		ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
INDENO(1,2,3-CD)PYRENE	MG/KG	T	2.3		0.5			**1.2**	**1.9**	ND (0.037)	ND (0.037)	**1.3**	**0.062 J**	ND (0.041)	**1.2**	**1.4**	ND (0.041)	**0.067 J**
ISOPHORONE	MG/KG	T				510		ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
NAPHTHALENE	MG/KG	T			100			ND (0.18)	**0.088 J**	ND (0.037)	ND (0.037)	**0.59**	**0.12 J**	ND (0.041)	**0.33**	**0.3 J**	ND (0.041)	ND (0.04)
NITROBENZENE	MG/KG	T				31		ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
N-NITROSO-DI-N-PROPYLAMINE	MG/KG	T				0.069		ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
N-NITROSODIPHENYLAMINE	MG/KG	T				99		ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
PENTACHLOROPHENOL	MG/KG	T			6.7			ND (0.92)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.21)	ND (0.2)	ND (0.21)	ND (0.19)	ND (0.97)	ND (0.2)	ND (0.2)
PHENANTHRENE	MG/KG	T	3.9		100			**3.4**	**4.1 J**	ND (0.037)	ND (0.037)	**4.2**	**0.52**	ND (0.041)	**11**	**7.7**	ND (0.041)	**0.13 J**
PHENOL	MG/KG	T			100			ND (0.18)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.042)	ND (0.04)	ND (0.041)	ND (0.038)	ND (0.19)	ND (0.041)	ND (0.04)
PYRENE	MG/KG	T	7.2		100			**4.5**	**6.1 J**	ND (0.037)	**0.064 J**	**4.3**	**0.24**	ND (0.041)	**6.3**	**6.8**	ND (0.041)	**0.22**
PCBs																		
PCB-1016	MG/KG	T						ND (0.0183)	ND (0.00379) UJ	ND (0.00365) UJ	ND (0.00363) UJ	ND (0.00415) UJ	ND (0.00398)	ND (0.0041) UJ	ND (0.00378)	ND (0.00386)	ND (0.00405)	ND (0.004)
PCB-1221	MG/KG	T						ND (0.0777)	ND (0.0161) UJ	ND (0.0155) UJ	ND (0.0154) UJ	ND (0.0176) UJ	ND (0.0169)	ND (0.0174) UJ	ND (0.016)	ND (0.0164)	ND (0.0172)	ND (0.017)
PCB-1232	MG/KG	T						ND (0.0294)	ND (0.00608) UJ	ND (0.00586) UJ	ND (0.00583) UJ	ND (0.00667) UJ	ND (0.00639)	ND (0.00659) UJ	ND (0.00606)	ND (0.0062)	ND (0.0065)	ND (0.00642)
PCB-1242	MG/KG	T						ND (0.0427)	ND (0.00884) UJ	ND (0.00851) UJ	ND (0.00847) UJ	ND (0.00969) UJ	ND (0.00929)	ND (0.00958) UJ	ND (0.00881)	ND (0.00901)	ND (0.00945)	ND (0.00933)
PCB-1248	MG/KG	T						ND (0.0311)	ND (0.00643) UJ	ND (0.00619) UJ	ND (0.00616) UJ	ND (0.00704) UJ	ND (0.00676)	ND (0.00697) UJ	ND (0.00641)	ND (0.00655)	ND (0.00687)	ND (0.00679)
PCB-1254	MG/KG	T						ND (0.03)	ND (0.0062) UJ	ND (0.00597) UJ	ND (0.00594) UJ	ND (0.00679) UJ	ND (0.00651)	ND (0.00672) UJ	ND (0.00618)	ND (0.00632)	ND (0.00663)	ND (0.00655)
PCB-1260 (2)	MG/KG	T	0.32		1			ND (0.035) UJ	**0.0094 J**	ND (0.00696) UJ	ND (0.00693) UJ	ND (0.00792) UJ	ND (0.0076)	ND (0.00784) UJ	ND (0.00721) UJ	ND (0.00737)	ND (0.00773) UJ	ND (0.00764) UJ
Pesticides																		
ALDRIN	MG/KG	T			0.097			ND (0.0018)	ND (0.0019)	ND (0.00036)	ND (0.00036)	ND (0.0042)	ND (0.0004)	ND (0.00041)	ND (0.00038)	ND (0.0039)	ND (0.0004)	ND (0.0004)
ALPHA BHC	MG/KG	T			0.48			ND (0.0018)	ND (0.0019)	ND (0.00036)	ND (0.00036)	ND (0.0042)	ND (0.0004)	ND (0.00041)	ND (0.00038)	ND (0.0039)	ND (0.0004)	ND (0.0004)
ALPHA CHLORDANE	MG/KG	T	0.0073		4.2			ND (0.00094)	ND (0.00098)	ND (0.00019)	ND (0.00019)	ND (0.0021)	ND (0.00021)	ND (0.00021)	ND (0.00019)	ND (0.002)	ND (0.00021)	ND (0.00021)
BETA BHC	MG/KG	T			0.36			ND (0.0034)	ND (0.0035) R	ND (0.00067)	ND (0.00067)	ND (0.0077)	ND (0.00074)	ND (0.00076)	ND (0.0007)	ND (0.0071)	ND (0.00075)	ND (0.00074)
DELTA BHC	MG/KG	T			100			ND (0.00094)	ND (0.00098)	ND (0.00019)	ND (0.00019)	ND (0.0021)	ND (0.00021)	ND (0.00021)	ND (0.00019)	ND (0.002)	ND (0.00021)	ND (0.00021)
DIELDRIN	MG/KG	T	0.1		0.2			ND (0.0018)	**0.0029 J**	ND (0.00036)	ND (0.00036)	ND (0.0042)	ND (0.0004)	ND (0.00041)	ND (0.00038)	ND (0.0039)	ND (0.0004)	ND (0.0004)
ENDOSULFAN I	MG/KG	T			24			ND (0.0012)	**0.0046 J**	ND (0.00024)	ND (0.00024)	**0.0058 J**	ND (0.00027)	ND (0.00027)	ND (0.00025)	ND (0.0026)	ND (0.00027)	ND (0.00027)
ENDOSULFAN II	MG/KG	T			24			ND (0.0018)	**0.0025 J**	ND (0.00036) UJ	ND (0.00036) UJ	ND (0.0042)	ND (0.0004)	ND (0.00041) UJ	ND (0.00038)	ND (0.0039)	ND (0.0004)	ND (0.0004)
ENDOSULFAN SULFATE	MG/KG	T			24			ND (0.0018)	ND (0.0019)	ND (0.00036) UJ	ND (0.00036) UJ	**0.023**	ND (0.0004)	ND (0.00041) UJ	ND (0.00038)	ND (0.0039)	ND (0.0004)	ND (0.0004)
ENDRIN	MG/KG	T			11			ND (0.0018)	ND (0.0019) UJ	ND (0.00036)	ND (0.00036)	ND (0.0042) UJ	ND (0.0004)	ND (0.00041)	ND (0.00038)	ND (0.0039)	ND (0.0004)	ND (0.0004)
ENDRIN ALDEHYDE	MG/KG	T	0.0048					ND (0.0018) UJ	ND (0.0019)	ND (0.00036) UJ	ND (0.00036) UJ	ND (0.0042)	ND (0.0004)	ND (0.00041) UJ	ND (0.00038) UJ	ND (0.0039) UJ	ND (0.0004) UJ	ND (0.0004) UJ
ENDRIN KETONE	MG/KG	T						ND (0.0018)	ND (0.0019) R	ND (0.00036) UJ	ND (0.00036) UJ	ND (0.0042)	ND (0.0004)	ND (0.00041) UJ	ND (0.00038)	ND (0.0039)	ND (0.0004)	ND (0.0004)
GAMMA BHC - LINDANE	MG/KG	T			1.3			ND (0.00094)	**0.0083 J**	ND (0.00019)	ND (0.00019)	**0.048**	ND (0.00021)	ND (0.00021)	ND (0.00019)	ND (0.002)	ND (0.00021)	ND (0.00021)
GAMMA CHLORDANE	MG/KG	T						ND (0.0055)	ND (0.0057) R	ND (0.0011)	ND (0.0011)	ND (0.013)	ND (0.0012)	ND (0.0012)	ND (0.0011)	ND (0.012)	ND (0.0012)	ND (0.0012)
HEPTACHLOR	MG/KG	T			2.1			ND (0.00094)	ND (0.00098)	ND (0.00019)	ND (0.00019)	ND (0.0021)	ND (0.00021)	ND (0.00021)	ND (0.00019)	ND (0.002)	ND (0.00021)	ND (0.00021)
HEPTACHLOR EPOXIDE	MG/KG	T	0.010			0.053		ND (0.00094)	ND (0.00098)	ND (0.00019)	ND (0.00019)	ND (0.0021)	ND (0.00021)	ND (0.00021)	ND (0.00019)	ND (0.002)	ND (0.00021)	ND (0.00021)
METHOXYCHLOR	MG/KG	T				310		ND (0.0094)	**0.15**	ND (0.0019) UJ	ND (0.0019) UJ	**0.17**	ND (0.0021)	ND (0.0021) UJ	ND (0.0019)	ND (0.02)	ND (0.0021)	ND (0.0021)
P,P-DDD	MG/KG	T	0.0081		13			ND (0.0018)	**0.0064 J**	ND (0.00036)	ND (0.00036)	ND (0.0042)	ND (0.0004)	ND (0.00041)	ND (0.00038)	ND (0.0039)	ND (0.0004)	ND (0.0004)
P,P-DDE	MG/KG	T	0.018		8.9			ND (0.0018)	**0.01**	ND (0.00036)	ND (0.00036)	ND (0.0042)	ND (0.0004)	ND (0.00041)	ND (0.00038)	ND (0.0039)	ND (0.0004)	ND (0.0004)
P,P-DDT	MG/KG	T	0.029		7.9			**0.0023 J**	ND (0.0019) UJ	ND (0.00036) UJ	**0.00093 J**	**0.0064 J**	ND (0.0004)	ND (0.00041) UJ	ND (0.00038)	**0.0043 J**	ND (0.0004)	ND (0.0004)
TOXAPHENE	MG/KG	T				0.44		ND (0.061)	ND (0.063)	ND (0.012)	ND (0.012)	ND (0.14)	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.13)	ND (0.013)	ND (0.013)

Criteria=NY Soil PPH Restricted Residential
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Lab Analyte	Units	Total (T)/ Diss. (D)	Background Soil Concentration	NYS Background Soil Concentration	NY Soil Restrict Use PPH-RR	Regional Screening Levels (a)	Regional Screening Levels (a)	Surface Soil	Subsurface Soil								
								B-N-05* 8/13/08 1-3	B-N-01 8/12/08 2-4	B-N-01 (DUP) 8/12/08 6-7	B-N-01 8/12/08 6-7	B-N-02 8/12/08 2-4	B-N-02 8/12/08 5-6	B-N-03 8/12/08 2-3	B-N-04 8/13/08 4-5	B-N-05* 8/13/08 5-6	B-N-06 8/13/08 3-4	B-N-07 8/13/08 2-3
Fill (F) / Native (N)								F	F	N	N	F	N	N	N	N	N	N
Metals																		
ALUMINUM	MG/KG	T	13200	33000		77000		**11500**	**7900**	**8430**	**11300**	**8910**	**9010**	**16700**	**6540**	**9690**	**13600**	**12700**
ANTIMONY	MG/KG	T				31		**0.465 J**	ND (0.272) R	ND (0.254) R	ND (0.253) R	ND (0.295) R	ND (0.283) R	ND (0.289) R	ND (0.271) R	**0.639 J**	ND (0.288) R	ND (0.282) R
ARSENIC	MG/KG	T	7.2	12	16			**10.7**	**5.08 J**	**2.79 J**	**3.32 J**	**31.3 J**	**6.13**	**5.51 J**	**2.15 J**	**5.9**	**5.99**	**4.73**
BARIUM	MG/KG	T	76	600	400			**144**	**40.1**	**27.9**	**29.4**	**130**	**33.3**	**51**	**40.6**	**51.6**	**42.2**	**50.4**
BERYLLIUM	MG/KG	T	0.59	1.75	72			**0.577**	**0.342 J**	**0.346 J**	**0.315 J**	**1.44**	**0.445 J**	**0.771**	**0.308 J**	**0.426 J**	**0.615**	**0.543 J**
CADMIUM	MG/KG	T	1.7	1	4.3			**2.4 J**	**0.449 J**	ND (0.155)	ND (0.148)	**2.83**	ND (0.164)	ND (0.167)	ND (0.159)	**0.843 J**	ND (0.172)	ND (0.166)
CALCIUM	MG/KG	T	24400	35000				**38900 J**	**122000 J**	**79500 J**	**80600 J**	**15400 J**	**129000**	**54900 J**	**139000 J**	**112000 J**	**89700 J**	**56200 J**
CHROMIUM (1)	MG/KG	T	25	40	30			**23.1**	**10.2**	**9.8**	**9.98**	**28.3**	**8.93**	**15.7**	**6.83**	**16.4**	**12.9**	**13.3**
COBALT	MG/KG	T	6.2	60		23		**8.22**	**3.64**	**4.46**	**6.09**	**9.87**	**4.28**	**6.47**	**3.4**	**6.69**	**6.63**	**6.1**
COPPER	MG/KG	T	31	50	270			**125**	**17.8 J**	**17.5 J**	**27 J**	**129 J**	**14.5 J**	**11.2 J**	**13.6**	**54.8**	**12.1**	**12.4**
IRON	MG/KG	T	18450	550000		55000		**63100**	**13700 J**	**12500 J**	**17500 J**	**72200 J**	**11200**	**17700 J**	**10000**	**32100**	**16200**	**16900**
LEAD*	MG/KG	T	90	500	400			**2280**	**45.1 J**	**5.92 J**	**6.53 J**	**44.9 J**	**10.9**	**20.4 J**	**6.93**	**6550**	**15.5**	**18.4**
MAGNESIUM	MG/KG	T	11220	5000				**15400 J**	**59600 J**	**10800 J**	**10900 J**	**5370 J**	**13400**	**22600 J**	**12300 J**	**18100 J**	**12300 J**	**31500 J**
MANGANESE	MG/KG	T	430	5000	2000			**600 J**	**388 J**	**474 J**	**478 J**	**343 J**	**442**	**530 J**	**360 J**	**432 J**	**365**	**479**
MERCURY	MG/KG	T	0.16	0.2	0.81			0.119	**0.0548 J**	ND (0.0123)	ND (0.012)	**0.118 J**	ND (0.0136)	**0.0229 J**	ND (0.0129)	0.0928 J	ND (0.0138)	**0.0232 J**
NICKEL	MG/KG	T	17	25	310			**19.4**	**9.6**	**12.3**	**16.8**	**26**	**9.46**	**13.2**	**6.73**	**15.5**	**12.6**	**11**
POTASSIUM	MG/KG	T	2640	43000				**3170 J**	**3560 J**	**3520 J**	**3250 J**	**1380 J**	**4420**	**5860 J**	**3590 J**	**4300 J**	**5290 J**	**4530 J**
SELENIUM	MG/KG	T	1.1	3.9	180			ND (0.992)	ND (1.07)	ND (0.998)	ND (0.993)	**2 J**	ND (1.11)	ND (1.13)	ND (2.13)	ND (2.13)	ND (1.13)	ND (1.11)
SILVER	MG/KG	T	10		180			**4.02 J**	**1.12**	**0.231 J**	**0.25 J**	**6.42**	ND (0.199)	**0.216 J**	**0.212 J**	**0.692 J**	**0.357 J**	**0.525 J**
SODIUM	MG/KG	T	211	8000				**1530**	**283 B**	**200 B**	**428 J**	**437**	**361**	**265 B**	**522**	**502**	**689**	**1020**
THALLIUM	MG/KG	T	0.21			5.1		ND (0.16)	ND (0.172)	ND (0.161)	ND (0.16)	0.532 J	ND (0.179)	ND (0.183)	ND (0.172)	ND (0.172)	ND (0.182)	ND (0.178)
VANADIUM	MG/KG	T	27	300		550		**18.9 J**	**21.1**	**17.5**	**29.2**	**47.2**	**12.9**	**22.3**	**11.7 J**	**15.1 J**	**18.6 J**	**20.9 J**
ZINC	MG/KG	T	114	50	10000			**2480 J**	**62 J**	**32.5 J**	**43.6 J**	**72.8 J**	**13.1 J**	**24.5 J**	**31.9 J**	**789 J**	**24.6 J**	**38.7 J**
Miscellaneous																		
MOISTURE	%	T						9.9	12.9	9.5	9.1	20.5	17.1	19.6	12.6	14.1	18.5	17.5
TOTAL CYANIDE	MG/KG	T			27													

Notes:

* B-N-05 (1-3) and B-N-05 (5-6) were analyzed for lead using ICP. The reanalyzed concentrations were 9760 mg/kg for B-N-05-(1-3) and 5940 mg/kg for B-N-05(5-6).

(a) Values used as a surrogate for Restricted Residential Soil Objectives for constituents that lack SCOs.

(1) Value for trivalent Chromium used as former process did not involve hexavalent chromium.

(2) Soil objective is for total PCBs.

(3) Regional Screening Level for total 1,3-Dichloropropene used.

Criteria=NY Soil PPH Restricted Residential
ND=Non detect at stated reporting limit
Highlight = detected above stated criteria
Bold = detected above MDL
J = detected between MDL and PQL, should be considered an estimate

Table 4-3
Southern Parcel Soil Results
Remedial Investigation Report
DuPont 666 Driving Park Site

							Surface Soil								Subsurface Soil					
Lab Analyte	**Units**	**Total (T)/ Diss. (D)**	**Background Soil Concentration**	**NYS Background Soil Concentration**	**NY Soil Restrict Use PPH-RR**	**Regional Screening Levels (a)**	**B-S-01 8/13/08 1-3**	**B-S-01 (DUP) 8/13/08 1-3**	**B-S-01 8/14/08 1-3**	**B-S-01 (DUP) 8/14/08 1-3**	**B-S-02 8/13/08 1-3**	**B-S-03 8/14/08 1-3**	**B-S-05 8/14/08 1-3**	**B-S-06 8/14/08 1-3**	**B-S-01 8/13/08 4-5**	**B-S-01 8/14/08 4-5**	**B-S-03 8/14/08 5-6**	**B-S-04 8/13/08 2-4**	**B-S-05 8/14/08 4-5**	**B-S-06 8/14/08 4-6**
Fill (F) / Native (N)							**F**	**F**	**F**	**F**	**F**	**F**	**F**	**F**	**F**	**F**	**N**	**F**	**N**	**N**
Volatile Organic Compounds																				
1,1,1-TRICHLOROETHANE	MG/KG	T			100		ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	**0.002 J**	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
1,1,2,2-TETRACHLOROETHANE	MG/KG	T				0.59	ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
1,1,2-TRICHLOROETHANE	MG/KG	T				1.1	ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
1,1-DICHLOROETHANE	MG/KG	T			26		ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	**0.001 J**	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
1,1-DICHLOROETHENE	MG/KG	T			100		ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
1,2-DICHLOROBENZENE	MG/KG	T			100		ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
1,2-DICHLOROETHANE	MG/KG	T			3.1		ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
1,2-DICHLOROPROPANE	MG/KG	T				0.93	ND (0.002)	ND (0.002)	**0.007**		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
1,3-DICHLOROBENZENE	MG/KG	T			49		ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
1,4-DICHLOROBENZENE	MG/KG	T			13		ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
2-BUTANONE	MG/KG	T	0.013		100		ND (0.008)	**0.011 J**	**0.049**		ND (0.006)	**0.005 J**	ND (0.004)	ND (0.005)	ND (0.004)		ND (0.004)	ND (0.36)	ND (0.005)	**0.006 J**
2-HEXANONE	MG/KG	T					ND (0.006)	ND (0.005)	ND (0.004)		ND (0.004)	ND (0.003)	ND (0.003)	ND (0.004)	ND (0.003)		ND (0.003)	ND (0.27)	ND (0.003)	ND (0.004)
2-PROPANOL	MG/KG	T					ND (0.13)	ND (0.11)	ND (0.079)				ND (0.062)	ND (0.08)	ND (0.061)				ND (0.07)	ND (0.075)
4-METHYL-2-PENTANONE	MG/KG	T				5300	ND (0.006)	ND (0.005)	ND (0.004)		ND (0.004)	ND (0.003)	ND (0.003)	ND (0.004)	ND (0.003)		ND (0.003)	ND (0.27)	ND (0.003)	ND (0.004)
ACETONE	MG/KG	T	0.13		100		**0.04 J**	**0.048 J**	**0.17**		**0.033**	**0.032**	**0.03**	**0.12**	**0.021**		ND (0.008)	ND (0.63) R	**0.032**	**0.052**
BENZENE	MG/KG	T	0.006		4.8		**0.029 J**	**0.027**	**0.01**		**0.01**	**0.003 J**	**0.007**	**0.004 J**	ND (0.0005)		**0.001 J**	ND (0.045)	**0.015 J**	**0.017**
BROMODICHLOROMETHANE	MG/KG	T				10	ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
BROMOFORM	MG/KG	T				61	ND (0.002) UJ	ND (0.002) UJ	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
BROMOMETHANE	MG/KG	T				7.9	ND (0.004)	ND (0.004)	ND (0.003)		ND (0.003)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)		ND (0.002)	ND (0.18)	ND (0.002)	ND (0.002)
CARBON DISULFIDE	MG/KG	T				670	**0.004 J**	**0.003 J**	**0.002 J**		ND (0.001)	**0.002 J**	ND (0.001)	**0.004 J**	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
CARBON TETRACHLORIDE	MG/KG	T			2.4		ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
CHLOROBENZENE	MG/KG	T			100		ND (0.002) UJ	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
CHLOROETHANE	MG/KG	T				15000	ND (0.004)	ND (0.004)	ND (0.003)		ND (0.003)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)		ND (0.002)	ND (0.18)	ND (0.002)	ND (0.002)
CHLOROFORM	MG/KG	T			49		ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
CHLOROMETHANE	MG/KG	T				1.7	ND (0.004)	ND (0.004)	ND (0.003)		ND (0.003)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)		ND (0.002)	ND (0.18)	ND (0.002)	ND (0.002)
CIS-1,2-DICHLOROETHENE	MG/KG	T			100		ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	**0.001 J**	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
CIS-1,3-DICHLOROPROPENE (3)	MG/KG	T					ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
DIBROMOCHLOROMETHANE	MG/KG	T				5.8	ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
ETHANOL (BY DIRECT INJECTION)	MG/KG	T							ND (0.23)	ND (0.23)			ND (0.23)	ND (0.23)		ND (0.23)			ND (0.23)	ND (0.25)
ETHYLBENZENE	MG/KG	T			41		**0.003 J**	**0.003 J**	**0.01**		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001)		ND (0.001)	ND (0.091)	**0.002 J**	**0.003 J**
METHANOL (BY DIRECT INJECTION)	MG/KG	T							ND (0.23)	ND (0.23)			ND (0.23)	ND (0.23)		ND (0.23)			ND (0.23)	ND (0.25)
METHYLENE CHLORIDE	MG/KG	T			100		ND (0.004)	ND (0.004)	ND (0.003)		ND (0.003)	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.002)		ND (0.002)	ND (0.18)	ND (0.002)	ND (0.002)
N-BUTANOL	MG/KG	T					ND (0.23)	ND (0.2)	ND (0.14)				ND (0.11)	ND (0.15)	ND (0.11)				ND (0.13)	ND (0.14)
STYRENE	MG/KG	T				6500	ND (0.002) UJ	ND (0.002) UJ	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001) UJ	ND (0.001)		ND (0.001)	0.17 J	ND (0.001)	ND (0.001)
TETRACHLOROETHENE	MG/KG	T			19		ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
TOLUENE	MG/KG	T	0.01		100		**0.049 J**	**0.045**	**0.014**		**0.013**	**0.006**	**0.009**	**0.003 J**	ND (0.001)		**0.002 J**	ND (0.091)	**0.032 J**	**0.035**
TRANS-1,2-DICHLOROETHENE	MG/KG	T			100		ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
TRANS-1,3-DICHLOROPROPENE (3)	MG/KG	T					ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
TRICHLOROETHENE	MG/KG	T			21		ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
VINYL CHLORIDE	MG/KG	T			0.9		ND (0.002)	ND (0.002)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.091)	ND (0.001)	ND (0.001)
XYLENE (TOTAL)	MG/KG	T	0.006		100		**0.027 J**	**0.024 J**	**0.044**		**0.006 J**	**0.003 J**	**0.004 J**	**0.001 J**	ND (0.001)		ND (0.001)	ND (0.091)	**0.025**	**0.032**

Criteria = NY Soil PPH Restricted Residential
ND = Non detect at stated reporting limit
Highlight = detected above stated criteria
Bold = detected above MDL
J = detected between MDL and PQL, should be considered an estimate

Table 4-3
Southern Parcel Soil Results
Remedial Investigation Report
DuPont 666 Driving Park Site

							Surface Soil								Subsurface Soil					
Lab Analyte	**Units**	**Total (T)/ Diss. (D)**	**Background Soil Concentration**	**NYS Background Soil Concentration**	**NY Soil Restrict Use PPH-RR**	**Regional Screening Levels (a)**	**B-S-01 8/13/08 1-3**	**B-S-01 (DUP) 8/13/08 1-3**	**B-S-01 8/14/08 1-3**	**B-S-01 (DUP) 8/14/08 1-3**	**B-S-02 8/13/08 1-3**	**B-S-03 8/14/08 1-3**	**B-S-05 8/14/08 1-3**	**B-S-06 8/14/08 1-3**	**B-S-01 8/13/08 4-5**	**B-S-01 8/14/08 4-5**	**B-S-03 8/14/08 5-6**	**B-S-04 8/13/08 2-4**	**B-S-05 8/14/08 4-5**	**B-S-06 8/14/08 4-6**
Fill (F) / Native (N)							**F**	**F**	**F**	**F**	**F**	**F**	**F**	**F**	**F**	**F**	**N**	**F**	**N**	**N**
Semi-Volatile Organic Compounds																				
1,2,4-TRICHLOROBENZENE	MG/KG	T				87	ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
2,2-OXYBIS(1-CHLOROPROPANE)	MG/KG	T				3.5	ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
2,4,5-TRICHLOROPHENOL	MG/KG	T				6100	ND (0.4)	ND (0.42)			ND (0.38)	ND (0.36)	ND (0.38)	ND (0.078)	ND (0.077)		ND (0.078)	ND (0.73)	ND (0.077)	ND (0.084)
2,4,6-TRICHLOROPHENOL	MG/KG	T				44	ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
2,4-DICHLOROPHENOL	MG/KG	T				180	ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
2,4-DIMETHYLPHENOL	MG/KG	T				1200	ND (0.4)	ND (0.42)			ND (0.38)	ND (0.36)	ND (0.38)	ND (0.078)	ND (0.077)		ND (0.078)	ND (0.73)	ND (0.077)	ND (0.084)
2,4-DINITROPHENOL	MG/KG	T				120	ND (4) R	ND (4.2) R			ND (3.8)	ND (3.6)	ND (3.8) R	ND (0.78)	ND (0.77)		ND (0.78)	ND (7.3)	ND (0.77)	ND (0.84)
2,4-DINITROTOLUENE	MG/KG	T				120	ND (0.4)	ND (0.42)			ND (0.38)	ND (0.36)	ND (0.38)	ND (0.078)	ND (0.077)		ND (0.078)	ND (0.73)	ND (0.077)	ND (0.084)
2,6-DINITROTOLUENE	MG/KG	T				61	ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
2-CHLORONAPHTHALENE	MG/KG	T				6300	ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
2-CHLOROPHENOL	MG/KG	T				390	ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
2-METHYLNAPHTHALENE	MG/KG	T				310	ND (0.2)	ND (0.21)			**0.42 J**	**0.66 J**	**0.31 J**	**0.2**	ND (0.039)		ND (0.039)	**7.5**	ND (0.039)	ND (0.042)
2-METHYLPHENOL	MG/KG	T			100		ND (0.4)	ND (0.42)			ND (0.38)	ND (0.36)	ND (0.38)	ND (0.078)	ND (0.077)		ND (0.078)	ND (0.73)	ND (0.077)	ND (0.084)
2-NITROANILINE	MG/KG	T					ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
2-NITROPHENOL	MG/KG	T					ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
3,3-DICHLOROBENZIDINE	MG/KG	T				1.1	ND (0.6)	ND (0.62)			ND (0.58)	ND (0.54)	ND (0.57)	ND (0.12)	ND (0.12)		ND (0.12)	ND (1.1)	ND (0.12)	ND (0.13)
3-NITROANILINE	MG/KG	T				18	ND (0.4)	ND (0.42)			ND (0.38)	ND (0.36)	ND (0.38)	ND (0.078)	ND (0.077)		ND (0.078)	ND (0.73)	ND (0.077)	ND (0.084)
4,6-DINITRO-2-METHYLPHENOL	MG/KG	T				6.1	ND (1)	ND (1)			ND (0.96)	ND (0.9)	ND (0.95)	ND (0.2)	ND (0.19)		ND (0.19)	ND (1.8)	ND (0.19)	ND (0.21)
4-BROMOPHENYL-PHENYLETHER	MG/KG	T					ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
4-CHLORO-3-METHYLPHENOL	MG/KG	T					ND (0.4)	ND (0.42)			ND (0.38)	ND (0.36)	ND (0.38)	ND (0.078)	ND (0.077)		ND (0.078)	ND (0.73)	ND (0.077)	ND (0.084)
4-CHLOROANILINE	MG/KG	T				9	ND (0.4)	ND (0.42)			ND (0.38)	ND (0.36)	ND (0.38)	ND (0.078)	ND (0.077)		ND (0.078)	ND (0.73)	ND (0.077)	ND (0.084)
4-CHLOROPHENYL-PHENYLETHER	MG/KG	T					ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
4-METHYLPHENOL	MG/KG	T			100		ND (0.4)	ND (0.42)			ND (0.38)	ND (0.36)	ND (0.38)	ND (0.078)	ND (0.077)		ND (0.078)	ND (0.73)	ND (0.077)	ND (0.084)
4-NITROANILINE	MG/KG	T				23	ND (0.4)	ND (0.42)			ND (0.38)	ND (0.36)	ND (0.38)	ND (0.078)	ND (0.077)		ND (0.078)	ND (0.73)	ND (0.077)	ND (0.084)
4-NITROPHENOL	MG/KG	T					ND (1)	ND (1)			ND (0.96)	ND (0.9)	ND (0.95)	ND (0.2)	ND (0.19)		ND (0.19)	ND (1.8)	ND (0.19)	ND (0.21)
ACENAPHTHENE	MG/KG	T	0.42		100		ND (0.2)	ND (0.21)			**1.8**	**4.1**	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	**37**	ND (0.039)	ND (0.042)
ACENAPHTHYLENE	MG/KG	T			100		ND (0.2)	ND (0.21)			**0.22 J**	ND (0.18)	**0.61 J**	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
ANTHRACENE	MG/KG	T	1.3		100		**0.36 J**	**0.32 J**			**3.7**	**8.4**	**1.1**	**0.057 J**	ND (0.039)		ND (0.039)	**56**	ND (0.039)	ND (0.042)
BENZO(A)ANTHRACENE	MG/KG	T	3.2		1		**2.8 J**	**2.6 J**			**9.2**	**22**	**3.6**	**0.26**	ND (0.039)		ND (0.039)	**86**	ND (0.039)	ND (0.042)
BENZO(A)PYRENE	MG/KG	T	3.4		1		**2.8 J**	**2.8 J**			**7.5**	**19**	**3.1**	**0.26**	ND (0.039)		ND (0.039)	**58**	ND (0.039)	ND (0.042)
BENZO(B)FLUORANTHENE	MG/KG	T	4.6		1		**4.5 J**	**4.1 J**			**10**	**23**	**4.2**	**0.41**	ND (0.039)		ND (0.039)	**79**	ND (0.039)	ND (0.042)
BENZO(G,H,I)PERYLENE	MG/KG	T	2.6		100		**2.1 J**	**2.3 J**			**4.1**	**10**	**1.7**	**0.2**	ND (0.039)		ND (0.039)	**31**	ND (0.039)	ND (0.042)
BENZO(K)FLUORANTHENE	MG/KG	T	1.8		3.9		**1.6 J**	**1.6 J**			**3.7**	**10**	**1.9**	**0.16 J**	ND (0.039)		ND (0.039)	**34**	ND (0.039)	ND (0.042)
BIS(2-CHLOROETHOXY)METHANE	MG/KG	T				180	ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
BIS(2-CHLOROETHYL)ETHER	MG/KG	T				0.19	ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T				35	ND (0.4)	ND (0.42)			**0.41 J**	ND (0.36)	ND (0.38)	ND (0.078)	ND (0.077)		ND (0.078)	**0.97 J**	ND (0.077)	ND (0.084)
BUTYLBENZYLPHTHALATE	MG/KG	T				260	ND (0.4)	ND (0.42)			ND (0.38)	ND (0.36)	ND (0.38)	ND (0.078)	ND (0.077)		ND (0.078)	**2.5**	ND (0.077)	ND (0.084)
CARBAZOLE	MG/KG	T	0.69				**0.38 J**	**0.24 J**			**1.6**	**5.5**	**0.32 J**	ND (0.039)	ND (0.039)		ND (0.039)	**25**	ND (0.039)	ND (0.042)
CHRYSENE	MG/KG	T	3.5		3.9		**3.4 J**	**3.1 J**			**8.8**	**20**	**3.8**	**0.34**	ND (0.039)		ND (0.039)	**75**	ND (0.039)	ND (0.042)
DIBENZ(A,H)ANTHRACENE	MG/KG	T	1.2		0.33		**0.38 J**	**0.41 J**			**1.3**	**3.1**	**0.55 J**	**0.05 J**	ND (0.039)		ND (0.039)	**11**	ND (0.039)	ND (0.042)
DIBENZOFURAN	MG/KG	T	0.2		59		ND (0.2)	ND (0.21)			**0.88 J**	**2**	**0.22 J**	**0.065 J**	ND (0.039)		ND (0.039)	**18**	ND (0.039)	ND (0.042)
DIETHYLPHTHALATE	MG/KG	T				49000	ND (0.4)	ND (0.42)			ND (0.38)	ND (0.36)	ND (0.38)	ND (0.078)	ND (0.077)		ND (0.078)	ND (0.73)	ND (0.077)	ND (0.084)
DIMETHYLPHTHALATE	MG/KG	T					ND (0.4)	ND (0.42)			ND (0.38)	ND (0.36)	ND (0.38)	ND (0.078)	ND (0.077)		ND (0.078)	ND (0.73)	ND (0.077)	ND (0.084)
DI-N-BUTYLPHTHALATE	MG/KG	T				6100	ND (0.4)	ND (0.42)			ND (0.38)	ND (0.36)	ND (0.38)	ND (0.078)	ND (0.077)		ND (0.078)	ND (0.73)	ND (0.077)	ND (0.084)
DI-N-OCTYLPHTHALATE	MG/KG	T					ND (0.4)	ND (0.42)			ND (0.38)	ND (0.36)	ND (0.38)	ND (0.078)	ND (0.077)		ND (0.078)	ND (0.73)	ND (0.077)	ND (0.084)

Criteria = NY Soil PPH Restricted Residential
ND = Non detect at stated reporting limit
Highlight = detected above stated criteria
Bold = detected above MDL
J = detected between MDL and PQL, should be considered an estimate

Table 4-3
Southern Parcel Soil Results
Remedial Investigation Report
DuPont 666 Driving Park Site

							Surface Soil								Subsurface Soil					
Lab Analyte	**Units**	**Total (T)/ Diss. (D)**	**Background Soil Concentration**	**NYS Background Soil Concentration**	**NY Soil Restrict Use PPH-RR**	**Regional Screening Levels (a)**	**B-S-01 8/13/08 1-3**	**B-S-01 (DUP) 8/13/08 1-3**	**B-S-01 8/14/08 1-3**	**B-S-01 (DUP) 8/14/08 1-3**	**B-S-02 8/13/08 1-3**	**B-S-03 8/14/08 1-3**	**B-S-05 8/14/08 1-3**	**B-S-06 8/14/08 1-3**	**B-S-01 8/13/08 4-5**	**B-S-01 8/14/08 4-5**	**B-S-03 8/14/08 5-6**	**B-S-04 8/13/08 2-4**	**B-S-05 8/14/08 4-5**	**B-S-06 8/14/08 4-6**
Fill (F) / Native (N)							**F**	**F**	**F**	**F**	**F**	**F**	**F**	**F**	**F**	**F**	**N**	**F**	**N**	**N**
Semi-Volatile Organic Compounds (continued)																				
FLUORANTHENE	MG/KG	T	7.25		100		**7.1 J**	**5.4 J**			**20**	**48**	**7.6**	**0.5**	ND (0.039)		**0.072 J**	**190**	ND (0.039)	ND (0.042)
FLUORENE	MG/KG	T	0.44		100		ND (0.2)	ND (0.21)			**1.6**	**4**	**0.35 J**	ND (0.039)	ND (0.039)		ND (0.039)	**36**	ND (0.039)	ND (0.042)
HEXACHLOROBENZENE	MG/KG	T			1.2		ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
HEXACHLOROBUTADIENE	MG/KG	T				6.2	ND (0.4)	ND (0.42)			ND (0.38)	ND (0.36)	ND (0.38)	ND (0.078)	ND (0.077)		ND (0.078)	ND (0.73)	ND (0.077)	ND (0.084)
HEXACHLOROCYCLOPENTADIENE	MG/KG	T				370	ND (1) R	ND (1) R			ND (0.96)	ND (0.9)	ND (0.95) R	ND (0.2)	ND (0.19)		ND (0.19)	ND (1.8)	ND (0.19)	ND (0.21)
HEXACHLOROETHANE	MG/KG	T				35	ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
INDENO(1,2,3-CD)PYRENE	MG/KG	T	2.3		0.5		**2 J**	**2.2 J**			**4**	**10**	**1.6**	**0.18 J**	ND (0.039)		ND (0.039)	**32**	ND (0.039)	ND (0.042)
ISOPHORONE	MG/KG	T				510	ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
NAPHTHALENE	MG/KG	T			100		ND (0.2)	ND (0.21)			**0.47 J**	**0.73 J**	**0.27 J**	**0.12 J**	ND (0.039)		ND (0.039)	**7.2**	ND (0.039)	ND (0.042)
NITROBENZENE	MG/KG	T				31	ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
N-NITROSO-DI-N-PROPYLAMINE	MG/KG	T				0.069	ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
N-NITROSODIPHENYLAMINE	MG/KG	T				99	ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.37)	ND (0.039)	ND (0.042)
PENTACHLOROPHENOL	MG/KG	T			6.7		ND (1)	ND (1)			ND (0.96)	ND (0.9)	ND (0.95) R	ND (0.2)	ND (0.19)		ND (0.19)	ND (1.8)	ND (0.19)	ND (0.21)
PHENANTHRENE	MG/KG	T	3.9		100		**2.5 J**	**1.5 J**			**15**	**34**	**4.7**	**0.3**	ND (0.039)		**0.048 J**	**180**	ND (0.039)	ND (0.042)
PHENOL	MG/KG	T			100		ND (0.2)	ND (0.21)			ND (0.19)	ND (0.18)	ND (0.19)	ND (0.039)	ND (0.039)		ND (0.039)	**2.9**	ND (0.039)	ND (0.042)
PYRENE	MG/KG	T	7.2		100		**5.7 J**	**4.7 J**			**17**	**41**	**6 J**	**0.45**	ND (0.039)		**0.058 J**	**150**	ND (0.039)	ND (0.042)
PCBs																				
PCB-1016	MG/KG	T					ND (0.00398)	ND (0.00411)			ND (0.0038)	ND (0.00355)	ND (0.00377)	ND (0.00386)	ND (0.00383)		ND (0.00385)	ND (0.0363)	ND (0.00383)	ND (0.00417)
PCB-1221	MG/KG	T					ND (0.0169)	ND (0.0175)			ND (0.0161)	ND (0.0151)	ND (0.016)	ND (0.0164)	ND (0.0163)		ND (0.0163)	ND (0.154)	ND (0.0162)	ND (0.0177)
PCB-1232	MG/KG	T					ND (0.00639)	ND (0.00661)			ND (0.0061)	ND (0.00571)	ND (0.00606)	ND (0.00621)	ND (0.00616)		ND (0.00618)	ND (0.0582)	ND (0.00615)	ND (0.0067)
PCB-1242	MG/KG	T					ND (0.00929)	ND (0.0096)			ND (0.00886)	ND (0.00829)	ND (0.0088)	ND (0.00902)	ND (0.00894)		ND (0.00898)	**0.454**	ND (0.00893)	ND (0.00973)
PCB-1248	MG/KG	T					ND (0.00676)	ND (0.00698)			**0.0234 J**	**0.0178 J**	ND (0.0064)	ND (0.00656)	ND (0.0065)		ND (0.00653)	ND (0.0615)	ND (0.0065)	ND (0.00708)
PCB-1254	MG/KG	T					ND (0.00651)	ND (0.00673)			ND (0.00621)	ND (0.00581)	ND (0.00617)	ND (0.00632)	ND (0.00627)		ND (0.0063)	ND (0.0593)	ND (0.00626)	ND (0.00683)
PCB-1260 (2)	MG/KG	T	0.32		1		ND (0.0076) UJ	ND (0.00786) UJ			ND (0.00725) UJ	**0.0358**	**0.00933 J**	ND (0.00738)	ND (0.00732) UJ		ND (0.00735)	ND (0.0692)	ND (0.00731)	ND (0.00796)
Pesticides																				
ALDRIN	MG/KG	T			0.097		ND (0.002)	ND (0.0021)			ND (0.038)	ND (0.0071)	ND (0.00047)	ND (0.00039)	ND (0.00038)		ND (0.00039)	ND (0.0073)	ND (0.00038)	ND (0.00042)
ALPHA BHC	MG/KG	T			0.48		ND (0.002)	ND (0.0021)			ND (0.038)	ND (0.0071)	ND (0.00024)	ND (0.00039)	ND (0.00038)		ND (0.00039)	ND (0.0073)	ND (0.00038)	ND (0.00042)
ALPHA CHLORDANE	MG/KG	T	0.0073		4.2		ND (0.001)	ND (0.0011)			ND (0.02)	ND (0.0037)	ND (0.00024)	ND (0.0002)	ND (0.0002)		ND (0.0002)	ND (0.0037)	ND (0.0002)	ND (0.00021)
BETA BHC	MG/KG	T			0.36		ND (0.0037) R	ND (0.0038)			ND (0.07)	ND (0.013)	**0.00038 J**	ND (0.00071)	ND (0.00071)		ND (0.00071)	ND (0.013)	ND (0.00071)	ND (0.00077)
DELTA BHC	MG/KG	T			100		ND (0.001)	ND (0.0011)			ND (0.02)	ND (0.0037)	ND (0.00044)	ND (0.0002)	ND (0.0002)		ND (0.0002)	ND (0.0037)	ND (0.0002)	ND (0.00021)
DIELDRIN	MG/KG	T	0.1		0.2		ND (0.002)	ND (0.0021)			ND (0.038)	ND (0.0071)	ND (0.00047)	ND (0.00039)	ND (0.00038)		ND (0.00039)	ND (0.0073)	ND (0.00038)	ND (0.00042)
ENDOSULFAN I	MG/KG	T			24		ND (0.0013)	ND (0.0014)			ND (0.025)	ND (0.0047)	ND (0.00031)	ND (0.00026)	ND (0.00026)		ND (0.00026)	ND (0.0048)	ND (0.00026)	ND (0.00028)
ENDOSULFAN II	MG/KG	T			24		ND (0.002)	ND (0.0021)			ND (0.038)	ND (0.0071)	**0.001 J**	ND (0.00039)	ND (0.00038)		ND (0.00039)	ND (0.0073)	ND (0.00038)	ND (0.00042)
ENDOSULFAN SULFATE	MG/KG	T			24		ND (0.002) R	ND (0.0021)			ND (0.038)	ND (0.0071)	ND (0.00047)	ND (0.00039)	ND (0.00038)		ND (0.00039)	ND (0.0073)	ND (0.00038)	ND (0.00042)
ENDRIN	MG/KG	T			11		ND (0.002)	ND (0.0021)			ND (0.038)	ND (0.0071)	ND (0.00047)	ND (0.00039)	ND (0.00038)		ND (0.00039)	ND (0.0073)	ND (0.00038)	ND (0.00042)
ENDRIN ALDEHYDE	MG/KG	T	0.0048				ND (0.002) UJ	ND (0.0021) UJ			ND (0.038) UJ	ND (0.0071)	**0.0045**	**0.00082 J**	ND (0.00038) UJ		ND (0.00039)	ND (0.0073) UJ	ND (0.00038)	ND (0.00042)
ENDRIN KETONE	MG/KG	T					ND (0.002)	ND (0.0021)			ND (0.038)	ND (0.0071)	ND (0.00047)	ND (0.00039)	ND (0.00038)		ND (0.00039)	ND (0.0073)	ND (0.00038)	ND (0.00042)
GAMMA BHC - LINDANE	MG/KG	T			1.3		ND (0.001)	ND (0.0011)			ND (0.02)	ND (0.0037)	**0.00029 J**	ND (0.0002)	ND (0.0002)		ND (0.0002)	ND (0.0037)	ND (0.0002)	ND (0.00021)
GAMMA CHLORDANE	MG/KG	T					ND (0.006) R	ND (0.0062)			ND (0.12)	ND (0.022)	ND (0.00024)	ND (0.0012)	ND (0.0012)		ND (0.0012)	ND (0.022)	ND (0.0012)	ND (0.0013)
HEPTACHLOR	MG/KG	T			2.1		ND (0.001)	ND (0.0011)			ND (0.02)	ND (0.0037)	**0.00039 J**	**0.00039 J**	ND (0.0002)		ND (0.0002)	**0.0074 J**	ND (0.0002)	ND (0.00021)
HEPTACHLOR EPOXIDE	MG/KG	T	0.010			0.053	ND (0.001)	ND (0.0011)			ND (0.02)	ND (0.0037)	ND (0.00024)	ND (0.0002)	ND (0.0002)		ND (0.0002)	**0.01 J**	ND (0.0002)	ND (0.00021)
METHOXYCHLOR	MG/KG	T				310	ND (0.01)	ND (0.011)			ND (0.2)	ND (0.037)	ND (0.0024)	ND (0.002)	ND (0.002)		ND (0.002)	ND (0.037)	ND (0.002)	ND (0.0021)
P,P-DDD	MG/KG	T	0.0081		13		**0.0028 J**	ND (0.0021)			ND (0.038)	ND (0.0071)	**0.0046**	ND (0.00039)	ND (0.00038)		ND (0.00039)	ND (0.0073)	ND (0.00038)	ND (0.00042)
P,P-DDE	MG/KG	T	0.018		8.9		ND (0.002)	ND (0.0021)			ND (0.038)	**0.032 J**	**0.0043**	**0.0013 J**	ND (0.00038)		ND (0.00039)	**0.47**	**0.0013 J**	ND (0.00042)
P,P-DDT	MG/KG	T	0.029		7.9		**0.0025 J**	ND (0.0021)			**0.044 J**	**0.013 J**	**0.0027**	**0.0012 J**	ND (0.00038)		ND (0.00039)	**0.072 J**	ND (0.00038)	ND (0.00042)
TOXAPHENE	MG/KG	T				0.44	ND (0.066)	ND (0.069)			ND (1.3)	ND (0.24)	ND (0.016)	ND (0.013)	ND (0.013)		ND (0.013)	ND (0.24)	ND (0.013)	ND (0.014)

Criteria = NY Soil PPH Restricted Residential
ND = Non detect at stated reporting limit
Highlight = detected above stated criteria
Bold = detected above MDL
J = detected between MDL and PQL, should be considered an estimate

Table 4-3
Southern Parcel Soil Results
Remedial Investigation Report
DuPont 666 Driving Park Site

							Surface Soil								Subsurface Soil					
Lab Analyte	**Units**	**Total (T)/ Diss. (D)**	**Background Soil Concentration**	**NYS Background Soil Concentration**	**NY Soil Restrict Use PPH-RR**	**Regional Screening Levels (a)**	**B-S-01 8/13/08 1-3**	**B-S-01 (DUP) 8/13/08 1-3**	**B-S-01 8/14/08 1-3**	**B-S-01 (DUP) 8/14/08 1-3**	**B-S-02 8/13/08 1-3**	**B-S-03 8/14/08 1-3**	**B-S-05 8/14/08 1-3**	**B-S-06 8/14/08 1-3**	**B-S-01 8/13/08 4-5**	**B-S-01 8/14/08 4-5**	**B-S-03 8/14/08 5-6**	**B-S-04 8/13/08 2-4**	**B-S-05 8/14/08 4-5**	**B-S-06 8/14/08 4-6**
Fill (F) / Native (N)							**F**	**F**	**F**	**F**	**F**	**F**	**F**	**F**	**F**	**F**	**N**	**F**	**N**	**N**
Metals																				
ALUMINUM	MG/KG	T	13200	33000		77000	**8140**	**5280**			**10600**	**8180**	**6910**	**11100**	**13300**		**7940**	**10500**	**8360**	**10600**
ANTIMONY	MG/KG	T				31	ND (0.286) R	ND (0.287) R			ND (0.265) R	ND (0.248) R	ND (0.268) R	ND (0.275) R	ND (0.275) R		ND (0.277) R	ND (0.258) R	ND (0.267) R	ND (0.291) R
ARSENIC	MG/KG	T	7.2	12	16		**2.91**	**3.01**			**5.93**	**5.42**	**15.3**	**28.8**	**6.12**		**3.73**	**2.6**	**3.64**	**3.82**
BARIUM	MG/KG	T	76	600	400		**32.3**	**29.6**			**130**	**70.5**	**146**	**47.6**	**54.1**		**29**	**97.9**	**22.5**	**47.2**
BERYLLIUM	MG/KG	T	0.59	1.75	72		**0.345 J**	**0.237 J**			**0.542 J**	**0.239 J**	**0.512 J**	**0.292 J**	**0.605**		**0.253 J**	**0.295 J**	**0.324 J**	**0.471 J**
CADMIUM	MG/KG	T	1.7	1	4.3		**0.451 J**	**0.748 J**			**0.399 J**	**4.74**	**1.38**	**2.81**	ND (0.161)		**0.224 J**	**0.279 J**	**0.275 J**	**0.217 J**
CALCIUM	MG/KG	T	24400	35000			**62400 J**	**90200 J**			**76500 J**	**122000**	**37400**	**29700**	**3030 J**		**68600**	**131000 J**	**111000**	**120000**
CHROMIUM (1)	MG/KG	T	25	40	30		**13.5**	**11.2**			**15**	**12.6**	**13**	**13.3**	**16.6**		**9.65**	**12**	**9.04**	**9.62**
COBALT	MG/KG	T	6.2	60		23	**3.28**	**2.28**			**4.84**	**2.93**	**7.12**	**3.27**	**7.03**		**4.69**	**3.76**	**3.09**	**4.08**
COPPER	MG/KG	T	31	50	270		**14.5**	**13.6**			**21.9**	**15.6**	**51**	**29.2**	**11.7**		**8.27**	**20.2**	**7.47**	**9.97**
IRON	MG/KG	T	18450	550000		55000	**10100**	**8990**			**16000**	**11300**	**61700**	**15000**	**22100**		**14400**	**12600**	**10900**	**14700**
LEAD	MG/KG	T	90	500	400		**36.9**	**34.5**			**46**	**32.8**	**80.5**	**836**	**19.5**		**10.2**	**39.7**	**13**	**14.3**
MAGNESIUM	MG/KG	T	11220	5000			**36400 J**	**45500 J**			**32200 J**	**43100**	**18900**	**13800**	**3130 J**		**40400**	**13800 J**	**40600**	**55100**
MANGANESE	MG/KG	T	430	5000	2000		**240 J**	**272 J**			**356**	**335**	**330**	**193**	**1100 J**		**429**	**458**	**251**	**433**
MERCURY	MG/KG	T	0.16	0.2	0.81		**0.0264 J**	**0.0178 J**			**0.234**	**0.0927 J**	**0.0694 J**	**0.0384 J**	**0.019 J**		**0.0144 J**	**0.162**	ND (0.0129)	ND (0.0138)
NICKEL	MG/KG	T	17	25	310		**10.8**	**9.19**			**11.3**	**7.78**	**16.3**	**8.58**	**15.2**		**11.5**	**9.58**	**7.87**	**8.38**
POTASSIUM	MG/KG	T	2640	43000			**3610 J**	**2540 J**			**3610 J**	**3580**	**2520**	**2760**	**3200 J**		**3360**	**3210 J**	**3980**	**4990**
SELENIUM	MG/KG	T	1.1	3.9	180		ND (1.12)	ND (1.13)			ND (1.04)	ND (0.972)	ND (1.05)	**1.16 J**	**1.24 J**		ND (1.09)	ND (1.01)	ND (1.05)	ND (1.14)
SILVER	MG/KG	T	10		180		**9.8 J**	**11.4 J**			**14.8 J**	**93.2**	**99.8**	**77**	**0.638 J**		**0.713**	**1.33 J**	**0.927**	**0.497 J**
SODIUM	MG/KG	T	211	8000			**370**	**258**			**379**	**256**	**144**	**144**	**709**		**172**	**234**	**141**	**211**
THALLIUM	MG/KG	T	0.21			5.1	ND (0.181)	ND (0.182)			ND (0.168)	ND (0.157) UJ	**0.293 J**	**0.234 J**	ND (0.174)		ND (0.175) UJ	ND (0.163)	ND (0.169) UJ	ND (0.184) UJ
VANADIUM	MG/KG	T	27	300		550	**16.5 J**	**20.8 J**			**18.8 J**	**18.1**	**20.7**	**19.5**	**27 J**		**14.9**	**21.1 J**	**13.1**	**16.2**
ZINC	MG/KG	T	114	50	10000		**92.9 J**	**105 J**			**98.7 J**	**88.1**	**64.7**	**76.9**	**35.6 J**		**22.4**	**1320 J**	**14.8**	**11.7**
Miscellaneous																				
MOISTURE	%	T					17.1	19.8	12.9	12.4	13.1	7.1	12.5	14.6	13.9	14.2	14.3	9	13.8	20.9
TOTAL CYANIDE	MG/KG	T			27															

Notes:

(a) Values used as a surrogate for Restricted Residential Soil Objectives for constituents that lack SCOs.

(1) Value for trivalent Chromium used as former process did not involve hexavalent chromium.

(2) Soil objective is for total PCBs.

(3) Regional Screening Level for total 1,3-Dichloropropene used.

Criteria = NY Soil PPH Restricted Residential
ND = Non detect at stated reporting limit
Highlight = detected above stated criteria
Bold = detected above MDL
J = detected between MDL and PQL, should be considered an estimate

Table 4-4
Monitoring Well Boring Soil Sample Results
Remedial Investigation Report
DuPont 666 Driving Park Site

							Surface Soil					Subsurface Soil			
Lab Analyte	**Units**	**Total (T)/ Diss. (D)**	**Background Soil Concentration**	**NYS Background Soil Concentration**	**NY Soil Restrict Use PPH-RR**	**Regional Screening Levels (a)**	**MW-02 8/19/08 1-3**	**MW-02 (DUP) 8/19/08 1-3**	**MW-04 8/15/08 1-2**	**MW-06 8/19/08 0.5-2.5**	**MW-09 8/14/08 1-3**	**MW-03 8/13/08 2-4**	**MW-05 8/15/08 2-4**	**MW-07 8/15/08 2-4**	**MW-09 8/14/08 5-7**
Fill (F) / Native (N)							**F**	**F**	**F**	**F**	**F**	**N**	**N**	**N**	**N**
Volatile Organic Compounds															
1,1,1-TRICHLOROETHANE	MG/KG	T			100		ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
1,1,2,2-TETRACHLOROETHANE	MG/KG	T				0.59	ND (0.001) UJ	ND (0.001) UR	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001) UJ	ND (0.001)	ND (0.001)	ND (0.002)
1,1,2-TRICHLOROETHANE	MG/KG	T				1.1	ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
1,1-DICHLOROETHANE	MG/KG	T			26		ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
1,1-DICHLOROETHENE	MG/KG	T			100		ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
1,2-DICHLOROBENZENE	MG/KG	T			100		ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
1,2-DICHLOROETHANE	MG/KG	T			3.1		ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
1,2-DICHLOROPROPANE	MG/KG	T				0.93	ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
1,3-DICHLOROBENZENE	MG/KG	T			49		ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
1,4-DICHLOROBENZENE	MG/KG	T			13		ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
2-BUTANONE	MG/KG	T	0.013		100		ND (0.004) UJ	**0.006 J**	ND (0.008)	ND (0.006) UJ	ND (0.006)	ND (0.004)	**0.007 J**	ND (0.004)	**0.008 J**
2-HEXANONE	MG/KG	T					ND (0.003) UJ	ND (0.004) UJ	ND (0.006)	ND (0.005) UJ	ND (0.004)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.005)
2-PROPANOL	MG/KG	T									ND (0.089)				ND (0.093)
4-METHYL-2-PENTANONE	MG/KG	T				5300	ND (0.003) UJ	ND (0.004) UJ	ND (0.006)	ND (0.005) UJ	ND (0.004)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.005)
ACETONE	MG/KG	T	0.13		100		**0.026 J**	**0.04 J**	**0.023 J**	**0.036 J**	**0.018 J**	**0.023**	**0.057**	**0.034**	**0.065**
BENZENE	MG/KG	T	0.006		4.8		ND (0.0006) UJ	**0.003 J**	**0.01**	**0.027 J**	**0.002 J**	**0.01**	ND (0.0006)	**0.022**	**0.025**
BROMODICHLOROMETHANE	MG/KG	T				10	ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
BROMOFORM	MG/KG	T				61	ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
BROMOMETHANE	MG/KG	T				7.9	ND (0.002) UJ	ND (0.003) UJ	ND (0.004)	ND (0.003) UJ	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)
CARBON DISULFIDE	MG/KG	T				670	ND (0.001) UJ	**0.001 J**	ND (0.002)	**0.002 J**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
CARBON TETRACHLORIDE	MG/KG	T			2.4		ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
CHLOROBENZENE	MG/KG	T			100		ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
CHLOROETHANE	MG/KG	T				15000	ND (0.002) UJ	ND (0.003) UJ	ND (0.004)	ND (0.003) UJ	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)
CHLOROFORM	MG/KG	T			49		ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
CHLOROMETHANE	MG/KG	T				1.7	ND (0.002) UJ	ND (0.003) UJ	ND (0.004)	ND (0.003) UJ	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)
CIS-1,2-DICHLOROETHENE	MG/KG	T			100		ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
CIS-1,3-DICHLOROPROPENE (3)	MG/KG	T					ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
DIBROMOCHLOROMETHANE	MG/KG	T				5.8	ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
ETHANOL (BY DIRECT INJECTION)	MG/KG	T									ND (0.23)				ND (0.22)
ETHYLBENZENE	MG/KG	T			41		ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	**0.005 J**	ND (0.001)	**0.001 J**	ND (0.001)	**0.003 J**	**0.004 J**
METHANOL (BY DIRECT INJECTION)	MG/KG	T									ND (0.23)				ND (0.22)
METHYLENE CHLORIDE	MG/KG	T			100		0.003 J	ND (0.003) UJ	ND (0.004)	ND (0.003) UJ	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.003)
N-BUTANOL	MG/KG	T									ND (0.16)				ND (0.17)
STYRENE	MG/KG	T				6500	ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
TETRACHLOROETHENE	MG/KG	T			19		ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
TOLUENE	MG/KG	T	0.01		100		**0.005 J**	**0.01 J**	**0.018**	**0.063 J**	**0.003 J**	**0.023**	ND (0.001)	**0.054**	**0.054**
TRANS-1,2-DICHLOROETHENE	MG/KG	T			100		ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
TRANS-1,3-DICHLOROPROPENE (3)	MG/KG	T					ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
TRICHLOROETHENE	MG/KG	T			21		ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
VINYL CHLORIDE	MG/KG	T			0.9		ND (0.001) UJ	ND (0.001) UJ	ND (0.002)	ND (0.002) UJ	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)
XYLENE (TOTAL)	MG/KG	T	0.006		100		**0.003 J**	**0.006 J**	**0.014**	**0.046 J**	**0.002 J**	**0.019**	ND (0.001)	**0.039**	**0.048**

Criteria= NY Soil PPH- Restricted Residential
ND = Non detect at stated reporting limit
Highlight= detected above stated criteria
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J= detected between MDL and PQL, should be considered an estimate

Table 4-4
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Remedial Investigation Report
DuPont 666 Driving Park Site

Lab Analyte	Units	Total (T)/ Diss. (D)	Background Soil Concentration	NYS Background Soil Concentration	NY Soil Restrict Use PPH-RR	Regional Screening Levels (a)	Surface Soil					Subsurface Soil			
							MW-02 8/19/08 1-3	MW-02 (DUP) 8/19/08 1-3	MW-04 8/15/08 1-2	MW-06 8/19/08 0.5-2.5	MW-09 8/14/08 1-3	MW-03 8/13/08 2-4	MW-05 8/15/08 2-4	MW-07 8/15/08 2-4	MW-09 8/14/08 5-7
Fill (F) / Native (N)							F	F	F	F	F	N	N	N	N
Semi-Volatile Organic Compounds															
1,2,4-TRICHLOROBENZENE	MG/KG	T				87	ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
2,2-OXYBIS(1-CHLOROPROPANE)	MG/KG	T				3.5	ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
2,4,5-TRICHLOROPHENOL	MG/KG	T				6100	ND (0.073)	ND (0.073)	ND (0.081)	ND (0.07)	ND (0.078)	ND (0.073)	ND (0.08)	ND (0.079)	ND (0.073)
2,4,6-TRICHLOROPHENOL	MG/KG	T				44	ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
2,4-DICHLOROPHENOL	MG/KG	T				180	ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
2,4-DIMETHYLPHENOL	MG/KG	T				1200	ND (0.073)	ND (0.073)	ND (0.081)	ND (0.07)	ND (0.078)	ND (0.073)	ND (0.08)	ND (0.079)	ND (0.073)
2,4-DINITROPHENOL	MG/KG	T				120	ND (0.73)	ND (0.73)	ND (0.81)	ND (0.7)	ND (0.78)	ND (0.73)	ND (0.8)	ND (0.79)	ND (0.73)
2,4-DINITROTOLUENE	MG/KG	T				120	ND (0.073)	ND (0.073)	ND (0.081)	ND (0.07)	ND (0.078)	ND (0.073)	ND (0.08)	ND (0.079)	ND (0.073)
2,6-DINITROTOLUENE	MG/KG	T				61	ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
2-CHLORONAPHTHALENE	MG/KG	T				6300	ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
2-CHLOROPHENOL	MG/KG	T				390	ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
2-METHYLNAPHTHALENE	MG/KG	T				310	**0.25**	**0.27**	**0.064 J**	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
2-METHYLPHENOL	MG/KG	T			100		ND (0.073)	ND (0.073)	ND (0.081)	ND (0.07)	ND (0.078)	ND (0.073)	ND (0.08)	ND (0.079)	ND (0.073)
2-NITROANILINE	MG/KG	T					ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
2-NITROPHENOL	MG/KG	T					ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
3,3-DICHLOROBENZIDINE	MG/KG	T				1.1	ND (0.11)	ND (0.11)	ND (0.12)	ND (0.1)	ND (0.12)	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)
3-NITROANILINE	MG/KG	T				18	ND (0.073)	ND (0.073)	ND (0.081)	ND (0.07)	ND (0.078)	ND (0.073)	ND (0.08)	ND (0.079)	ND (0.073)
4,6-DINITRO-2-METHYLPHENOL	MG/KG	T				6.1	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.17)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.18)
4-BROMOPHENYL-PHENYLETHER	MG/KG	T					ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
4-CHLORO-3-METHYLPHENOL	MG/KG	T					ND (0.073)	ND (0.073)	ND (0.081)	ND (0.07)	ND (0.078)	ND (0.073)	ND (0.08)	ND (0.079)	ND (0.073)
4-CHLOROANILINE	MG/KG	T				9	ND (0.073)	ND (0.073)	ND (0.081)	ND (0.07)	ND (0.078)	ND (0.073)	ND (0.08)	ND (0.079)	ND (0.073)
4-CHLOROPHENYL-PHENYLETHER	MG/KG	T					ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
4-METHYLPHENOL	MG/KG	T			100		ND (0.073)	ND (0.073)	ND (0.081)	ND (0.07)	ND (0.078)	ND (0.073)	ND (0.08)	ND (0.079)	ND (0.073)
4-NITROANILINE	MG/KG	T				23	ND (0.073)	ND (0.073)	ND (0.081)	ND (0.07)	ND (0.078)	ND (0.073)	ND (0.08)	ND (0.079)	ND (0.073)
4-NITROPHENOL	MG/KG	T					ND (0.18)	ND (0.18)	ND (0.2)	ND (0.17)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.18)
ACENAPHTHENE	MG/KG	T	0.42		100		**1.6 J**	**1.6 J**	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
ACENAPHTHYLENE	MG/KG	T			100		**0.096 J**	**0.086 J**	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
ANTHRACENE	MG/KG	T	1.3		100		**3.6 J**	**3.3 J**	**0.045 J**	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
BENZO(A)ANTHRACENE	MG/KG	T	3.2		1		**9.4**	**7.2**	**0.18 J**	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
BENZO(A)PYRENE	MG/KG	T	3.4		1		**7.2 J**	**5.3 J**	**0.16 J**	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
BENZO(B)FLUORANTHENE	MG/KG	T	4.6		1		**9.1**	**6.8**	**0.23**	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
BENZO(G,H,I)PERYLENE	MG/KG	T	2.6		100		**4.5 J**	**3.6 J**	**0.12 J**	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
BENZO(K)FLUORANTHENE	MG/KG	T	1.8		3.9		**3.6 J**	**3.3 J**	**0.087 J**	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
BIS(2-CHLOROETHOXY)METHANE	MG/KG	T				180	ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
BIS(2-CHLOROETHYL)ETHER	MG/KG	T				0.19	ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T				35	**0.39**	**0.21 J**	ND (0.081)	ND (0.07)	ND (0.078)	ND (0.073)	**0.18 J**	ND (0.079)	ND (0.073)
BUTYLBENZYLPHTHALATE	MG/KG	T				260	**11 J**	**3.3 J**	ND (0.081)	ND (0.07)	ND (0.078)	ND (0.073)	ND (0.08)	ND (0.079)	ND (0.073)
CARBAZOLE	MG/KG	T	0.69				**1.8 J**	**1.4 J**	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
CHRYSENE	MG/KG	T	3.5		3.9		**9**	**6.9**	**0.2**	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
DIBENZ(A,H)ANTHRACENE	MG/KG	T	1.2		0.33		**1.4 J**	**1.1 J**	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
DIBENZOFURAN	MG/KG	T	0.2		59		**0.63 J**	**0.63 J**	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
DIETHYLPHTHALATE	MG/KG	T				49000	ND (0.073)	ND (0.073)	ND (0.081)	ND (0.07)	ND (0.078)	ND (0.073)	ND (0.08)	ND (0.079)	ND (0.073)
DIMETHYLPHTHALATE	MG/KG	T					**0.079 J**	**0.074 J**	ND (0.081)	ND (0.07)	ND (0.078)	ND (0.073)	ND (0.08)	ND (0.079)	ND (0.073)
DI-N-BUTYLPHTHALATE	MG/KG	T				6100	ND (0.073)	ND (0.073)	ND (0.081)	ND (0.07)	ND (0.078)	ND (0.073)	ND (0.08)	ND (0.079)	ND (0.073)
DI-N-OCTYLPHTHALATE	MG/KG	T					ND (0.073)	ND (0.073)	ND (0.081)	ND (0.07)	ND (0.078)	ND (0.073)	ND (0.08)	ND (0.079)	ND (0.073)
FLUORANTHENE	MG/KG	T	7.3		100		**21**	**16**	**0.34**	**0.041 J**	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)

Criteria= NY Soil PPH- Restricted Residential
ND = Non detect at stated reporting limit
Highlight= detected above stated criteria
Bold= detected above MDL
J= detected between MDL and PQL, should be considered an estimate

Table 4-4
Monitoring Well Boring Soil Sample Results
Remedial Investigation Report
DuPont 666 Driving Park Site

Lab Analyte	Units	Total (T)/ Diss. (D)	Background Soil Concentration	NYS Background Soil Concentration	NY Soil Restrict Use PPH-RR	Regional Screening Levels (a)	Surface Soil					Subsurface Soil			
							MW-02 8/19/08 1-3	MW-02 (DUP) 8/19/08 1-3	MW-04 8/15/08 1-2	MW-06 8/19/08 0.5-2.5	MW-09 8/14/08 1-3	MW-03 8/13/08 2-4	MW-05 8/15/08 2-4	MW-07 8/15/08 2-4	MW-09 8/14/08 5-7
Fill (F) / Native (N)							F	F	F	F	F	N	N	N	N
Semi-Volatile Organic Compounds (continued)															
FLUORENE	MG/KG	T	0.44		100		**1.4 J**	**1.4 J**	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
HEXACHLOROBENZENE	MG/KG	T			1.2		ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
HEXACHLOROBUTADIENE	MG/KG	T				6.2	ND (0.073)	ND (0.073)	ND (0.081)	ND (0.07)	ND (0.078)	ND (0.073)	ND (0.08)	ND (0.079)	ND (0.073)
HEXACHLOROCYCLOPENTADIENE	MG/KG	T				370	ND (0.18)	ND (0.18)	ND (0.2)	ND (0.17)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.18)
HEXACHLOROETHANE	MG/KG	T				35	ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
INDENO(1,2,3-CD)PYRENE	MG/KG	T	2.3		0.5		**4.1 J**	**3.4 J**	**0.1 J**	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
ISOPHORONE	MG/KG	T				510	ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
NAPHTHALENE	MG/KG	T			100		**0.22**	**0.18 J**	**0.051 J**	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
NITROBENZENE	MG/KG	T				31	ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
N-NITROSO-DI-N-PROPYLAMINE	MG/KG	T				0.069	ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
N-NITROSODIPHENYLAMINE	MG/KG	T				99	ND (0.036)	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
PENTACHLOROPHENOL	MG/KG	T			6.7		ND (0.18)	ND (0.18)	ND (0.2)	ND (0.17)	ND (0.19)	ND (0.18)	ND (0.2)	ND (0.2)	ND (0.18)
PHENANTHRENE	MG/KG	T	3.9		100		**13**	**11**	**0.21**	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
PHENOL	MG/KG	T			100		**0.075 J**	ND (0.037)	ND (0.041)	ND (0.035)	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
PYRENE	MG/KG	T	7.2		100		**17**	**13**	**0.32**	**0.038 J**	ND (0.039)	ND (0.036)	ND (0.04)	ND (0.04)	ND (0.036)
PCBs															
PCB-1016	MG/KG	T					ND (0.0899)	ND (0.0909)	ND (0.00402)	ND (0.00345)	ND (0.00386)	ND (0.0361)	ND (0.00398)	ND (0.00393)	ND (0.00361)
PCB-1221	MG/KG	T					ND (0.381)	ND (0.385)	ND (0.0171)	ND (0.0146)	ND (0.0164)	ND (0.153)	ND (0.0169)	ND (0.0167)	ND (0.0153)
PCB-1232	MG/KG	T					ND (0.144)	ND (0.146)	ND (0.00646)	ND (0.00554)	ND (0.0062)	ND (0.058)	ND (0.00639)	ND (0.00631)	ND (0.0058)
PCB-1242	MG/KG	T					ND (0.21)	ND (0.212)	ND (0.00939)	ND (0.00805)	ND (0.00901)	ND (0.0842)	ND (0.00928)	ND (0.00917)	ND (0.00842)
PCB-1248	MG/KG	T					ND (0.153)	ND (0.154)	ND (0.00683)	ND (0.00585)	ND (0.00655)	ND (0.0613)	ND (0.00675)	ND (0.00667)	ND (0.00613)
PCB-1254	MG/KG	T					ND (0.147)	ND (0.149)	ND (0.00659)	ND (0.00564)	ND (0.00632)	ND (0.0591)	ND (0.00651)	ND (0.00643)	ND (0.00591)
PCB-1260 (2)	MG/KG	T	0.32		1		ND (0.172)	ND (0.173)	**0.0151 J**	ND (0.00658)	ND (0.00737)	ND (0.0689) UJ	ND (0.00759)	ND (0.0075)	ND (0.00689)
Pesticides															
ALDRIN	MG/KG	T			0.097		ND (0.0036) R	ND (0.0036)	ND (0.0004)	ND (0.00034)	ND (0.00039)	ND (0.00036)	ND (0.0004)	ND (0.00039)	ND (0.00036)
ALPHA BHC	MG/KG	T			0.48		ND (0.0036) R	ND (0.0036)	ND (0.0004)	ND (0.00034)	ND (0.00039)	ND (0.00036)	ND (0.0004)	ND (0.00039)	ND (0.00036)
ALPHA CHLORDANE	MG/KG	T	0.0073		4.2		ND (0.0019) UJ	ND (0.0019) UJ	ND (0.00021)	ND (0.00018) UJ	ND (0.0002)	ND (0.00019)	ND (0.0002)	ND (0.0002)	ND (0.00019)
BETA BHC	MG/KG	T			0.36		ND (0.0066) R	ND (0.0067)	ND (0.00074)	ND (0.00064)	ND (0.00071)	ND (0.00067)	ND (0.00073)	ND (0.00073)	ND (0.00067)
DELTA BHC	MG/KG	T			100		**0.0025 J**	**0.002 J**	ND (0.00021)	ND (0.00018)	ND (0.0002)	ND (0.00019)	ND (0.0002)	ND (0.0002)	ND (0.00019)
DIELDRIN	MG/KG	T	0.1		0.2		ND (0.0036) R	ND (0.0036)	ND (0.0004)	ND (0.00034)	ND (0.00039)	ND (0.00036)	ND (0.0004)	ND (0.00039)	ND (0.00036)
ENDOSULFAN I	MG/KG	T			24		ND (0.0024) UJ	ND (0.0024) UJ	ND (0.00027)	**0.00028 J**	ND (0.00026)	ND (0.00024)	ND (0.00027)	ND (0.00026)	ND (0.00024)
ENDOSULFAN II	MG/KG	T			24		ND (0.0036) R	ND (0.0036)	ND (0.0004)	ND (0.00034)	ND (0.00039)	ND (0.00036)	ND (0.0004)	ND (0.00039)	ND (0.00036)
ENDOSULFAN SULFATE	MG/KG	T			24		ND (0.0036)	ND (0.0036)	ND (0.0004)	ND (0.00034)	ND (0.00039)	ND (0.00036)	ND (0.0004)	ND (0.00039)	ND (0.00036)
ENDRIN	MG/KG	T			11		ND (0.0078) R	ND (0.0036)	ND (0.0004)	ND (0.00034)	ND (0.00039)	ND (0.00036)	ND (0.0004)	ND (0.00039)	ND (0.00036)
ENDRIN ALDEHYDE	MG/KG	T	0.0048				ND (0.0036) R	ND (0.0036)	**0.00081 J**	ND (0.00034)	ND (0.00039)	ND (0.00036)	ND (0.0004)	ND (0.00039)	ND (0.00036)
ENDRIN KETONE	MG/KG	T					ND (0.0036) UJ	ND (0.0036) UJ	ND (0.0004)	ND (0.00034) UJ	ND (0.00039)	ND (0.00036) UJ	ND (0.0004)	ND (0.00039)	ND (0.00036)
GAMMA BHC - LINDANE	MG/KG	T			1.3		ND (0.0019) R	ND (0.0019)	ND (0.00021)	ND (0.00018)	ND (0.0002)	ND (0.00019)	ND (0.0002)	ND (0.0002)	ND (0.00019)
GAMMA CHLORDANE	MG/KG	T					ND (0.011) UJ	ND (0.011) UJ	ND (0.0012)	ND (0.001) UJ	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.0012)	ND (0.0011)
HEPTACHLOR	MG/KG	T			2.1		**0.0028 J**	**0.0036 J**	ND (0.00021)	ND (0.00018)	ND (0.0002)	ND (0.00019)	ND (0.0002)	ND (0.0002)	ND (0.00019)
HEPTACHLOR EPOXIDE	MG/KG	T	0.010			0.053	ND (0.0019) R	ND (0.0019)	ND (0.00021)	ND (0.00018)	ND (0.0002)	ND (0.00019)	ND (0.0002)	ND (0.0002)	ND (0.00019)
METHOXYCHLOR	MG/KG	T				310	**0.15**	**0.17 J**	ND (0.0021)	ND (0.0018) UJ	ND (0.002)	ND (0.0019)	ND (0.002)	ND (0.002)	ND (0.0019)
P,P-DDD	MG/KG	T	0.0081		13		ND (0.0036) R	ND (0.0036)	ND (0.0004)	ND (0.00034)	ND (0.00039)	ND (0.00036)	ND (0.0004)	ND (0.00039)	ND (0.00036)
P,P-DDE	MG/KG	T	0.018		8.9		ND (0.0036) R	ND (0.0036)	**0.0012 J**	ND (0.00034)	ND (0.00039)	ND (0.00036)	ND (0.0004)	ND (0.00039)	ND (0.00036)
P,P-DDT	MG/KG	T	0.029		7.9		ND (0.0036) UJ	ND (0.0036) UJ	**0.0033**	ND (0.00034) UJ	ND (0.00039)	ND (0.00036)	ND (0.0004)	ND (0.00039)	ND (0.00036)
TOXAPHENE	MG/KG	T				0.44	ND (0.12)	ND (0.12)	ND (0.013)	ND (0.011)	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.013)	ND (0.012)

Criteria= NY Soil PPH- Restricted Residential
ND = Non detect at stated reporting limit
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Bold= detected above MDL
J= detected between MDL and PQL, should be considered an estimate

Table 4-4
Monitoring Well Boring Soil Sample Results
Remedial Investigation Report
DuPont 666 Driving Park Site

Lab Analyte	Units	Total (T)/ Diss. (D)	Background Soil Concentration	NYS Background Soil Concentration	NY Soil Restrict Use PPH-RR	Regional Screening Levels (a)	Surface Soil					Subsurface Soil			
							MW-02 8/19/08 1-3	MW-02 (DUP) 8/19/08 1-3	MW-04 8/15/08 1-2	MW-06 8/19/08 0.5-2.5	MW-09 8/14/08 1-3	MW-03 8/13/08 2-4	MW-05 8/15/08 2-4	MW-07 8/15/08 2-4	MW-09 8/14/08 5-7
Fill (F) / Native (N)							F	F	F	F	F	N	N	N	N
Metals															
ALUMINUM	MG/KG	T	13200	33000		77000	**6000**	**6310**	**6090**	**4810**	**4430**	**6880**	**16900**	**9120**	**8500**
ANTIMONY	MG/KG	T				31	0.326 J	ND (0.253) R	ND (0.278) R	ND (0.245) R	ND (0.272) R	ND (0.257) R	ND (0.286) R	ND (0.277) R	ND (0.257) R
ARSENIC	MG/KG	T	7.2	12	16		**6.42**	**6.12**	**3.38**	**2.81**	**2.11 J**	**2.53**	**7.74**	**4.22**	**4.53**
BARIUM	MG/KG	T	76	600	400		**74.1 J**	**106 J**	**26.1**	**16.5 J**	**26.8**	**18**	**65.7**	**34.3**	**24.9**
BERYLLIUM	MG/KG	T	0.59	1.75	72		**0.35 J**	**0.367 J**	**0.136 J**	**0.271 J**	ND (0.0787)	**0.315 J**	**0.794**	**0.449 J**	**0.367 J**
CADMIUM	MG/KG	T	1.7	1	4.3		**0.626**	**0.682**	**0.213 J**	ND (0.141)	ND (0.162)	ND (0.147)	**0.204 J**	**0.245 J**	**0.286 J**
CALCIUM	MG/KG	T	24400	35000			**126000**	**133000**	**43600**	**162000**	**21900**	**108000 J**	**5040**	**109000**	**128000**
CHROMIUM (1)	MG/KG	T	25	40	30		**17.1**	**18.1**	**9.34**	**6.34**	**6.63**	**8.09**	**16.7**	**9.94**	**8.74**
COBALT	MG/KG	T	6.2	60		23	**3.18**	**3.12**	**3.73**	**2.59 J**	**3.2**	**2.96**	**9.03**	**2.55**	**3.8**
COPPER	MG/KG	T	31	50	270		**50 J**	**28.1 J**	**12.9**	**8.31 J**	**6.45**	**6.84**	**14.3**	**8.15**	**8.17**
IRON	MG/KG	T	18450	550000		55000	**10800 J**	**12400**	**12400**	**8200**	**11100**	**10100**	**23200**	**13400**	**12000**
LEAD	MG/KG	T	90	500	400		**25.6 J**	**22.5 J**	**11**	**11.8 J**	**1.78**	**9.17**	**17**	**15.2**	**17.4**
MAGNESIUM	MG/KG	T	11220	5000			**34500**	**28800 J**	**15000**	**69200 J**	**5900**	**42200 J**	**3840**	**57700**	**54700**
MANGANESE	MG/KG	T	430	5000	2000		**291**	**302**	**292**	**295**	**249**	**267 J**	**899**	**255**	**311**
MERCURY	MG/KG	T	0.16	0.2	0.81		**0.0213 J**	**0.0223 J**	ND (0.0138)	ND (0.0119)	ND (0.0131)	**ND (0.0124)**	**0.0291 J**	ND (0.0133)	ND (0.0122)
NICKEL	MG/KG	T	17	25	310		**8.92**	**9.88**	**7.63**	**5.89**	**6.21**	**6.86**	**13.6**	**5.84**	**11.1**
POTASSIUM	MG/KG	T	2640	43000			**1790**	**1710**	**2150**	**2190**	**1140**	**4130 J**	**3520**	**3980**	**5300**
SELENIUM	MG/KG	T	1.1	3.9	180		ND (1.01)	ND (0.994)	ND (1.09)	ND (0.962) R	ND (1.07)	ND (1.01)	ND (1.12)	ND (1.09)	ND (1.01)
SILVER	MG/KG	T	10		180		**7.46**	**8.43**	**2.81**	**1.11 B**	**2.68**	ND (0.179) UJ	**0.993**	**0.461 J**	**0.564**
SODIUM	MG/KG	T	211	8000			**161**	**165**	**115 J**	**197**	**103 J**	**219**	**366**	**170**	**182**
THALLIUM	MG/KG	T	0.21			5.1	0.281 J	ND (0.16) R	ND (0.176) UJ	ND (0.155) UJ	ND (0.172) UJ	ND (0.162)	0.23 J	ND (0.175) UJ	ND (0.162) UJ
VANADIUM	MG/KG	T	27	300		550	**16.1**	**22.3**	**17.9**	**10.1**	**15.5**	**11.4 J**	**26.3**	**13.4**	**11.3**
ZINC	MG/KG	T	114	50	10000		**140 J**	**182 J**	**37.1**	**35.9 J**	**20.9**	**14.4 J**	**48.9**	**16.6**	**13.2**
Miscellaneous															
MOISTURE	%	T					8.2	9.2	**18**	**4.3**	**14.5**	8.6	**17**	**16**	**8.6**
TOTAL CYANIDE	MG/KG	T			27										

Notes:
(a) Values used as a surrogate for Restricted Residential Soil Objectives for constituents that lack SCOs.
(1) Value for trivalent Chromium used as former process did not involve hexavalent chromium.
(2) Soil objective is for total PCBs.
(3) Regional Screening Level for total 1,3-Dichloropropene used.

Criteria= NY Soil PPH- Restricted Residential
ND = Non detect at stated reporting limit
Highlight= detected above stated criteria
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Table 4-5
Test Pit Soil Results
Remdial Investigation Report
DuPont 666 Driving Park Site

							Surface Soil				Subsurface Soil											
Lab Analyte	**Units**	**Total (T)/ Diss. (D)**	**Background Soil Concentration***	**NYS Background Soil Concentration+**	**NY Soil Restrict Use PPH-RR**	**Regional Screening Levels (a)**	**TP-L05 8/26/08 0 2**	**TP-L05 8/26/08 0 2**	**TP-L07 8/26/08 0 2**	**TP-L07 8/26/08 0 2**	**TP-E3 8/27/08 4.5 4.5**	**TP-E3 8/27/08 8 8**	**TP-L05 8/26/08 4.5 5.5**	**TP-L05 8/26/08 5.5 5.5**	**TP-L07 8/26/08 4 5**	**TP-L07 8/26/08 4.5 4.5**	**TP-L08 8/27/08 3 3**	**TP-L08 8/27/08 6 6**	**TP-L09 8/27/08 4.5 4.5**	**TP-L09 8/27/08 7 7**	**TP-L15 8/27/08 3 3**	**TP-L15 8/27/08 4 4**
Fill (F) / Native (N)							**F**	**F**	**F**	**F**	**F**	**N**	**N**	**N**	**N**	**N**	**F**	**N**	**F**	**N**	**F**	**N**
Volatile Organic Compounds																						
1,1,1-TRICHLOROETHANE	MG/KG	T			100		ND (0.001)		ND (0.001)		**0.002 J**	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
1,1,2,2-TETRACHLOROETHANE	MG/KG	T				0.59	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
1,1,2-TRICHLOROETHANE	MG/KG	T				1.1	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
1,1-DICHLOROETHANE	MG/KG	T			26		ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
1,1-DICHLOROETHENE	MG/KG	T			100		ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	**0.002 J**	ND (0.001)	ND (0.002) UJ	ND (0.001)
1,2-DICHLOROBENZENE	MG/KG	T			100			ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
1,2-DICHLOROETHANE	MG/KG	T			3.1		ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
1,2-DICHLOROPROPANE	MG/KG	T				0.93	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
1,3-DICHLOROBENZENE	MG/KG	T			49			ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
1,4-DICHLOROBENZENE	MG/KG	T			13			ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
2-BUTANONE	MG/KG	T	0.013		100		ND (0.005)		ND (0.004)		ND (0.005)	**0.012 J**	ND (0.004)		ND (0.005)		ND (0.005)	**0.006 J**	**0.007 J**	**0.015**	ND (0.01) UJ	ND (0.004)
2-HEXANONE	MG/KG	T					ND (0.003)		ND (0.003)		ND (0.004)	ND (0.004)	ND (0.003)		ND (0.004)		ND (0.003)	ND (0.004)	ND (0.005) UJ	ND (0.004)	ND (0.007) UJ	ND (0.003)
2-PROPANOL	MG/KG	T									ND (0.081)	ND (0.071)					ND (0.068)	ND (0.077)	ND (0.093) UJ	ND (0.08)		
4-METHYL-2-PENTANONE	MG/KG	T				5300	ND (0.003)		ND (0.003)		ND (0.004)	ND (0.004)	ND (0.003)		ND (0.004)		ND (0.003)	ND (0.004)	ND (0.005) UJ	ND (0.004)	ND (0.007) UJ	ND (0.003)
ACETONE	MG/KG	T	0.13		100		**0.025 B**		**0.031**		**0.034**	**0.099**	0.031		**0.015 J**		**0.039 J**	**0.049 J**	**0.07 B**	**0.081**	**0.05 B**	**0.04 B**
BENZENE	MG/KG	T	0.006		4.8		**0.002 J**		**0.014**		**0.018**	ND (0.0006)	0.016		**0.002 J**		**0.006 J**	**0.007**	**0.003 J**	ND (0.0007)	**0.003 J**	**0.008**
BROMODICHLOROMETHANE	MG/KG	T				10	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
BROMOFORM	MG/KG	T				61	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
BROMOMETHANE	MG/KG	T				7.9	ND (0.002)		ND (0.002)		ND (0.003)	ND (0.002)	ND (0.002)		ND (0.002)		ND (0.002)	ND (0.003)	ND (0.003) UJ	ND (0.003)	ND (0.005) UJ	ND (0.002)
CARBON DISULFIDE	MG/KG	T				670	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.002) UJ	**0.004 J**	ND (0.002) UJ	ND (0.001)
CARBON TETRACHLORIDE	MG/KG	T			2.4		ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
CHLOROBENZENE	MG/KG	T			100		ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
CHLOROETHANE	MG/KG	T				15000	ND (0.002)		ND (0.002)		ND (0.003)	ND (0.002)	ND (0.002)		ND (0.002)		ND (0.002)	ND (0.003)	ND (0.003) UJ	ND (0.003)	ND (0.005) UJ	ND (0.002)
CHLOROFORM	MG/KG	T			49		ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
CHLOROMETHANE	MG/KG	T				1.7	ND (0.002)		ND (0.002)		ND (0.003)	ND (0.002)	ND (0.002)		ND (0.002)		ND (0.002)	ND (0.003)	ND (0.003) UJ	ND (0.003)	ND (0.005) UJ	ND (0.002)
CIS-1,2-DICHLOROETHENE	MG/KG	T			100		ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
CIS-1,3-DICHLOROPROPENE (3)	MG/KG	T					ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
DIBROMOCHLOROMETHANE	MG/KG	T				5.8	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
ETHANOL (BY DIRECT INJECTION)	MG/KG	T									ND (0.21)	ND (0.24)					ND (0.23)	ND (0.24)	ND (0.23)	ND (0.26)		
ETHYLBENZENE	MG/KG	T			41		ND (0.001)		**0.002 J**		**0.002 J**	ND (0.001)	**0.002 J**		ND (0.001)		ND (0.001) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
METHANOL (BY DIRECT INJECTION)	MG/KG	T									ND (0.21)	ND (0.24)					ND (0.23)	ND (0.24)	ND (0.23)	**1.1 J**		
METHYLENE CHLORIDE	MG/KG	T			100		ND (0.002)		ND (0.002)		ND (0.003)	ND (0.002)	ND (0.002)		ND (0.002)		ND (0.002)	ND (0.003)	ND (0.003) UJ	ND (0.003)	ND (0.005) UJ	ND (0.002)
N-BUTANOL	MG/KG	T									ND (0.15)	ND (0.13)					ND (0.13)	ND (0.14)	ND (0.17) UJ	ND (0.15)		
STYRENE	MG/KG	T				6500	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
TETRACHLOROETHENE	MG/KG	T			19		ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001) UJ	**0.001 J**	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
TOLUENE	MG/KG	T	0.01		100		**0.002 J**		**0.025**		**0.035**	ND (0.001)	**0.029**		**0.003 J**		**0.007 J**	**0.009**	**0.004 J**	ND (0.001)	**0.005 J**	**0.018**
TRANS-1,2-DICHLOROETHENE	MG/KG	T			100		ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
TRANS-1,3-DICHLOROPROPENE (3)	MG/KG	T					ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
TRICHLOROETHENE	MG/KG	T			21		0.026		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
VINYL CHLORIDE	MG/KG	T			0.9		ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)		ND (0.001)	ND (0.001)	ND (0.002) UJ	ND (0.001)	ND (0.002) UJ	ND (0.001)
XYLENE (TOTAL)	MG/KG	T	0.006		100		ND (0.001)		**0.015**		**0.022**	ND (0.001)	**0.021**		**0.002 J**		**0.003 J**	**0.005 J**	ND (0.002) UJ	ND (0.001)	**0.003 J**	**0.014**

Criteria= NY Soil PPH-RR Criteria
Highlight= detected above criteria
Bold= detected above MDL
J= detected between MDL and PQL, concentration estimated
ND = Non detect at stated reporting limit

Table 4-5
Test Pit Soil Results
Remdial Investigation Report
DuPont 666 Driving Park Site

Lab Analyte	Units	Total (T)/ Diss. (D)	Background Soil Concentration*	NYS Background Soil Concentration+	NY Soil Restrict Use PPH-RR	Regional Screening Levels (a)	TP-L05 8/26/08 0 2	TP-L05 8/26/08 0 2	TP-L07 8/26/08 0 2	TP-L07 8/26/08 0 2	TP-E3 8/27/08 4.5 4.5	TP-E3 8/27/08 8 8	TP-L05 8/26/08 4.5 5.5	TP-L05 8/26/08 5.5 5.5	TP-L07 8/26/08 4 5	TP-L07 8/26/08 4.5 4.5	TP-L08 8/27/08 3 3	TP-L08 8/27/08 6 6	TP-L09 8/27/08 4.5 4.5	TP-L09 8/27/08 7 7	TP-L15 8/27/08 3 3	TP-L15 8/27/08 4 4
Fill (F) / Native (N)							F	F	F	F	F	N	N	N	N	N	F	N	F	N	F	N
Semi-Volatile Organic Compounds																						
1,2,4-TRICHLOROBENZENE	MG/KG	T				87		ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
2,2-OXYBIS(1-CHLOROPROPANE)	MG/KG	T				3.5		ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
2,4,5-TRICHLOROPHENOL	MG/KG	T				6100		ND (0.074)		ND (0.078)	ND (0.07)	ND (0.081)		ND (0.089)		ND (0.082)	ND (0.077) UJ	ND (0.081)	ND (0.075)	ND (0.087)	ND (0.086)	ND (0.079)
2,4,6-TRICHLOROPHENOL	MG/KG	T				44		ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038) UJ	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
2,4-DICHLOROPHENOL	MG/KG	T				180		ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038) UJ	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
2,4-DIMETHYLPHENOL	MG/KG	T				1200		ND (0.074)		ND (0.078)	ND (0.07)	ND (0.081)		ND (0.089)		ND (0.082)	ND (0.077) R	ND (0.081)	ND (0.075)	ND (0.087)	ND (0.086)	ND (0.079)
2,4-DINITROPHENOL	MG/KG	T				120		ND (0.74)		ND (0.78)	ND (0.7)	ND (0.81)		ND (0.89)		ND (0.82)	ND (0.77) UJ	ND (0.81)	ND (0.75)	ND (0.87)	ND (0.86)	ND (0.79)
2,4-DINITROTOLUENE	MG/KG	T				120		ND (0.074)		ND (0.078)	ND (0.07)	ND (0.081)		ND (0.089)		ND (0.082)	ND (0.077)	ND (0.081)	ND (0.075)	ND (0.087)	ND (0.086)	ND (0.079)
2,6-DINITROTOLUENE	MG/KG	T				61		ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
2-CHLORONAPHTHALENE	MG/KG	T				6300		ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
2-CHLOROPHENOL	MG/KG	T				390		ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038) UJ	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
2-METHYLNAPHTHALENE	MG/KG	T				310		**0.17 J**		ND (0.039)	**0.19**	ND (0.041)		ND (0.044)		ND (0.041)	**0.11 J**	**0.12 J**	**0.042 J**	ND (0.044)	**0.23**	ND (0.04)
2-METHYLPHENOL	MG/KG	T			100			ND (0.074)		ND (0.078)	ND (0.07)	ND (0.081)		ND (0.089)		ND (0.082)	ND (0.077) R	ND (0.081)	ND (0.075)	ND (0.087)	ND (0.086)	ND (0.079)
2-NITROANILINE	MG/KG	T						ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038) R	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
2-NITROPHENOL	MG/KG	T						ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038) UJ	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
3,3-DICHLOROBENZIDINE	MG/KG	T				1.1		ND (0.11)		ND (0.12)	ND (0.1)	ND (0.12)		ND (0.13)		ND (0.12)	ND (0.11) R	ND (0.12)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.12)
3-NITROANILINE	MG/KG	T				18		ND (0.074)		ND (0.078)	ND (0.07)	ND (0.081)		ND (0.089)		ND (0.082)	ND (0.077) R	ND (0.081)	ND (0.075)	ND (0.087)	ND (0.086)	ND (0.079)
4,6-DINITRO-2-METHYLPHENOL	MG/KG	T				6.1		ND (0.18)		ND (0.2)	ND (0.17)	ND (0.2)		ND (0.22)		ND (0.21)	ND (0.19) UJ	ND (0.2)	ND (0.19)	ND (0.22)	ND (0.21)	ND (0.2)
4-BROMOPHENYL-PHENYLETHER	MG/KG	T						ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
4-CHLORO-3-METHYLPHENOL	MG/KG	T						ND (0.074)		ND (0.078)	ND (0.07)	ND (0.081)		ND (0.089)		ND (0.082)	ND (0.077) R	ND (0.081)	ND (0.075)	ND (0.087)	ND (0.086)	ND (0.079)
4-CHLOROANILINE	MG/KG	T				9		ND (0.074)		ND (0.078)	ND (0.07)	ND (0.081)		ND (0.089)		ND (0.082)	ND (0.077) R	ND (0.081)	ND (0.075)	ND (0.087)	ND (0.086)	ND (0.079)
4-CHLOROPHENYL-PHENYLETHER	MG/KG	T						ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
4-METHYLPHENOL	MG/KG	T			100			ND (0.074)		ND (0.078)	ND (0.07)	ND (0.081)		ND (0.089)		ND (0.082)	ND (0.077) R	ND (0.081)	ND (0.075)	ND (0.087)	ND (0.086)	ND (0.079)
4-NITROANILINE	MG/KG	T				23		ND (0.074)		ND (0.078)	ND (0.07)	ND (0.081)		ND (0.089)		ND (0.082)	ND (0.077) R	ND (0.081)	ND (0.075)	ND (0.087)	ND (0.086)	ND (0.079)
4-NITROPHENOL	MG/KG	T						ND (0.18)		ND (0.2)	ND (0.17)	ND (0.2)		ND (0.22)		ND (0.21)	ND (0.19) UJ	ND (0.2)	ND (0.19)	ND (0.22)	ND (0.21)	ND (0.2)
ACENAPHTHENE	MG/KG	T	0.42		100			**0.83**		ND (0.039)	**0.79**	ND (0.041)		ND (0.044)		ND (0.041)	**0.11 J**	**0.076 J**	**0.26**	ND (0.044)	ND (0.043)	ND (0.04)
ACENAPHTHYLENE	MG/KG	T			100			**0.075 J**		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	**0.072 J**	ND (0.041)	**0.043 J**	ND (0.044)	ND (0.043)	ND (0.04)
ANTHRACENE	MG/KG	T	1.3		100			**1.8**		**0.059 J**	**1.2**	ND (0.041)		ND (0.044)		ND (0.041)	**0.27**	**0.19 J**	**1.1**	ND (0.044)	ND (0.043)	ND (0.04)

Criteria= NY Soil PPH-RR Criteria
Highlight= detected above criteria
Bold= detected above MDL
J= detected between MDL and PQL, concentration estimated
ND = Non detect at stated reporting limit

Table 4-5
Test Pit Soil Results
Remdial Investigation Report
DuPont 666 Driving Park Site

Lab Analyte	Units	Total (T)/ Diss. (D)	Background Soil Concentration*	NYS Background Soil Concentration+	NY Soil Restrict Use PPH-RR	Regional Screening Levels (a)	TP-L05 8/26/08 0 2	TP-L05 8/26/08 0 2	TP-L07 8/26/08 0 2	TP-L07 8/26/08 0 2	TP-E3 8/27/08 4.5 4.5	TP-E3 8/27/08 8 8	TP-L05 8/26/08 4.5 5.5	TP-L05 8/26/08 5.5 5.5	TP-L07 8/26/08 4 5	TP-L07 8/26/08 4.5 4.5	TP-L08 8/27/08 3 3	TP-L08 8/27/08 6 6	TP-L09 8/27/08 4.5 4.5	TP-L09 8/27/08 7 7	TP-L15 8/27/08 3 3	TP-L15 8/27/08 4 4
Fill (F) / Native (N)							F	F	F	F	F	N	N	N	N	N	F	N	F	N	F	N
Semi-Volatile Organic Compounds (continued)																						
BENZO(A)ANTHRACENE	MG/KG	T	3.2		1			**4**		**0.25**	**2.7**	ND (0.041)		**0.12 J**		**0.055 J**	**0.99**	**0.53**	**1.9**	**0.077 J**	**0.09 J**	ND (0.04)
BENZO(A)PYRENE	MG/KG	T	3.4		1			**3.4**		**0.21**	**2.3**	ND (0.041)		**0.092 J**		**0.059 J**	**2 J**	**0.48**	**1.4**	**0.052 J**	**0.079 J**	ND (0.04)
BENZO(B)FLUORANTHENE	MG/KG	T	4.6		1			**4**		**0.27**	**3**	ND (0.041)		**0.11 J**		**0.078 J**	**2.3 J**	**0.58**	**1.5**	**0.068 J**	**0.1 J**	ND (0.04)
BENZO(G,H,I)PERYLENE	MG/KG	T	2.6		100			**2.3**		**0.12 J**	**1.3**	ND (0.041)		**0.045 J**		**0.046 J**	**3.8 J**	**0.31**	**0.87**	ND (0.044)	ND (0.043)	ND (0.04)
BENZO(K)FLUORANTHENE	MG/KG	T	1.8		3.9			**1.7**		**0.14 J**	**1.2**	ND (0.041)		**0.05 J**		ND (0.041)	**4.1 J**	**0.25**	**0.61**	ND (0.044)	**0.043 J**	ND (0.04)
BIS(2-CHLOROETHOXY)METHANE	MG/KG	T				180		ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
BIS(2-CHLOROETHYL)ETHER	MG/KG	T				0.19		ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T				35		**0.53**		ND (0.078)	**0.088 J**	ND (0.081)		ND (0.089)		ND (0.082)	**1.3**	ND (0.081)	**0.09 J**	ND (0.087)	ND (0.086)	ND (0.079)
BUTYLBENZYLPHTHALATE	MG/KG	T				260		**0.12 J**		ND (0.078)	**0.086 J**	ND (0.081)		ND (0.089)		ND (0.082)	ND (0.077)	ND (0.081)	ND (0.075)	ND (0.087)	ND (0.086)	ND (0.079)
CARBAZOLE	MG/KG	T	0.69					**1.1**		**0.04 J**	**0.6**	ND (0.041)		ND (0.044)		ND (0.041)	**0.06 J**	**0.053 J**	**0.57**	ND (0.044)	ND (0.043)	ND (0.04)
CHRYSENE	MG/KG	T	3.5		3.9			**3.9**		**0.25**	**2.7**	ND (0.041)		**0.12 J**		**0.068 J**	**1.5**	**0.56**	**1.7**	**0.065 J**	**0.11 J**	ND (0.04)
DIBENZ(A,H)ANTHRACENE	MG/KG	T	1.2		0.33			**0.6 J**		ND (0.039)	**0.4 J**	ND (0.041)		ND (0.044)		ND (0.041)	**1.5 J**	**0.088 J**	**0.24 J**	ND (0.044)	ND (0.043)	ND (0.04)
DIBENZOFURAN	MG/KG	T	0.2		59			**0.38**		ND (0.039)	**0.35**	ND (0.041)		ND (0.044)		ND (0.041)	**0.078 J**	**0.052 J**	**0.21**	ND (0.044)	**0.056 J**	ND (0.04)
DIETHYLPHTHALATE	MG/KG	T				49000		ND (0.074)		ND (0.078)	ND (0.07)	ND (0.081)		ND (0.089)		ND (0.082)	ND (0.077)	ND (0.081)	ND (0.075)	ND (0.087)	ND (0.086)	ND (0.079)
DIMETHYLPHTHALATE	MG/KG	T						ND (0.074)		ND (0.078)	ND (0.07)	ND (0.081)		ND (0.089)		ND (0.082)	ND (0.077)	ND (0.081)	ND (0.075)	ND (0.087)	ND (0.086)	ND (0.079)
DI-N-BUTYLPHTHALATE	MG/KG	T				6100		**4.5**		ND (0.078)	ND (0.07)	ND (0.081)		ND (0.089)		ND (0.082)	**83**	**11**	ND (0.075)	ND (0.087)	ND (0.086)	ND (0.079)
DI-N-OCTYLPHTHALATE	MG/KG	T						ND (0.074)		ND (0.078)	ND (0.07)	ND (0.081)		ND (0.089)		ND (0.082)	ND (0.077) UJ	ND (0.081)	ND (0.075)	ND (0.087)	ND (0.086)	ND (0.079)
FLUORANTHENE	MG/KG	T	7.3		100			**8.3**		**0.49**	**5.2**	ND (0.041)		**0.24**		**0.081 J**	**1.9 J**	**0.99**	**4.6**	**0.11 J**	**0.16 J**	ND (0.04)
FLUORENE	MG/KG	T	0.44		100			**0.81**		ND (0.039)	**0.63**	ND (0.041)		ND (0.044)		ND (0.041)	**0.12 J**	**0.068 J**	**0.17 J**	ND (0.044)	ND (0.043)	ND (0.04)
HEXACHLOROBENZENE	MG/KG	T			1.2			ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
HEXACHLOROBUTADIENE	MG/KG	T				6.2		ND (0.074)		ND (0.078)	ND (0.07)	ND (0.081)		ND (0.089)		ND (0.082)	ND (0.077)	ND (0.081)	ND (0.075)	ND (0.087)	ND (0.086)	ND (0.079)
HEXACHLOROCYCLOPENTADIENE	MG/KG	T				370		ND (0.18)		ND (0.2)	ND (0.17)	ND (0.2)		ND (0.22)		ND (0.21)	ND (0.19)	ND (0.2)	ND (0.19)	ND (0.22)	ND (0.21)	ND (0.2)
HEXACHLOROETHANE	MG/KG	T				35		ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
INDENO(1,2,3-CD)PYRENE	MG/KG	T	2.3		0.5			**2.1**		**0.11 J**	**1.3**	ND (0.041)		**0.045 J**		ND (0.041)	**3.9 J**	**0.28**	**0.8**	ND (0.044)	**0.044 J**	ND (0.04)
ISOPHORONE	MG/KG	T				510		ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
NAPHTHALENE	MG/KG	T			100			**0.21**		ND (0.039)	**0.15 J**	ND (0.041)		ND (0.044)		ND (0.041)	**0.077 J**	**0.073 J**	ND (0.038)	ND (0.044)	**0.15 J**	ND (0.04)
NITROBENZENE	MG/KG	T				31		ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
N-NITROSO-DI-N-PROPYLAMINE	MG/KG	T				0.069		ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
N-NITROSODIPHENYLAMINE	MG/KG	T				99		ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038) UJ	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
PENTACHLOROPHENOL	MG/KG	T				6.7		ND (0.18)		ND (0.2)	ND (0.17)	ND (0.2)		ND (0.22)		ND (0.21)	ND (0.19) UJ	ND (0.2)	ND (0.19)	ND (0.22)	ND (0.21)	ND (0.2)
PHENANTHRENE	MG/KG	T	3.9		100			**6.8**		**0.26**	**4.5**	ND (0.041)		**0.14 J**		ND (0.041)	**1.5**	**0.87**	**4.1**	**0.075 J**	**0.19 J**	ND (0.04)
PHENOL	MG/KG	T			100			ND (0.037)		ND (0.039)	ND (0.035)	ND (0.041)		ND (0.044)		ND (0.041)	ND (0.038) UJ	ND (0.041)	ND (0.038)	ND (0.044)	ND (0.043)	ND (0.04)
PYRENE	MG/KG	T	7.2		100			**6.9**		**0.44**	**4.6**	ND (0.041)		**0.21 J**		**0.088 J**	**2**	**1.2**	**3.4**	**0.13 J**	**0.18 J**	ND (0.04)

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DuPont 666 Driving Park Site

Lab Analyte	Units	Total (T)/ Diss. (D)	Background Soil Concentration*	NYS Background Soil Concentration+	NY Soil Restrict Use PPH-RR	Regional Screening Levels (a)	TP-L05 8/26/08 0 2	TP-L05 8/26/08 0 2	TP-L07 8/26/08 0 2	TP-L07 8/26/08 0 2	TP-E3 8/27/08 4.5 4.5	TP-E3 8/27/08 8 8	TP-L05 8/26/08 4.5 5.5	TP-L05 8/26/08 5.5 5.5	TP-L07 8/26/08 4 5	TP-L07 8/26/08 4.5 4.5	TP-L08 8/27/08 3 3	TP-L08 8/27/08 6 6	TP-L09 8/27/08 4.5 4.5	TP-L09 8/27/08 7 7	TP-L15 8/27/08 3 3	TP-L15 8/27/08 4 4
Fill (F) / Native (N)							F	F	F	F	F	N	N	N	N	N	F	N	F	N	F	N
PCBs																						
PCB-1016	MG/KG	T						ND (0.183)		ND (0.00388)	ND (0.00346)	ND (0.00402)		ND (0.00438)		ND (0.00407)	ND (0.0189)	ND (0.00403)	ND (0.00372)	ND (0.00431)	ND (0.00424)	ND (0.00393)
PCB-1221	MG/KG	T						ND (0.777)		ND (0.0165)	ND (0.0147) UJ	ND (0.0171) UJ		ND (0.0186)		ND (0.0173)	ND (0.0804)	ND (0.0171) UJ	ND (0.0158) UJ	ND (0.0183) UJ	ND (0.018) UJ	ND (0.0167) UJ
PCB-1232	MG/KG	T						ND (0.294)		ND (0.00623)	ND (0.00556) UJ	ND (0.00646) UJ		ND (0.00704)		ND (0.00654)	ND (0.0304)	ND (0.00647) UJ	ND (0.00597) UJ	ND (0.00692) UJ	ND (0.00681) UJ	ND (0.00631) UJ
PCB-1242	MG/KG	T						ND (0.427)		ND (0.00905)	ND (0.00807) UJ	ND (0.00938) UJ		ND (0.0102)		ND (0.00949)	ND (0.0442)	ND (0.0094) UJ	ND (0.00867) UJ	ND (0.0101) UJ	ND (0.0099) UJ	ND (0.00917) UJ
PCB-1248	MG/KG	T						ND (0.311)		ND (0.00658)	**0.0331 J**	ND (0.00682) UJ		ND (0.00744)		ND (0.00691)	ND (0.0321)	ND (0.00684) UJ	ND (0.00631) UJ	ND (0.00731) UJ	ND (0.0072) UJ	ND (0.00667) UJ
PCB-1254	MG/KG	T						ND (0.3)		**0.0591**	**0.0304 J**	ND (0.00658) UJ		ND (0.00717)		ND (0.00666)	**0.879**	**0.0682**	ND (0.00608) UJ	ND (0.00705) UJ	ND (0.00694) UJ	ND (0.00643) UJ
PCB-1260 (2)	MG/KG	T	0.32		1			**5.97**		**0.0384**	**0.0156 J**	ND (0.00767) UJ		ND (0.00837)		ND (0.00777)	**0.246**	**0.02 J**	**0.0122 J**	ND (0.00822) UJ	ND (0.0081) UJ	ND (0.0075) UJ
Pesticides																						
ALDRIN	MG/KG	T			0.097			ND (0.0037)		ND (0.00039)	ND (0.0017)	ND (0.0004)		ND (0.00044)		ND (0.00041)	ND (0.0019)	ND (0.002)	ND (0.0019)	ND (0.00043)	ND (0.00042)	ND (0.00039)
ALPHA BHC	MG/KG	T			0.48			ND (0.0037)		**0.00091 J**	ND (0.0017)	ND (0.0004)		ND (0.00044)		ND (0.00041)	ND (0.0019)	ND (0.002)	ND (0.0019)	ND (0.00043)	ND (0.00042)	ND (0.00039)
ALPHA CHLORDANE	MG/KG	T	0.0073		4.2			ND (0.0019)		ND (0.00089)	ND (0.00089)	ND (0.00021)		ND (0.00023)		ND (0.00021)	ND (0.00098)	ND (0.001)	ND (0.00096)	ND (0.00022)	ND (0.00022)	ND (0.0002)
BETA BHC	MG/KG	T			0.36			ND (0.0068)		ND (0.00072)	ND (0.0032)	ND (0.00074)		ND (0.00081)		ND (0.00075)	ND (0.0035)	ND (0.0037)	ND (0.0034)	ND (0.0008)	ND (0.00078)	ND (0.00073)
DELTA BHC	MG/KG	T			100			ND (0.0019)		ND (0.0002)	ND (0.00089)	ND (0.00021)		ND (0.00023)		0.00053 J	ND (0.00098)	ND (0.001)	ND (0.00096)	ND (0.00022)	ND (0.00022)	ND (0.0002)
DIELDRIN	MG/KG	T	0.1		0.2			ND (0.028)		ND (0.00039)	ND (0.0017)	ND (0.0004)		ND (0.00044)		ND (0.00041)	ND (0.0019)	ND (0.002)	ND (0.0019)	ND (0.00043)	ND (0.00042)	ND (0.00039)
ENDOSULFAN I	MG/KG	T			24			ND (0.0024)		ND (0.00026)	ND (0.0012)	ND (0.00027)		ND (0.00029)		ND (0.00027)	ND (0.0013)	ND (0.0013)	ND (0.0012)	ND (0.00029)	ND (0.00028)	ND (0.00026)
ENDOSULFAN II	MG/KG	T			24			ND (0.0037)		ND (0.00039)	ND (0.0017)	ND (0.0004)		ND (0.00044)		ND (0.00041)	ND (0.0041)	ND (0.002)	ND (0.0019)	ND (0.00043)	ND (0.00042)	ND (0.00039)
ENDOSULFAN SULFATE	MG/KG	T			24			ND (0.0037)		ND (0.00039)	ND (0.0017)	ND (0.0004)		ND (0.00044)		ND (0.00041)	ND (0.011)	ND (0.002)	**0.0062 J**	ND (0.00043)	ND (0.00042)	ND (0.00039)
ENDRIN	MG/KG	T			11			ND (0.0055)		ND (0.00039)	ND (0.0017)	ND (0.0004)		ND (0.00044)		ND (0.00041)	ND (0.0046)	ND (0.002)	ND (0.0019)	ND (0.00043)	ND (0.00042)	ND (0.00039)
ENDRIN ALDEHYDE	MG/KG	T	0.0048					ND (0.0037) UJ		ND (0.0018) UJ	ND (0.0017) UJ	ND (0.0004) UJ		ND (0.00044) UJ		ND (0.00041) UJ	ND (0.0019) UJ	ND (0.002) UJ	ND (0.0019) UJ	ND (0.00043) UJ	ND (0.00042) UJ	ND (0.00039) UJ
ENDRIN KETONE	MG/KG	T						ND (0.0037)		ND (0.00039)	ND (0.0017)	ND (0.0004)		ND (0.00044)		ND (0.00041)	ND (0.0019)	ND (0.0031)	ND (0.0019)	ND (0.00043)	ND (0.00042)	ND (0.00039)
GAMMA BHC - LINDANE	MG/KG	T			1.3			ND (0.0021)		ND (0.0002)	ND (0.00089)	ND (0.00021)		ND (0.00023)		ND (0.00021)	ND (0.00098)	ND (0.001)	ND (0.00096)	ND (0.00022)	ND (0.00022)	ND (0.0002)
GAMMA CHLORDANE	MG/KG	T						ND (0.011)		ND (0.0012)	ND (0.0052)	ND (0.0012)		ND (0.0013)		ND (0.0012)	ND (0.0057) R	ND (0.0061)	ND (0.0056)	ND (0.0013)	ND (0.0013)	ND (0.0012)
HEPTACHLOR	MG/KG	T			2.1			ND (0.038)		**0.0012 J**	ND (0.0017)	ND (0.00021)		ND (0.00023)		**0.00047 J**	ND (0.00098)	ND (0.001)	ND (0.00096)	ND (0.00022)	ND (0.00022)	ND (0.0002)
HEPTACHLOR EPOXIDE	MG/KG	T	0.010			0.053		ND (0.0019)		ND (0.00021)	ND (0.0013)	ND (0.00021)		ND (0.00023)		ND (0.00021)	ND (0.011)	ND (0.0021)	ND (0.00096)	ND (0.00022)	ND (0.00022)	ND (0.0002)
METHOXYCHLOR	MG/KG	T				310		ND (0.019)		ND (0.002)	ND (0.0089)	ND (0.0021)		ND (0.0023)		ND (0.0021)	ND (0.0098)	ND (0.01)	ND (0.0096)	ND (0.0022)	ND (0.0022)	ND (0.002)
P,P-DDD	MG/KG	T	0.0081		13			ND (0.0037)		ND (0.00039)	ND (0.0017)	ND (0.0004)		ND (0.00044)		ND (0.00041)	ND (0.0019)	ND (0.002)	ND (0.0019)	ND (0.00043)	ND (0.00042)	ND (0.00039)
P,P-DDE	MG/KG	T	0.018		8.9			ND (0.033)		ND (0.0024)	ND (0.004)	ND (0.0004)		ND (0.00044)		ND (0.00041)	ND (0.038)	ND (0.0043)	**0.0054 J**	ND (0.00043)	**0.01**	**0.00054 J**
P,P-DDT	MG/KG	T	0.029		7.9			ND (0.039)		ND (0.0031)	ND (0.0036)	ND (0.0004)		ND (0.00044)		ND (0.00041)	**0.062**	ND (0.009)	ND (0.0019)	ND (0.00043)	**0.0045**	ND (0.00039)
TOXAPHENE	MG/KG	T				0.44		ND (0.12)		ND (0.013)	ND (0.058)	ND (0.013)		ND (0.015)		ND (0.014)	ND (0.063)	ND (0.067)	ND (0.062)	ND (0.014)	ND (0.014)	ND (0.013)

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Remdial Investigation Report
DuPont 666 Driving Park Site

Lab Analyte	Units	Total (T)/ Diss. (D)	Background Soil Concentration*	NYS Background Soil Concentration+	NY Soil Restrict Use PPH-RR	Regional Screening Levels (a)	TP-L05 8/26/08 0 2	TP-L05 8/26/08 0 2	TP-L07 8/26/08 0 2	TP-L07 8/26/08 0 2	TP-E3 8/27/08 4.5 4.5	TP-E3 8/27/08 8 8	TP-L05 8/26/08 4.5 5.5	TP-L05 8/26/08 5.5 5.5	TP-L07 8/26/08 4 5	TP-L07 8/26/08 4.5 4.5	TP-L08 8/27/08 3 3	TP-L08 8/27/08 6 6	TP-L09 8/27/08 4.5 4.5	TP-L09 8/27/08 7 7	TP-L15 8/27/08 3 3	TP-L15 8/27/08 4 4
Fill (F) / Native (N)							F	F	F	F	F	N	N	N	N	N	F	N	F	N	F	N
Metals																						
ALUMINUM	MG/KG	T	13200	33000		77000		**7730**		**8840**	**3610**	**10600**		**17400**		**14500**	**8780**	**9920**	**7810**	**17100**	**5960**	**9600**
ANTIMONY	MG/KG	T				31		ND (0.255) UJ		ND (0.273) UJ	ND (0.239) UJ	ND (0.278) UJ		ND (0.312) UJ		ND (0.287) UJ	ND (0.272) UJ	ND (0.287) UJ	ND (0.264) UJ	ND (0.3) UJ	ND (0.299) UJ	ND (0.279) UJ
ARSENIC	MG/KG	T	7.2	12	16			**4.49**		**4.56**	**8.23**	**6.93**		**7.96**		**7.28**	**9.13**	**6.35**	**5.02**	**4.21**	**6.02**	**6.47**
BARIUM	MG/KG	T	76	600	400			**59.7**		**44.2**	**30.2**	**46.2**		**59.1**		**51.4**	**58.3**	**44.2**	**53.5**	**85.9**	**46.6**	**41.6**
BERYLLIUM	MG/KG	T	0.59	1.75	72			**0.276 J**		**0.409 J**	**0.196 J**	**0.584 J**		**0.733**		**0.482 J**	**0.428 J**	**0.534 J**	**0.303 J**	**0.648**	**0.644**	**0.5 J**
CADMIUM	MG/KG	T	1.7	1	4.3			**17.1 J**		**43.7 J**	**0.725 J**	ND (0.169)		ND (0.182)		**58.6 J**	**2.63 J**	**0.23 J**	**1.04 J**	ND (0.179)	ND (0.178)	ND (0.165)
CALCIUM	MG/KG	T	24400	35000				**104000 J**		**87200 J**	**145000 J**	**44000 J**		**7270 J**		**4540 J**	**57200 J**	**93500 J**	**58100 J**	**7600 J**	**32500 J**	**154000 J**
CHROMIUM (1)	MG/KG	T	25	40	30			**12.1 J**		**14 J**	**14.2 J**	**11.3 J**		**17.4 J**		**19.4 J**	**13.7 J**	**13.5 J**	**26.6 J**	**17 J**	**9.75 J**	**8.68 J**
COBALT	MG/KG	T	6.2	60		23		**3.42**		**4.03**	**2.03**	**6.12**		**5.15**		**5.35**	**4.62**	**5.2**	**6.74**	**5.75**	**5.72**	**5.8**
COPPER	MG/KG	T	31	50	270			**29.1 J**		**12.7 J**	**16.5 J**	**8.16 J**		**9.17 J**		**11.2 J**	**27.2 J**	**15.5 J**	**10.1 J**	**8.64 J**	**14.7 J**	**14.8 J**
IRON	MG/KG	T	18450	550000		55000		**13900**		**13200**	**8790**	**18900**		**21400**		**17000**	**20000**	**14900**	**10300**	**21000**	**23900**	**13300**
LEAD	MG/KG	T	90	500	400			**46.8**		**18.5**	**34.3**	**20.7**		**24**		**24.6**	**88.1**	**69.2**	**30.8**	**15.9**	**23.1**	**13.7**
MAGNESIUM	MG/KG	T	11220	5000				**37200**		**36300**	**79500**	**23400**		**4250**		**3410**	**31500**	**39700**	**25600**	**4740**	**7390**	**24600**
MANGANESE	MG/KG	T	430	5000	2000			**325**		**383**	**231**	**473**		**277**		**284**	**397**	**324**	**268**	**380**	**143**	**326**
MERCURY	MG/KG	T	0.16	0.2	0.81			**0.0756 B**		**0.0254 B**	**0.0211 B**	**0.0192 B**		**0.0803 B**		**0.0587 B**	**0.146**	**0.145**	**0.108 J**	**0.076 B**	**0.0264 B**	ND (0.0135)
NICKEL	MG/KG	T	17	25	310			**8.32**		**8.4**	**9.49**	**9.94**		**9.8**		**8.53**	**11.9**	**11.8**	**41.5**	**10.4**	**14.5**	**11.9**
POTASSIUM	MG/KG	T	2640	43000				**3130 J**		**4490 J**	**2820 J**	**3730 J**		**4120 J**		**2820 J**	**3240 J**	**4860 J**	**3660 J**	**3450 J**	**1310 J**	**5550 J**
SELENIUM	MG/KG	T	1.1	3.9	180			ND (1)		ND (1.07)	ND (0.937)	**ND (1.09)**		ND (1.22)		ND (1.12)	ND (1.07)	ND (1.12)	ND (1.04)	ND (1.18)	ND (1.17)	ND (1.1)
SILVER	MG/KG	T	10		180			**530 J**		**43.9 J**	**8.44 J**	**0.414 J**		**0.694 J**		**36.7 J**	**62.1 J**	**10.2 J**	**46.3 J**	**0.997 J**	**0.784 J**	ND (0.2)
SODIUM	MG/KG	T	211	8000				**219**		**161**	**156**	**541**		**341**		**119 J**	**131**	**155**	**315**	**449**	**147**	**430**
THALLIUM	MG/KG	T	0.21			5.1		ND (0.162) UJ		ND (0.173) UJ	ND (0.151) UJ	ND (0.176) UJ		ND (0.197) UJ		ND (0.181) UJ	**0.239 J**	ND (0.181) UJ	ND (0.167) UJ	ND (0.19) UJ	ND (0.189) UJ	ND (0.177) UJ
VANADIUM	MG/KG	T	27	300		550		**18**		**15.3**	**8.43**	**18.8**		**27.8**		**23.5**	**17.9**	**15.7**	**15.4**	**28.3**	**18.3**	**12.1**
ZINC	MG/KG	T	114	50	10000			**134 J**		**32.2 J**	**86.4 J**	**26.1 J**		**64.8 J**		**53.8 J**	**172 J**	**106 J**	**29.4 J**	**68.6 J**	**44.3 J**	**10.9 J**
Misc																						
MOISTURE	%	T					**15.2**	**9.9**	**3.5**	**14.9**	**4.6**	**17.9**	**15.2**	**24.7**	**16.1**	**18.9**	**12.9**	**18.1**	**11.2**	**23.4**	**22.2**	**16**
Former TICs																						
2-PENTANONE, 4-HYDROXY-4-MET	MG/KG	T																				
3-PENTEN-2-ONE, 4-METHYL-	MG/KG	T						**1.3 B**		**1.4 B**	**1.3 B**	**1.3 B**		**1.6 B**		**1.4 B**	**1.6 B**	**1.6 B**	**6.8 B**	**1.5 B**	**1.6 B**	**1.5 B**
CYCLIC OCTAATOMIC SULFUR	MG/KG	T																		**6.6 J**		
CYCLOHEXANE	MG/KG	T							**0.013 J**		**0.035 J**		**0.013 J**					**0.016 J**				
CYCLOHEXANE, METHYL-	MG/KG	T							**0.031 J**		**0.049 J**		**0.033 J**		**0.006 J**			**0.038 J**				
PENTANE	MG/KG	T							**0.033 J**									**0.048 J**				
TRICHLOROMONOFLUOROMETHANE	MG/KG	T																	**0.68 J**			

Notes:
* Averate of two site-specific samples.
+NYSDEC TAGM 4046, January 1996
(a) Values used as a surrogate for Restricted Residential Soil Objectives for constituents that lack SCOs.
(1) Value for trivalent Chromium used as former process did not involve hexavalent chromium.
(2) Soil objective is for total PCBs.
(3) Regional Screening Level for total 1,3-Dichloropropene used.

Criteria= NY Soil PPH-RR Criteria
Highlight= detected above criteria
Bold= detected above MDL
J= detected between MDL and PQL, concentration estimated
ND = Non detect at stated reporting limit

Table 4-6
Railroad Spur Soil Results
Remedial Investigation Report
DuPont 666 Driving Park Site

Lab Analyte	Units	PCB-01 7/18/08 0-0.5	PCB-01 (DUP) 7/18/08 0-0.5	PCB-02 7/18/08 0-0.5	PCB-03 7/18/08 0-0.5	PCB-04 7/18/08 0-0.5	PCB-05 7/18/08 0-0.5	MW-04 7/18/08 0-0.5
PCB-1016	MG/KG	ND (0.0036) UJ	ND (0.0036) UJ	ND (0.018) UJ	ND (0.018) UJ	ND (0.017) UJ	ND (0.0034) UJ	ND (0.035) UJ
PCB-1221	MG/KG	ND (0.0056) UJ	ND (0.0056) UJ	ND (0.028) UJ	ND (0.028) UJ	ND (0.028) UJ	ND (0.0054) UJ	ND (0.056) UJ
PCB-1232	MG/KG	ND (0.0036) UJ	ND (0.0036) UJ	ND (0.018) UJ	ND (0.018) UJ	ND (0.017) UJ	ND (0.0034) UJ	ND (0.035) UJ
PCB-1242	MG/KG	ND (0.0036) UJ	ND (0.0036) UJ	ND (0.018) UJ	ND (0.018) UJ	ND (0.017) UJ	ND (0.0034) UJ	ND (0.035) UJ
PCB-1248	MG/KG	ND (0.0036) UJ	ND (0.0036) UJ	ND (0.018) UJ	ND (0.018) UJ	ND (0.017) UJ	ND (0.0034) UJ	ND (0.035) UJ
PCB-1254	MG/KG	ND (0.0036) UJ	ND (0.0036) UJ	ND (0.018) UJ	ND (0.018) UJ	ND (0.017) UJ	ND (0.0034) UJ	ND (0.035) UJ
PCB-1260	MG/KG	**0.093 J**	**0.091 J**	**0.44 J**	**0.18 J**	**0.38 J**	**0.15 J**	**0.066 J**
MOISTURE	%	7.5	7.2	6.8	7.6	5.5	3.9	6.5

Note: NYS Part 375 does not provide cleanup criteria for specific arochlors. All results <1.0 mg/kg criteria for total PCBs.

Sample ID	Material Description	Remarks
PCB-01	Fill; dry brown silt and gravel,some slag and glass	2-inch gravel cover
PCB-02	Dry brown silt, some gravel below topsoil cover	4-inch gravel cover.
PCB-03	Fill; hard dry brown silt	4-inch gravel cover. Moved 77ft of proposed location due to asphalt
MW-04	Dry brown silt, some gravel	10-inch gravel cover
PCB-04	Dry brown silt, some gravel	8-inch gravel cover
PCB-05	Fill; dry brown silt, some gravel and floor tiles	10-inch gravel cover

ND = Non detect at stated reporting limit
J= Detected between MDL and PQL, estimated result
Bold= Detected above MDL

Table 4-7
Metals Delineation Soil Sampling Summary
Remedial Investigation Report
DuPont 666 Driving Park Site

Area ID	Previous Boring ID	# Borings	# Samples	Max. Dpth	Metals	Initial Analysis	Remarks	Former Process
2	D-1A	19	25	6	Silver & Cd	First ring samples (20)	Hold remaining samples for analysis	10,000 gal. Silver effluent storage pit, concrete constuction
3	I-3B	7	16	7	Cadmium	First ring samples (12)	Hold remaining samples for analysis	None
6	SB-15	4	11	5	Cadmium	Analyze all	NA	1,400 gal. Silver effluent storage pit, concrete constuction
7	G-5A & RMP-5	3	7	7	Cadmium	First ring samples (9)	Hold remaining samples for analysis	10,000 gal. Silver effluent storage pit, concrete constuction
8	F-5B	3	3	3	Silver	First ring samples (9)	Hold remaining samples for analysis	None

Notes:
1. Borings spacing 10 ft.
2. Results presented on Figures 4-4 through 4-8

Table 4-8
Metals Delineation Soil Results
Remedial Investigation Report
DuPont 666 Driving Park Site

Area 2

Lab Analyte	Units	Background Soil Concentration	NY Soil PPH-RR	A208 8/27/08 0-2	A208 8/27/08 2-4	A2OR1 8/27/08 0-2	A2OR1 8/27/08 2-4	A2OR2 8/27/08 0-2	A2OR2 8/27/08 2-3	A20R2 10/24/08 3-5	A20R3 8/27/08 0-2	A20R3 8/27/08 2-4
CADMIUM	MG/KG	1.7	4.3	**37.3**	**38.5**	**45.7**	ND (0.179)	**8.11**	**21.2**	**3.66 J**	**3.65**	**0.553 J**
SILVER	MG/KG	10	180	**1100**	**324**	**481 J**	**7.65 J**	**242 J**	**447 J**	**132 J**	**103**	**0.615 B**
MOISTURE	%			9.6	9.8	10	21.7	8.1	13.5	16.5	6.3	16.1

Lab Analyte	Units	Background Soil Concentration	NY Soil PPH-RR	A20R4 8/27/08 0-2	A20R4 8/27/08 2-4	A2OR5 8/27/08 0-2	A2OR5 (DUP) 8/27/08 0-2	A2OR5 8/27/08 2-3	A2OR6 8/27/08 0-2	A2OR6 8/27/08 2-3.5	A20R6 10/24/08 4-6	A20R7 8/27/08 0-2
CADMIUM	MG/KG	1.7	4.3	**5.59**	**0.917**	**9.47**	**7.57**	**1.3**	**4.12**	**28.7**	**4.62 J**	**7.61**
SILVER	MG/KG	10	180	**185**	**0.648 B**	**466 J**	**276 J**	**40.8 J**	**203 J**	**393 J**	**185 J**	**286**
MOISTURE	%			7.5	20.3	8.3	9.1	6.9	9.4	11.4	12.3	7.9

Lab Analyte	Units	Background Soil Concentration	NY Soil PPH-RR	A20R8 10/24/08 4-6	A20R9 10/24/08 4-6	A20R11 10/24/08 0-2	A20R11 10/24/08 2-4	A20R11 10/24/08 4-6	A20R12 10/24/08 0-2	A20R13 10/24/08 0-2	A20R13 (DUP) 10/24/08 0-2	A20R14 10/24/08 0-2
CADMIUM	MG/KG	1.7	4.3	**25 J**	ND (0.169) UJ	**0.288 J**	ND (0.146) UJ	**0.435 J**	**3.16 J**	**1.88 J**	**6.1 J**	**82 J**
SILVER	MG/KG	10	180	**581 J**	**1.46 J**	**5.72 J**	**3.33 J**	**1.65 J**	**136 J**	**53.7 J**	**248 J**	**940 J**
MOISTURE	%			15.5	18.7	17.3	5.7	22.4	7.8	8.1	8.9	11.5

LabAnalyte	Units	Background Soil Concentration	NY Soil PPH-RR	B1 8/7/08 0-2	B1 8/7/08 2-4	B2 8/7/08 0-2	B2 8/7/08 2-4	B2 8/7/08 5-7	B3 8/7/08 0-2	B3 8/7/08 2-4	B3 8/7/08 4-5	B3 8/7/08 5-6.5
CADMIUM	MG/KG	1.7	4.3	**11.3 J**	**1.17 J**	**6.89 J**	**1.02 J**	**7.81 J**	**2.66 J**	**0.449 J**	**1.47 J**	ND (0.16) R
SILVER	MG/KG	10	180	**352**	**40.9**	**376**	**10.8**	**407**	**105**	**14.8**	**73.2**	**4.26**
MOISTURE	%			9.5	9.7	9.1	18.9	17.5	13.6	12	21.1	14

LabAnalyte	Units	Background Soil Concentration	NY Soil PPH-RR	B4 8/7/08 0-2	B4 8/7/08 2-4	B4 8/7/08 4-6	B4 8/7/08 6-7	B5 8/7/08 0-2	B5 8/7/08 2-4	B5 8/7/08 4-6	B6 8/7/08 0-2	B6 8/7/08 2-4
CADMIUM	MG/KG	1.7	4.3	**22.3 J**	**26.3 J**	**1.95 J**	**0.264 J**	**27.9 J**	ND (0.163) R	ND (0.162) R	**2.86**	**0.815**
SILVER	MG/KG	10	180	**919**	**1100**	**62.5**	**9.1**	**726**	**0.944 J**	**3.15**		
MOISTURE	%			10	18	17.6	10.8	9.4	16.6	14.6	12.2	21.3

Area 7

LabAnalyte	Units	Background Soil Concentration	NY Soil PPH-RR	B6 8/7/08 4-6	B7 8/7/08 0-2	B7 8/7/08 2-4	B7 8/7/08 4-6	B7 (DUP) 8/7/08 4-6	B8 8/7/08 0-2	B8 8/7/08 2-4	B8 8/7/08 4-6	B8 (DUP) 8/7/08 4-6
CADMIUM	MG/KG	1.7	4.3	**0.647**	**0.843**	**1.09**	**0.505 J**	**0.326 J**	**5.27**	**0.945**	**0.761**	**0.381 J**
SILVER	MG/KG	10	180									
MOISTURE	%			15.5	5.2	27.8	8.5	10.4	16.5	20.3	12.7	10.3

Area 3

LabAnalyte	Units	Background Soil Concentration	NY Soil PPH-RR	B9 8/8/08 0-2	B9 8/8/08 2-4	B9 8/8/08 4-6	B9 8/8/08 6-7	B10 8/8/08 0-2	B11 8/8/08 0-2	B12 8/8/08 0-2	B12 8/8/08 2-4	B12 8/8/08 4-6
CADMIUM	MG/KG	1.7	4.3	**0.827 J**	ND (0.182) UJ	ND (0.162) UJ	ND (0.166) UJ	ND (0.156) UJ	**0.745**	**3.81 J**	**1.74 J**	**0.22 J**
SILVER	MG/KG	10	180									
MOISTURE	%			6.9	23	13.7	17.2	11	9.9	15.8	13.9	16.1

LabAnalyte	Units	Background Soil Concentration	NY Soil PPH-RR	B12 8/8/08 6-7	B12 (DUP) 8/8/08 6-7	B13 8/8/08 0-2	B13 8/8/08 2-4	B14 8/8/08 0-2	B14 8/8/08 2-4	B14 8/8/08 4-6	B14 8/8/08 6-7
CADMIUM	MG/KG	1.7	4.3	ND (0.142) UJ	ND (0.146) UJ	**2.22**	ND (0.165)	ND (0.147)	ND (0.187)	ND (0.169)	ND (0.149)
SILVER	MG/KG	10	180								
MOISTURE	%			3.6	7	12.5	16	6	26.7	19.7	8

Area 6

LabAnalyte	Units	Background Soil Concentration	NY Soil PPH-RR	B15 8/8/08 0-3	B15 8/8/08 3-5	B16 8/8/08 0-3	B16 (DUP) 8/8/08 0-3	B16 8/8/08 3-5	B17 8/8/08 0-3	B17 8/8/08 3-5	B18 8/8/08 0-3	B18 8/8/08 3-5
CADMIUM	MG/KG	1.7	4.3	**0.23 J**	ND (0.164) UJ	ND (0.146) UJ	ND (0.145) UJ	ND (0.16) UJ	**1.35 J**	**3.11 J**	**0.95 J**	**1.06 J**
SILVER	MG/KG	10	180									
MOISTURE	%			8.8	17.2	5.3	5.3	14.8	16.9	9.7	14.2	21.1

Area 8

LabAnalyte	Units	Background Soil Concentration	NY Soil PPH-RR	B19 8/12/08 1-3	B20 (DUP) 8/12/08 1-3	B20 8/12/08 1-3	B21 8/12/08 1-3
CADMIUM	MG/KG	1.7	4.3				
SILVER	MG/KG	10	180	**104**	**28.5 J**	**10.9 J**	**135**
MOISTURE	%			19.8	9.5	15.3	14

NOTES:

Criteria = Protection of Public Health - Restricted Residential Use

ND = Non detect at stated reporting limit

Bold = result detected above MDL

Highlight indicates analyte above PPH-RR criteria.

J = Analyte detected between MDL PQL, result is an estimate.

UJ = Not detected. Reporting limit may not be accurate or precise.

R = Unusable result. Analyte may or may not be present in the sample.

Table 4-9
Background Soil Results
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DuPont 666 Driving Park Site

Lab Analyte	Units	Total (T)/ Diss. (D)	NY Soil Restrict Use PPH-RR	Background Soil Concentration*	BGS-01 7/18/08 0-0.1	BGS-02 7/18/08 0-0.1
Volatile Organic Compounds						
1,1,1-TRICHLOROETHANE	MG/KG	T	100		ND (0.002)	ND (0.002)
1,1,2,2-TETRACHLOROETHANE	MG/KG	T			ND (0.002)	ND (0.002) UJ
1,1,2-TRICHLOROETHANE	MG/KG	T			ND (0.002)	ND (0.002)
1,1-DICHLOROETHANE	MG/KG	T	26		ND (0.002)	ND (0.002)
1,1-DICHLOROETHENE	MG/KG	T	100		ND (0.002)	ND (0.002)
1,2-DICHLOROBENZENE	MG/KG	T	100		ND (0.18)	ND (0.18)
1,2-DICHLOROETHANE	MG/KG	T	3.1		ND (0.002)	ND (0.002)
1,2-DICHLOROPROPANE	MG/KG	T			ND (0.002)	ND (0.002)
1,3-DICHLOROBENZENE	MG/KG	T	49		ND (0.18)	ND (0.18)
1,4-DICHLOROBENZENE	MG/KG	T	13		ND (0.18)	ND (0.18)
2-BUTANONE	MG/KG	T	100	**0.0125**	**0.011 J**	**0.014 J**
2-HEXANONE	MG/KG	T			ND (0.005)	ND (0.005)
2-PROPANOL	MG/KG	T				
4-METHYL-2-PENTANONE	MG/KG	T			ND (0.005)	ND (0.005)
ACETONE	MG/KG	T	100	**0.13**	**0.12**	**0.14**
BENZENE	MG/KG	T	4.8	**0.006**	**0.002 J**	**0.01**
BROMODICHLOROMETHANE	MG/KG	T			ND (0.002)	ND (0.002)
BROMOFORM	MG/KG	T			ND (0.002) UJ	ND (0.002)
BROMOMETHANE	MG/KG	T			ND (0.003)	ND (0.003)
CARBON DISULFIDE	MG/KG	T			ND (0.002)	ND (0.002)
CARBON TETRACHLORIDE	MG/KG	T	2.4		ND (0.002)	ND (0.002)
CHLOROBENZENE	MG/KG	T	100		ND (0.002)	ND (0.002)
CHLOROETHANE	MG/KG	T			ND (0.003)	ND (0.003)
CHLOROFORM	MG/KG	T	49		ND (0.002)	ND (0.002)
CHLOROMETHANE	MG/KG	T			ND (0.003)	ND (0.003)
CIS-1,2-DICHLOROETHENE	MG/KG	T	100		ND (0.002)	ND (0.002)
CIS-1,3-DICHLOROPROPENE	MG/KG	T			ND (0.002)	ND (0.002)
DIBROMOCHLOROMETHANE	MG/KG	T			ND (0.002) UJ	ND (0.002)
ETHANOL (BY DIRECT INJECTION)	MG/KG	T				
ETHYLBENZENE	MG/KG	T	41		ND (0.002)	ND (0.002)
METHANOL (BY DIRECT INJECTION)	MG/KG	T				
METHYLENE CHLORIDE	MG/KG	T	100		ND (0.003)	ND (0.003)
N-BUTANOL	MG/KG	T				
STYRENE	MG/KG	T			ND (0.002)	ND (0.002)
TETRACHLOROETHENE	MG/KG	T	19		ND (0.002)	ND (0.002)
TOLUENE	MG/KG	T	100	**0.01**	**0.005 J**	**0.015**
TRANS-1,2-DICHLOROETHENE	MG/KG	T	100		ND (0.002)	ND (0.002)
TRANS-1,3-DICHLOROPROPENE	MG/KG	T			ND (0.002)	ND (0.002)
TRICHLOROETHENE	MG/KG	T	21		ND (0.002)	ND (0.002)
VINYL CHLORIDE	MG/KG	T	0.9		ND (0.002)	ND (0.002)
XYLENE (TOTAL)	MG/KG	T	100	**0.006**	**0.002 J**	**0.01**
Semi-Volatile Organic Compounds						
1,2,4-TRICHLOROBENZENE	MG/KG	T			ND (0.18)	ND (0.18)
2,2-OXYBIS(1-CHLOROPROPANE)	MG/KG	T			ND (0.18)	ND (0.18)
2,4,5-TRICHLOROPHENOL	MG/KG	T			ND (0.36)	ND (0.36)
2,4,6-TRICHLOROPHENOL	MG/KG	T			ND (0.18)	ND (0.18)
2,4-DICHLOROPHENOL	MG/KG	T			ND (0.18)	ND (0.18)
2,4-DIMETHYLPHENOL	MG/KG	T			ND (0.36)	ND (0.36)
2,4-DINITROPHENOL	MG/KG	T			ND (3.6) R	ND (3.6)
2,4-DINITROTOLUENE	MG/KG	T			ND (0.36)	ND (0.36)
2,6-DINITROTOLUENE	MG/KG	T			ND (0.18)	ND (0.18)
2-CHLORONAPHTHALENE	MG/KG	T			ND (0.18)	ND (0.18)
2-CHLOROPHENOL	MG/KG	T			ND (0.18)	ND (0.18)

Criteria = NY Soil PPH Restricted Residential
ND = Non-detect at stated reporting limit
Highlight = detected above PPH-RR criteria
Bold = detected above MDL
J = detected between MDL and PQL, should be considered an estimate

Table 4-9
Background Soil Results
Remedial Investigation Report
DuPont 666 Driving Park Site

Lab Analyte	Units	Total (T)/ Diss. (D)	NY Soil Restrict Use PPH-RR	Background Soil Concentration*	BGS-01 7/18/08 0-0.1	BGS-02 7/18/08 0-0.1
Semi-Volatile Organic Compounds (continued)						
2-METHYLNAPHTHALENE	MG/KG	T			ND (0.18)	ND (0.18)
2-METHYLPHENOL	MG/KG	T	100		ND (0.36)	ND (0.36)
2-NITROANILINE	MG/KG	T			ND (0.18)	ND (0.18)
2-NITROPHENOL	MG/KG	T			ND (0.18)	ND (0.18)
3,3-DICHLOROBENZIDINE	MG/KG	T			ND (0.55)	ND (0.54)
3-NITROANILINE	MG/KG	T			ND (0.36)	ND (0.36)
4,6-DINITRO-2-METHYLPHENOL	MG/KG	T			ND (0.91) R	ND (0.91)
4-BROMOPHENYL-PHENYLETHER	MG/KG	T			ND (0.18)	ND (0.18)
4-CHLORO-3-METHYLPHENOL	MG/KG	T			ND (0.36)	ND (0.36)
4-CHLOROANILINE	MG/KG	T			ND (0.36)	ND (0.36)
4-CHLOROPHENYL-PHENYLETHER	MG/KG	T			ND (0.18)	ND (0.18)
4-METHYLPHENOL	MG/KG	T	100		ND (0.36)	ND (0.36)
4-NITROANILINE	MG/KG	T			ND (0.36)	ND (0.36)
4-NITROPHENOL	MG/KG	T			ND (0.91)	ND (0.91)
ACENAPHTHENE	MG/KG	T	100	0.42	**0.42 J**	ND (0.18)
ACENAPHTHYLENE	MG/KG	T	100		ND (0.18)	ND (0.18)
ANTHRACENE	MG/KG	T	100	1.3	**1.3 J**	ND (0.18)
BENZO(A)ANTHRACENE	MG/KG	T	1	3.24	**5.8 J**	**0.68 J**
BENZO(A)PYRENE	MG/KG	T	1	3.35	**6 J**	**0.7 J**
BENZO(B)FLUORANTHENE	MG/KG	T	1	4.55	**8**	**1.1**
BENZO(G,H,I)PERYLENE	MG/KG	T	100	2.64	**4.7 J**	**0.58 J**
BENZO(K)FLUORANTHENE	MG/KG	T	3.9	1.83	**3.3 J**	**0.36 J**
BIS(2-CHLOROETHOXY)METHANE	MG/KG	T			ND (0.18)	ND (0.18)
BIS(2-CHLOROETHYL)ETHER	MG/KG	T			ND (0.18)	ND (0.18)
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T			ND (0.36)	ND (0.36)
BUTYLBENZYLPHTHALATE	MG/KG	T			ND (0.36)	ND (0.36)
CARBAZOLE	MG/KG	T		0.69	**0.69 J**	ND (0.18)
CHRYSENE	MG/KG	T	3.9	3.49	**6.2 J**	**0.78 J**
DIBENZ(A,H)ANTHRACENE	MG/KG	T	0.33	1.2	**1.2**	ND (0.18)
DIBENZOFURAN	MG/KG	T	59	0.2	**0.2 J**	ND (0.18)
DIETHYLPHTHALATE	MG/KG	T			ND (0.36)	ND (0.36)
DIMETHYLPHTHALATE	MG/KG	T			ND (0.36)	ND (0.36)
DI-N-BUTYLPHTHALATE	MG/KG	T			ND (0.36)	ND (0.36)
DI-N-OCTYLPHTHALATE	MG/KG	T			ND (0.36)	ND (0.36)
FLUORANTHENE	MG/KG	T	100	7.25	**13**	**1.5**
FLUORENE	MG/KG	T	100	0.44	**0.44 J**	ND (0.18)
HEXACHLOROBENZENE	MG/KG	T	1.2		ND (0.18)	ND (0.18)
HEXACHLOROBUTADIENE	MG/KG	T			ND (0.36)	ND (0.36)
HEXACHLOROCYCLOPENTADIENE	MG/KG	T			ND (0.91) R	ND (0.91)
HEXACHLOROETHANE	MG/KG	T			ND (0.18)	ND (0.18)
INDENO(1,2,3-CD)PYRENE	MG/KG	T	0.5	2.29	**4.1 J**	**0.48 J**
ISOPHORONE	MG/KG	T			ND (0.18)	ND (0.18)
NAPHTHALENE	MG/KG	T	100		ND (0.18)	ND (0.18)
NITROBENZENE	MG/KG	T			ND (0.18)	ND (0.18)
N-NITROSO-DI-N-PROPYLAMINE	MG/KG	T			ND (0.18)	ND (0.18)
N-NITROSODIPHENYLAMINE	MG/KG	T			ND (0.18)	ND (0.18)
PENTACHLOROPHENOL	MG/KG	T	6.7		ND (0.91) R	ND (0.91)
PHENANTHRENE	MG/KG	T	100	3.875	**6.8 J**	**0.95**
PHENOL	MG/KG	T	100		ND (0.18)	ND (0.18)
PYRENE	MG/KG	T	100	7.2	**13**	**1.4**

Criteria = NY Soil PPH Restricted Residential
ND = Non-detect at stated reporting limit
Highlight = detected above PPH-RR criteria
Bold = detected above MDL
J = detected between MDL and PQL, should be considered an estimate

Table 4-9
Background Soil Results
Remedial Investigation Report
DuPont 666 Driving Park Site

Lab Analyte	Units	Total (T)/ Diss. (D)	NY Soil Restrict Use PPH-RR	Background Soil Concentration*	BGS-01 7/18/08 0-0.1	BGS-02 7/18/08 0-0.1
PCBs						
PCB-1016	MG/KG	T			ND (0.018) UJ	ND (0.018) UJ
PCB-1221	MG/KG	T			ND (0.0765) UJ	ND (0.0762) UJ
PCB-1232	MG/KG	T			ND (0.029) UJ	ND (0.0288) UJ
PCB-1242	MG/KG	T			ND (0.0421) UJ	ND (0.0419) UJ
PCB-1248	MG/KG	T			ND (0.0306) UJ	ND (0.0305) UJ
PCB-1254	MG/KG	T			ND (0.0295) UJ	ND (0.0294) UJ
PCB-1260	MG/KG	T	1	0.32	**0.324 J**	ND (0.0343) UJ
Pesticides						
ALDRIN	MG/KG	T	0.097		ND (0.0018)	ND (0.0018)
ALPHA BHC	MG/KG	T	0.48		ND (0.0018) UJ	ND (0.0018) UJ
ALPHA CHLORDANE	MG/KG	T	4.2	0.0073	ND (0.00093)	**0.0073**
BETA BHC	MG/KG	T	0.36		ND (0.0033) R	ND (0.0033)
DELTA BHC	MG/KG	T	100		ND (0.00093)	ND (0.00092)
DIELDRIN	MG/KG	T	0.2	0.1	ND (0.0018)	**0.1**
ENDOSULFAN I	MG/KG	T	24		ND (0.0012)	ND (0.0012)
ENDOSULFAN II	MG/KG	T	24		ND (0.0018)	ND (0.0018)
ENDOSULFAN SULFATE	MG/KG	T	24		ND (0.0018) R	ND (0.0018)
ENDRIN	MG/KG	T	11		ND (0.0018) UJ	ND (0.0018)
ENDRIN ALDEHYDE	MG/KG	T		0.0048	**0.0048 J**	ND (0.0018)
ENDRIN KETONE	MG/KG	T			ND (0.0018)	ND (0.0018)
GAMMA BHC - LINDANE	MG/KG	T	1.3		ND (0.00093)	ND (0.00092)
GAMMA CHLORDANE	MG/KG	T			ND (0.0055) R	ND (0.0054)
HEPTACHLOR	MG/KG	T	2.1		ND (0.00093) UJ	ND (0.00092) UJ
HEPTACHLOR EPOXIDE	MG/KG	T		0.0101	**0.0032 J**	**0.017**
METHOXYCHLOR	MG/KG	T			ND (0.0093) UJ	ND (0.0092) UJ
P,P-DDD	MG/KG	T	13	0.0081	**0.012 J**	**0.0042 J**
P,P-DDE	MG/KG	T	8.9	0.01805	**0.0061 J**	**0.03 J**
P,P-DDT	MG/KG	T	7.9	0.029	**0.025 J**	**0.033 J**
TOXAPHENE	MG/KG	T			ND (0.06)	ND (0.06)
Metals						
ALUMINUM	MG/KG	T		13200	**12000**	**14400**
ANTIMONY	MG/KG	T			ND (0.259) R	ND (0.258) R
ARSENIC	MG/KG	T	16	7.18	**5.31**	**9.05**
BARIUM	MG/KG	T	400	76	**64.9**	**87.1**
BERYLLIUM	MG/KG	T	72	0.5895	**0.493 J**	**0.686**
CADMIUM	MG/KG	T	4.3	1.68	**1.31 J**	**2.05 J**
CALCIUM	MG/KG	T		24400	**14000**	**34800**
CHROMIUM	MG/KG	T	30	25.15	**20.6**	**29.7**
COBALT	MG/KG	T		6.165	**6.44**	**5.89**
COPPER	MG/KG	T	270	30.6	**17.3**	**43.9**
IRON	MG/KG	T		18450	**18900**	**18000**
LEAD	MG/KG	T	400	89.7	**38.4**	**141**
MAGNESIUM	MG/KG	T		11220	**6740 J**	**15700 J**
MANGANESE	MG/KG	T	2000	430	**478**	**382**
MERCURY	MG/KG	T	0.81	0.1577	**0.0594 J**	**0.256**
NICKEL	MG/KG	T	310	16.65	**13.8**	**19.5**
POTASSIUM	MG/KG	T		2640	**2080**	**3200**
SELENIUM	MG/KG	T	180	1.14	ND (1.02)	**1.14 J**
SILVER	MG/KG	T	180	9.975	**16.1**	**3.85**
SODIUM	MG/KG	T		211.3	**79.6 J**	**343**
THALLIUM	MG/KG	T		0.2115	**0.174 J**	**0.249 J**
VANADIUM	MG/KG	T		26.65	**26**	**27.3**
ZINC	MG/KG	T	10000	114.25	**75.5**	**153**
Miscellaneous						
MOISTURE	%	T		8.3	8.5	8.1
TOTAL CYANIDE	MG/KG	T	27		ND (0.19)	ND (0.2)

* Background Soil Concentration = Average of two site-specific samples.

Criteria = NY Soil PPH Restricted Residential
ND = Non-detect at stated reporting limit
Highlight = detected above PPH-RR criteria
Bold = detected above MDL
J = detected between MDL and PQL, should be considered an estimate

Table 4-10
Stormwater Catch Basin Solids Results
Remedial Investigation Report
DuPont 666 Driving Park Site

LabAnalyte	Units	Total (T)/ Diss. (D)	Background Soil Concentration*	NYS Background Soil Concentration+	NY Soil Restrict Use PPH-RR	Regional Screening Levels (a)	CB-01 7/18/08	CB-02 7/18/08	CB-03 7/18/08
Volatile Organic Compounds									
1,1,1-TRICHLOROETHANE	MG/KG	T			100		ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
1,1,2,2-TETRACHLOROETHANE	MG/KG	T				0.59	ND (0.002) UJ	ND (0.002) R	ND (0.001) R
1,1,2-TRICHLOROETHANE	MG/KG	T				1.1	ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
1,1-DICHLOROETHANE	MG/KG	T			26		ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
1,1-DICHLOROETHENE	MG/KG	T			100		ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
1,2-DICHLOROBENZENE	MG/KG	T			100		ND (0.24)	ND (0.22)	ND (0.39)
1,2-DICHLOROETHANE	MG/KG	T			3.1		ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
1,2-DICHLOROPROPANE	MG/KG	T				0.93	ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
1,3-DICHLOROBENZENE	MG/KG	T			49		ND (0.24)	ND (0.22)	ND (0.39)
1,4-DICHLOROBENZENE	MG/KG	T			13		ND (0.24)	ND (0.22)	ND (0.39)
2-BUTANONE	MG/KG	T	0.013		100		ND (0.007)	**0.017 J**	**0.042 J**
2-HEXANONE	MG/KG	T					ND (0.005)	ND (0.005) UJ	ND (0.004) UJ
2-PROPANOL	MG/KG	T							
4-METHYL-2-PENTANONE	MG/KG	T				5300	ND (0.005)	ND (0.005) UJ	ND (0.004) UJ
ACETONE	MG/KG	T	0.13		100		**0.053**	**0.16 J**	**0.17 J**
BENZENE	MG/KG	T	0.006		4.8		**0.015**	**0.014 J**	**0.025 J**
BROMODICHLOROMETHANE	MG/KG	T				10	ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
BROMOFORM	MG/KG	T				61	ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
BROMOMETHANE	MG/KG	T				7.9	ND (0.003)	ND (0.003) UJ	ND (0.003) UJ
CARBON DISULFIDE	MG/KG	T				670	**0.002 J**	**0.003 J**	**0.013 J**
CARBON TETRACHLORIDE	MG/KG	T			2.4		ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
CHLOROBENZENE	MG/KG	T			100		ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
CHLOROETHANE	MG/KG	T				15000	ND (0.003)	ND (0.003) UJ	ND (0.003) UJ
CHLOROFORM	MG/KG	T			49		ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
CHLOROMETHANE	MG/KG	T				1.7	ND (0.003)	ND (0.003) UJ	ND (0.003) UJ
CIS-1,2-DICHLOROETHENE	MG/KG	T			100		ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
CIS-1,3-DICHLOROPROPENE (3)	MG/KG	T					ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
DIBROMOCHLOROMETHANE	MG/KG	T				5.8	ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
ETHANOL (BY DIRECT INJECTION)	MG/KG	T							
ETHYLBENZENE	MG/KG	T			41		**0.002 J**	**0.003 J**	**0.006 J**
METHANOL (BY DIRECT INJECTION)	MG/KG	T							
METHYLENE CHLORIDE	MG/KG	T			100		ND (0.003)	ND (0.003) UJ	ND (0.003) UJ
N-BUTANOL	MG/KG	T							
STYRENE	MG/KG	T				6500	ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
TETRACHLOROETHENE	MG/KG	T			19		ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
TOLUENE	MG/KG	T	0.01		100		**0.03**	**0.031 J**	**0.054 J**
TRANS-1,2-DICHLOROETHENE	MG/KG	T			100		ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
TRANS-1,3-DICHLOROPROPENE (3)	MG/KG	T					ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
TRICHLOROETHENE	MG/KG	T			21		ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
VINYL CHLORIDE	MG/KG	T			0.9		ND (0.002)	ND (0.002) UJ	ND (0.001) UJ
XYLENE (TOTAL)	MG/KG	T	0.006		100		**0.019**	**0.018 J**	**0.04 J**

ND = Non-detect at stated reporting limit
Bold = detected above MDL
J = detected between MDL and PQL, should be considered an estimate
*Background Soil Concentration = Average of Two site-specific samples.
+NYSDEC TAGM 4046, 01/96

Table 4-10
Stormwater Catch Basin Solids Results
Remedial Investigation Report
DuPont 666 Driving Park Site

LabAnalyte	Units	Total (T)/ Diss. (D)	Background Soil Concentration*	NYS Background Soil Concentration+	NY Soil Restrict Use PPH-RR	Regional Screening Levels (a)	CB-01 7/18/08	CB-02 7/18/08	CB-03 7/18/08
Semi-Volatile Organic Compounds									
1,2,4-TRICHLOROBENZENE	MG/KG	T				87	ND (0.24)	ND (0.22)	ND (0.39)
2,2-OXYBIS(1-CHLOROPROPANE)	MG/KG	T				3.5	ND (0.24)	ND (0.22)	ND (0.39)
2,4,5-TRICHLOROPHENOL	MG/KG	T				6100	ND (0.49)	ND (0.44)	ND (0.78)
2,4,6-TRICHLOROPHENOL	MG/KG	T				44	ND (0.24)	ND (0.22)	ND (0.39)
2,4-DICHLOROPHENOL	MG/KG	T				180	ND (0.24)	ND (0.22)	ND (0.39)
2,4-DIMETHYLPHENOL	MG/KG	T				1200	ND (0.49)	ND (0.44)	ND (0.78)
2,4-DINITROPHENOL	MG/KG	T				120	ND (4.9)	ND (4.4)	ND (7.8)
2,4-DINITROTOLUENE	MG/KG	T				120	ND (0.49)	ND (0.44)	ND (0.78)
2,6-DINITROTOLUENE	MG/KG	T				61	ND (0.24)	ND (0.22)	ND (0.39)
2-CHLORONAPHTHALENE	MG/KG	T				6300	ND (0.24)	ND (0.22)	ND (0.39)
2-CHLOROPHENOL	MG/KG	T				390	ND (0.24)	ND (0.22)	ND (0.39)
2-METHYLNAPHTHALENE	MG/KG	T				310	ND (0.24)	**1 J**	**1.4 J**
2-METHYLPHENOL	MG/KG	T			100		ND (0.49)	ND (0.44)	ND (0.78)
2-NITROANILINE	MG/KG	T					ND (0.24)	ND (0.22)	ND (0.39)
2-NITROPHENOL	MG/KG	T					ND (0.24)	ND (0.22)	ND (0.39)
3,3-DICHLOROBENZIDINE	MG/KG	T				1.1	ND (0.73)	ND (0.65)	ND (1.2)
3-NITROANILINE	MG/KG	T				18	ND (0.49)	ND (0.44)	ND (0.78)
4,6-DINITRO-2-METHYLPHENOL	MG/KG	T				6.1	ND (1.2)	ND (1.1)	ND (2)
4-BROMOPHENYL-PHENYLETHER	MG/KG	T					ND (0.24)	ND (0.22)	ND (0.39)
4-CHLORO-3-METHYLPHENOL	MG/KG	T					ND (0.49)	ND (0.44)	ND (0.78)
4-CHLOROANILINE	MG/KG	T				9	ND (0.49)	ND (0.44)	ND (0.78)
4-CHLOROPHENYL-PHENYLETHER	MG/KG	T					ND (0.24)	ND (0.22)	ND (0.39)
4-METHYLPHENOL	MG/KG	T			100		ND (0.49)	ND (0.44)	ND (0.78)
4-NITROANILINE	MG/KG	T				23	ND (0.49)	ND (0.44)	ND (0.78)
4-NITROPHENOL	MG/KG	T					ND (1.2)	ND (1.1)	ND (2)
ACENAPHTHENE	MG/KG	T	0.42		100		**1.2 J**	**20**	**21**
ACENAPHTHYLENE	MG/KG	T			100		ND (0.24)	**3.1**	**5.2**
ANTHRACENE	MG/KG	T	1.3		100		**3.3**	**46**	**53**
BENZO(A)ANTHRACENE	MG/KG	T	3.2		1		**12**	**220**	**260**
BENZO(A)PYRENE	MG/KG	T	3.4		1		**11**	**230**	**260**
BENZO(B)FLUORANTHENE	MG/KG	T	4.6		1		**18**	**400**	**460**
BENZO(G,H,I)PERYLENE	MG/KG	T	2.6		100		**7.9**	**220**	**200**
BENZO(K)FLUORANTHENE	MG/KG	T	1.8		3.9		**7.1 J**	**180 J**	**140 J**
BIS(2-CHLOROETHOXY)METHANE	MG/KG	T				180	ND (0.24)	ND (0.22)	ND (0.39)
BIS(2-CHLOROETHYL)ETHER	MG/KG	T				0.19	ND (0.24)	ND (0.22)	ND (0.39)
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T				35	ND (0.49)	ND (0.44)	**8.6**
BUTYLBENZYLPHTHALATE	MG/KG	T				260	ND (0.49)	ND (0.44)	**1.8 J**
CARBAZOLE	MG/KG	T	0.69				**2.7**	**75**	**74**
CHRYSENE	MG/KG	T	3.5		3.9		**14**	**290**	**320**
DIBENZ(A,H)ANTHRACENE	MG/KG	T	1.2		0.33		**2.2**	**17**	**16**
DIBENZOFURAN	MG/KG	T	0.2		59		**0.68 J**	**9.7**	**11**
DIETHYLPHTHALATE	MG/KG	T				49000	ND (0.49)	ND (0.44)	ND (0.78)
DIMETHYLPHTHALATE	MG/KG	T					ND (0.49)	ND (0.44)	ND (0.78)
DI-N-BUTYLPHTHALATE	MG/KG	T				6100	ND (0.49)	ND (0.44)	0.79 J
DI-N-OCTYLPHTHALATE	MG/KG	T					ND (0.49)	ND (0.44)	ND (0.78)

ND = Non-detect at stated reporting limit
Bold = detected above MDL
J = detected between MDL and PQL, should be considered an estimate
*Background Soil Concentration = Average of Two site-specific samples.
+NYSDEC TAGM 4046, 01/96

Table 4-10
Stormwater Catch Basin Solids Results
Remedial Investigation Report
DuPont 666 Driving Park Site

LabAnalyte	Units	Total (T)/ Diss. (D)	Background Soil Concentration*	NYS Background Soil Concentration+	NY Soil Restrict Use PPH-RR	Regional Screening Levels (a)	CB-01 7/18/08	CB-02 7/18/08	CB-03 7/18/08
Semi-Volatile Organic Compounds (continued)									
FLUORANTHENE	MG/KG	T	7.3		100		**31**	**760**	**760**
FLUORENE	MG/KG	T	0.44		100		**1.4**	**21**	**30**
HEXACHLOROBENZENE	MG/KG	T			1.2		ND (0.24)	ND (0.22)	ND (0.39)
HEXACHLOROBUTADIENE	MG/KG	T				6.2	ND (0.49)	ND (0.44)	ND (0.78)
HEXACHLOROCYCLOPENTADIENE	MG/KG	T				370	ND (1.2)	ND (1.1)	ND (2)
HEXACHLOROETHANE	MG/KG	T				35	ND (0.24)	ND (0.22)	ND (0.39)
INDENO(1,2,3-CD)PYRENE	MG/KG	T	2.3		0.5		**7.4**	**210**	**190**
ISOPHORONE	MG/KG	T				510	ND (0.24)	ND (0.22)	ND (0.39)
NAPHTHALENE	MG/KG	T			100		ND (0.24)	**1.8**	**3.1**
NITROBENZENE	MG/KG	T				31	ND (0.24)	ND (0.22)	ND (0.39)
N-NITROSO-DI-N-PROPYLAMINE	MG/KG	T				0.069	ND (0.24)	ND (0.22)	ND (0.39)
N-NITROSODIPHENYLAMINE	MG/KG	T				99	ND (0.24)	ND (0.22)	ND (0.39)
PENTACHLOROPHENOL	MG/KG	T			6.7		ND (1.2)	ND (1.1)	ND (2)
PHENANTHRENE	MG/KG	T	3.9		100		**21**	**420**	**450**
PHENOL	MG/KG	T			100		ND (0.24)	0.26 J	ND (0.39)
PYRENE	MG/KG	T	7.2		100		**28**	**550**	**540**
PCBs									
PCB-1016	MG/KG	T				3.9	ND (0.0048) UJ	ND (0.00431) UJ	ND (0.00387) UJ
PCB-1221	MG/KG	T				0.17	ND (0.0204) UJ	ND (0.0183) UJ	ND (0.0164) UJ
PCB-1232	MG/KG	T				0.17	ND (0.00771) UJ	ND (0.00692) UJ	ND (0.00622) UJ
PCB-1242	MG/KG	T				0.22	ND (0.0112) UJ	**0.0135 J**	**0.026 J**
PCB-1248	MG/KG	T				0.22	ND (0.00815) UJ	ND (0.00731) UJ	ND (0.00657) UJ
PCB-1254	MG/KG	T				0.22	ND (0.00786) UJ	**0.0717 J**	**0.0308 J**
PCB-1260 (2)	MG/KG	T	0.32		1	0.22	**0.0512 J**	**0.0284 J**	**0.0591 J**
Pesticides									
ALDRIN	MG/KG	T			0.097		ND (0.0024)	ND (0.043)	ND (0.039)
ALPHA BHC	MG/KG	T			0.48		ND (0.0024) UJ	ND (0.043)	ND (0.039)
ALPHA CHLORDANE	MG/KG	T	0.0073		4.2		ND (0.0051)	ND (0.022)	ND (0.02)
BETA BHC	MG/KG	T			0.36		ND (0.0044)	ND (0.08)	ND (0.072)
DELTA BHC	MG/KG	T			100		ND (0.0012)	ND (0.022)	ND (0.02)
DIELDRIN	MG/KG	T	0.1		0.2		ND (0.0024)	ND (0.043)	ND (0.039)
ENDOSULFAN I	MG/KG	T			24		ND (0.0016)	ND (0.029)	ND (0.026)
ENDOSULFAN II	MG/KG	T			24		ND (0.0024)	ND (0.043)	ND (0.039)
ENDOSULFAN SULFATE	MG/KG	T			24		ND (0.0024)	ND (0.043)	ND (0.039)
ENDRIN	MG/KG	T			11		ND (0.0024)	ND (0.043)	**0.085 J**
ENDRIN ALDEHYDE	MG/KG	T	0.0048				**0.006 J**	ND (0.043)	ND (0.039)
ENDRIN KETONE	MG/KG	T					ND (0.0024)	ND (0.043)	ND (0.039)
GAMMA BHC - LINDANE	MG/KG	T			1.3		ND (0.0012)	ND (0.022)	ND (0.02)
GAMMA CHLORDANE	MG/KG	T					ND (0.0073)	ND (0.13)	ND (0.12)
HEPTACHLOR	MG/KG	T			2.1		ND (0.0012) UJ	ND (0.022)	ND (0.02)
HEPTACHLOR EPOXIDE	MG/KG	T	0.010			0.053	ND (0.0012)	ND (0.022)	ND (0.02)
METHOXYCHLOR	MG/KG	T				310	ND (0.012) UJ	ND (0.22)	ND (0.2)
P,P-DDD	MG/KG	T	0.0081		13		ND (0.0024)	ND (0.043)	ND (0.039)
P,P-DDE	MG/KG	T	0.018		8.9		ND (0.0024)	ND (0.043)	ND (0.039)
P,P-DDT	MG/KG	T	0.029		7.9		**0.0062 J**	**0.046 J**	ND (0.039)
TOXAPHENE	MG/KG	T				0.44	ND (0.08)	ND (1.4)	ND (1.3)

ND = Non-detect at stated reporting limit
Bold = detected above MDL
J = detected between MDL and PQL, should be considered an estimate
*Background Soil Concentration = Average of Two site-specific samples.
+NYSDEC TAGM 4046, 01/96

Table 4-10
Stormwater Catch Basin Solids Results
Remedial Investigation Report
DuPont 666 Driving Park Site

LabAnalyte	Units	Total (T)/ Diss. (D)	Background Soil Concentration*	NYS Background Soil Concentration+	NY Soil Restrict Use PPH-RR	Regional Screening Levels (a)	CB-01 7/18/08	CB-02 7/18/08	CB-03 7/18/08
Metals									
ALUMINUM	MG/KG	T	13200	33000		77000	**5700**	**5870**	**4130**
ANTIMONY	MG/KG	T				31	ND (0.345) R	ND (0.309) R	ND (0.278) R
ARSENIC	MG/KG	T	7.2	12	16		**3.98**	**3.17**	**3.62**
BARIUM	MG/KG	T	76	600	400		**24.6**	**32.4**	**33.3**
BERYLLIUM	MG/KG	T	0.59	1.75	72		**0.235 J**	**0.287 J**	**0.261 J**
CADMIUM	MG/KG	T	1.7	1	4.3		**7.93**	**1.38 J**	**1.63 J**
CALCIUM	MG/KG	T	24400	35000			**118000**	**53300**	**131000**
CHROMIUM (1)	MG/KG	T	25	40	30		**39.2**	**69.4**	**73.6**
COBALT	MG/KG	T	6.2	60		23	**9.87**	**4.67**	**2.57**
COPPER	MG/KG	T	31	50	270		**63.8**	**64.1**	**109**
IRON	MG/KG	T	18450	550000		55000	**134000**	**11700**	**11200**
LEAD	MG/KG	T	90	500	400		**25**	**192**	**213**
MAGNESIUM	MG/KG	T	11220	5000			**33900 J**	**24000 J**	**41400 J**
MANGANESE	MG/KG	T	430	5000	2000		**706**	**270**	**200**
MERCURY	MG/KG	T	0.16	0.2	0.81		**0.0166 B**	**0.0681 J**	**0.0979 J**
NICKEL	MG/KG	T	17	25	310		**26.8**	**17**	**13.3**
POTASSIUM	MG/KG	T	2640	43000			**1290**	**1510**	**1180**
SELENIUM	MG/KG	T	1.1	3.9	180		ND (1.35)	ND (1.21)	**1.29 J**
SILVER	MG/KG	T	10		180		**3.76**	**9.79**	**26.1**
SODIUM	MG/KG	T	211	8000			**124 J**	**105 J**	**689**
THALLIUM	MG/KG	T	0.21			5.1	ND (0.218)	ND (0.196)	ND (0.176)
VANADIUM	MG/KG	T	27	300		550	**11.4**	**17.5**	**14.6**
ZINC	MG/KG	T	114	50	10000		**142**	**196**	**282**
Miscellaneous									
MOISTURE	%	T					31.3	23.4	14.8
TOTAL CYANIDE	MG/KG	T					ND (0.26)	**0.82**	**0.23 J**

Material Description

Catch Basin ID	Material Description	Remarks
CB-01	Coarse gravel, some silt	8-inches water
CB-02	Brown sand, trace silt and debris	Dry
CB-03	Dark	1-foot of water

Notes:

(a) Values used as a surrogate for Restricted Residential Soil Objectives for constituents that lack SCOs.

(1) Value for trivalent Chromium used as former process did not involve hexavalent chromium.

(2) Soil objective is for total PCBs.

(3) Regional Screening Level for total 1,3-Dichloropropene used.

ND = Non-detect at stated reporting limit
Bold = detected above MDL
J = detected between MDL and PQL, should be considered an estimate
*Background Soil Concentration = Average of Two site-specific samples.
+NYSDEC TAGM 4046, 01/96

Table 4-11
Groundwater Elevation Summary
September to December 2008
Remedial Investigation Report
DuPont 666 Driving Park Site

Location	Casing Elevation	9/10/2008			9/16/2008			10/16/2008		
		Time	Depth to Water	Groundwater Elevation	Time	Depth to Water	Groundwater Elevation	Time	Depth to Water	Groundwater Elevation
MW-01	494.01	NR	NR	NR	7:16 AM	13.78	480.23	9:33 AM	13.96	480.05
MW-02	503.32	11:02 AM	19.00	484.32	7:24 AM	18.40	484.92	9:27 AM	18.91	484.41
MW-03	508.49	1:40 PM	21.22	487.27	7:35 AM	21.66	486.83	9:20 AM	21.97	486.52
MW-04	508.38	2:34 PM	21.87	486.51	7:32 AM	20.82	487.56	9:22 AM	22.08	486.30
MW-05	494.50	8:35 AM	13.18	481.32	11:31 AM	20.35	474.15	9:31 AM	13.46	481.04
MW-06	507.85	3:43 PM	20.88	486.97	7:28 AM	20.77	487.08	9:23 AM	20.99	486.86
MW-07	507.57	10:57 AM	20.88	486.69	7:34 AM	20.62	486.95	9:21 AM	20.65	486.92
MW-09	504.41	4:10 PM	17.95	486.46	7:30 AM	17.72	486.69	9:25 AM	18.16	486.25

Location	Casing Elevation	10/30/2008			11/14/2008			12/16/2008		
		Time	Depth to Water	Groundwater Elevation	Time	Depth to Water	Groundwater Elevation	Time	Depth to Water	Groundwater Elevation
MW-01	494.01	3:16 PM	12.71	481.30	2:41 PM	17.47	480.47	3:49 PM	12.03	481.98
MW-02	503.32	3:11 PM	13.84	489.48	2:35 PM	20.76	485.85	3:35 PM	12.75	490.57
MW-03	508.49	2:57 PM	19.56	488.93	2:33 PM	20.85	487.73	3:07 PM	18.61	489.88
MW-04	508.38	3:08 PM	19.62	488.76	2:44 PM	12.51	487.53	3:27 PM	18.68	489.70
MW-05	494.50	3:16 PM	11.04	483.46	2:39 PM	19.68	481.99	3:45 PM	11.55	482.95
MW-06	507.85	3:05 PM	18.55	489.30	2:37 PM	19.09	488.17	3:26 PM	17.65	490.20
MW-07	507.57	3:03 PM	17.63	489.94	2:43 PM	16.76	488.48	3:24 PM	15.06	492.51
MW-09	504.41	3:13 PM	14.19	490.22	2:47 PM	13.54	487.65	3:43 PM	12.59	487.65

Table 4-12
Hydraulic Conductivity Testing Results
Remedial Investigation Report
DuPont 666 Driving Park Site

Well ID	Average Hydraulic Conductivity			
	ft/minute	ft/day	cm/sec	meters/day
MW-01	6.247E-05	0.09	3.174E-05	0.027
MW-02	6.190E-05	0.09	3.145E-05	0.027
MW-04	1.439E-05	0.02	7.310E-06	0.006
MW-06	7.027E-05	0.10	3.570E-05	0.031
MW-09	9.085E-05	0.13	4.615E-05	0.040

Table 4-13
First Round Groundwater Results
Remedial Investigation Report
DuPont 666 Driving Park Site

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	MW-01 9/16/08	MW-02 9/16/08	MW-03 9/16/08	MW-04 9/15/08	MW-05 9/17/08	MW-06 9/18/08	MW-07 9/16/08	MW-09 9/15/08
Field Parameters											
DEPTH TO WATER FROM TOC	Feet	T		13.87	18.39	21.66	21.83	23.31	20.79	20.51	17.75
DISSOLVED OXYGEN (FIELD)	UG/L	T		4760	2250	8510	4050	7060	5950	9770	6400
PH (FIELD)	STD UNITS	T		7.29	7.15	7.58	7.35	7.74	7.16	7.7	7.43
REDOX (FIELD)	MV	T		-3	-4	24	12	30	8	20	7
SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	T		1.24	1.61	4.24	2.61	3.72	1.69	2.14	1.55
TEMPERATURE (FIELD)	DEGREES C	T		14.37	14.48	15.31	15.13	13.83	14.36	14.64	16.1
Volatile Organic Compounds											
1,1,1-TRICHLOROETHANE	UG/L	T	5	**0.3 J**	**0.1 J**	ND (0.1)	ND (0.1)	ND (0.1)	**0.1 J**	ND (0.1)	ND (0.1)
1,1,2,2-TETRACHLOROETHANE	UG/L	T	5	ND (0.1) UJ	ND (0.1) UJ	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
1,1,2-TRICHLOROETHANE	UG/L	T	1	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
1,1-DICHLOROETHANE	UG/L	T	5	**0.3 J**	**0.3 J**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**0.1 J**
1,1-DICHLOROETHENE	UG/L	T	5	ND (0.1)	**0.3 J**	**8.1**	ND (0.1)	ND (0.1)	**0.2 J**	**0.4 J**	ND (0.1)
1,2-DICHLOROBENZENE	UG/L	T	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2-DICHLOROETHANE	UG/L	T	0.6	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
1,2-DICHLOROPROPANE	UG/L	T	1	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
1,3-DICHLOROBENZENE	UG/L	T	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,4-DICHLOROBENZENE	UG/L	T	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2-BUTANONE	UG/L	T	50	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2-HEXANONE	UG/L	T	50	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2-PROPANOL	UG/L	T		ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50) UJ	ND (50)	ND (50)
4-METHYL-2-PENTANONE	UG/L	T		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
ACETONE	UG/L	T	50	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)
BENZENE	UG/L	T	1	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**0.1 J**	ND (0.1)	ND (0.1)	ND (0.1)
BROMODICHLOROMETHANE	UG/L	T	50	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
BROMOFORM	UG/L	T	50	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
BROMOMETHANE	UG/L	T	5	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
CARBON DISULFIDE	UG/L	T		ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)
CARBON TETRACHLORIDE	UG/L	T	5	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
CHLOROBENZENE	UG/L	T	5	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
CHLOROETHANE	UG/L	T	5	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
CHLOROFORM	UG/L	T	7	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
CHLOROMETHANE	UG/L	T	5	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	**0.3 J**	ND (0.2)
CIS-1,2-DICHLOROETHENE	UG/L	T	5	**1.4**	**0.3 J**	**290**	ND (0.1)	**0.2 J**	ND (0.1)	**9**	**0.5 J**
CIS-1,3-DICHLOROPROPENE	UG/L	T		ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
DIBROMOCHLOROMETHANE	UG/L	T	50	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
ETHANOL (BY DIRECT INJECTION)	UG/L	T		ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)
ETHYLBENZENE	UG/L	T	5	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
M+P-XYLENE	UG/L	T		ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**0.5**	ND (0.1)	**0.1 J**	ND (0.1)
METHANOL (BY DIRECT INJECTION)	UG/L	T		ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)
METHYLENE CHLORIDE	UG/L	T	5	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
N-BUTANOL	UG/L	T		ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)UJ	ND (100)	ND (100)
O-XYLENE	UG/L	T	5	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**0.3 J**	ND (0.1)	ND (0.1)	ND (0.1)
STYRENE	UG/L	T	5	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
TETRACHLOROETHENE	UG/L	T	5	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
TOLUENE	UG/L	T	5	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**0.4 J**	ND (0.1)	**0.2 J**	ND (0.1)
TRANS-1,2-DICHLOROETHENE	UG/L	T	5	ND (0.1)	ND (0.1)	**120**	ND (0.1)	ND (0.1)	ND (0.1)	**0.4 J**	ND (0.1)
TRANS-1,3-DICHLOROPROPENE	UG/L	T		ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
TRICHLOROETHENE	UG/L	T	5	ND (0.1)	**0.6**	**21**	ND (0.1)	ND (0.1)	**0.1 J**	ND (0.1)	ND (0.1)
VINYL CHLORIDE	UG/L	T	2	ND (0.1)	**0.3 J**	**24**	ND (0.1)	ND (0.1)	ND (0.1)	**10**	ND (0.1)

NOTES:

Screening Criteria = NYGWCLGA, 2002

Highlight = result exceeded criteria

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NQ= Compound detected at a level between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ). Result is not quantifiable.

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B = Not detected substantially above the level reported in the laboratory or field blanks.

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Table 4-13
First Round Groundwater Results
Remedial Investigation Report
DuPont 666 Driving Park Site

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	MW-01 9/16/08	MW-02 9/16/08	MW-03 9/16/08	MW-04 9/15/08	MW-05 9/17/08	MW-06 9/18/08	MW-07 9/16/08	MW-09 9/15/08
Field Parameters											
DEPTH TO WATER FROM TOC	Feet	T		13.87	18.39	21.66	21.83	23.31	20.79	20.51	17.75
DISSOLVED OXYGEN (FIELD)	UG/L	T		4760	2250	8510	4050	7060	5950	9770	6400
PH (FIELD)	STD UNITS	T		7.29	7.15	7.58	7.35	7.74	7.16	7.7	7.43
REDOX (FIELD)	MV	T		-3	-4	24	12	30	8	20	7
SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	T		1.24	1.61	4.24	2.61	3.72	1.69	2.14	1.55
TEMPERATURE (FIELD)	DEGREES C	T		14.37	14.48	15.31	15.13	13.83	14.36	14.64	16.1
Tentatively Identified Compounds											
CYCLIC OCTAATOMIC SULFUR	UG/L	T		**8 J**							
METHANE, DICHLOROFLUORO-	UG/L	T			**2 J**	**4 J**			**3 J**		
TRICHLOROMONOFLUOROMETHANE	UG/L	T							**2 J**		
PFOA											
APFO	UG/L	T		0.067	0.28	0.35	0.01	NQ (0.00090)	0.18	0.054	0.42 J
PFOA	UG/L	T		0.064	0.28	0.34	0.01	NQ (0.00090)	0.17	0.051	0.4 J
Semi-Volatile Organic Compounds											
1,2,4-TRICHLOROBENZENE	UG/L	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2,2-OXYBIS(1-CHLOROPROPANE)	UG/L	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2,4,5-TRICHLOROPHENOL	UG/L	T		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2,4,6-TRICHLOROPHENOL	UG/L	T		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2,4-DICHLOROPHENOL	UG/L	T	1	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2,4-DIMETHYLPHENOL	UG/L	T	1	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)
2,4-DINITROPHENOL	UG/L	T	1	ND (20)	ND (20)	ND (20)	ND (20)	ND (21)	ND (20)	ND (22)	ND (20)
2,4-DINITROTOLUENE	UG/L	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2,6-DINITROTOLUENE	UG/L	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2-CHLORONAPHTHALENE	UG/L	T	10	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
2-CHLOROPHENOL	UG/L	T		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2-METHYLNAPHTHALENE	UG/L	T		ND (0.01)	ND (0.01)	ND (0.01)	**0.021 J**	**0.027 J**	ND (0.01)	**0.032 J**	ND (0.01)
2-METHYLPHENOL	UG/L	T		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2-NITROANILINE	UG/L	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2-NITROPHENOL	UG/L	T		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
3,3-DICHLOROBENZIDINE	UG/L	T	5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
3-NITROANILINE	UG/L	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
4,6-DINITRO-2-METHYLPHENOL	UG/L	T		ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (6	ND (5)
4-BROMOPHENYL-PHENYLETHER	UG/L	T		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
4-CHLORO-3-METHYLPHENOL	UG/L	T		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
4-CHLOROANILINE	UG/L	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
4-CHLOROPHENYL-PHENYLETHER	UG/L	T		ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
4-METHYLPHENOL	UG/L	T		ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
4-NITROANILINE	UG/L	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
4-NITROPHENOL	UG/L	T		ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (11	ND (10)
ACENAPHTHENE	UG/L	T	20	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0097)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.01)
ACENAPHTHYLENE	UG/L	T		ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0097)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.01)
ANTHRACENE	UG/L	T	50	ND (0.01)	ND (0.01)	**0.06**	ND (0.0097)	ND (0.01)	**0.026 J**	**0.013 J**	**0.012 J**
BENZO(A)ANTHRACENE	UG/L	T	0.002	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0097)	**0.023 J**	ND (0.01)	ND (0.011)	ND (0.01)
BENZO(A)PYRENE	UG/L	T		ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0097)	**0.032 J**	ND (0.01)	ND (0.011)	ND (0.01)
BENZO(B)FLUORANTHENE	UG/L	T	0.002	ND (0.01)	ND (0.01)	**0.011 J**	ND (0.0097)	**0.071**	ND (0.01)	ND (0.011)	ND (0.01)
BENZO(G,H,I)PERYLENE	UG/L	T		ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0097)	**0.03 J**	ND (0.01)	ND (0.011)	ND (0.01)
BENZO(K)FLUORANTHENE	UG/L	T	0.002	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0097)	**0.023 J**	ND (0.01)	ND (0.011)	ND (0.01)
BIS(2-CHLOROETHOXY)METHANE	UG/L	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
BIS(2-CHLOROETHYL)ETHER	UG/L	T	1	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	5	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
BUTYLBENZYLPHTHALATE	UG/L	T	50	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
CARBAZOLE	UG/L	T		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
CHRYSENE	UG/L	T	0.002	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0097)	**0.073**	ND (0.01)	ND (0.011)	ND (0.01)
DIBENZ(A,H)ANTHRACENE	UG/L	T		ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0097)	ND (0.01)	ND (0.01)	ND (0.011)	ND (0.01)
DIBENZOFURAN	UG/L	T		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
DIETHYLPHTHALATE	UG/L	T	50	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
DIMETHYLPHTHALATE	UG/L	T	50	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)

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DuPont 666 Driving Park Site

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SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	T		1.24	1.61	4.24	2.61	3.72	1.69	2.14	1.55
TEMPERATURE (FIELD)	DEGREES C	T		14.37	14.48	15.31	15.13	13.83	14.36	14.64	16.1
Semi-Volatile Organic Compounds (continued)											
DI-N-BUTYLPHTHALATE	UG/L	T	50	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
DI-N-OCTYLPHTHALATE	UG/L	T	50	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
FLUORANTHENE	UG/L	T	50	ND (0.01)	ND (0.01)	**0.011 J**	ND (0.0097)	**0.11**	**0.012 J**	ND (0.011)	ND (0.01)
FLUORENE	UG/L	T	50	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0097)	**0.01 J**	ND (0.01)	**0.012 J**	ND (0.01)
HEXACHLOROBENZENE	UG/L	T	0.04	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
HEXACHLOROBUTADIENE	UG/L	T	0.5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
HEXACHLOROCYCLOPENTADIENE	UG/L	T	5	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (6	ND (5)
HEXACHLOROETHANE	UG/L	T	5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
INDENO(1,2,3-CD)PYRENE	UG/L	T	0.002	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0097)	**0.027 J**	ND (0.01)	ND (0.011)	ND (0.01)
ISOPHORONE	UG/L	T	50	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
NAPHTHALENE	UG/L	T	10	**0.012 B**	**0.027 B**	ND (0.01)	**0.011 B**	**0.014 B**	**0.011 B**	**0.018 B**	**0.019**
NITROBENZENE	UG/L	T	0.4	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
N-NITROSO-DI-N-PROPYLAMINE	UG/L	T		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
N-NITROSODIPHENYLAMINE	UG/L	T	50	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
PENTACHLOROPHENOL	UG/L	T	1	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)
PHENANTHRENE	UG/L	T	50	ND (0.01)	ND (0.01)	ND (0.01)	**0.014 J**	**0.085**	**0.012 J**	**0.014 J**	ND (0.01)
PHENOL	UG/L	T	1	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
PYRENE	UG/L	T	50	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.0097)	**0.07**	ND (0.01)	ND (0.011)	ND (0.01)
PCB-1016	UG/L	T		ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.098)	ND (0.1)	ND (0.1)
PCB-1221	UG/L	T	0.09	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.16)	ND (0.16)	ND (0.17)	ND (0.16)
PCB-1232	UG/L	T	0.09	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.098)	ND (0.1)	ND (0.1)
PCB-1242	UG/L	T		ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.098)	ND (0.1)	ND (0.1)
PCB-1248	UG/L	T		ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.098)	ND (0.1)	ND (0.1)
PCB-1254	UG/L	T	0.09	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.098)	ND (0.1)	ND (0.1)
PCB-1260	UG/L	T	0.09	ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.098)	ND (0.1)	ND (0.1)
PCB-1262	UG/L	T		ND (0.2)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.2)	ND (0.2)	ND (0.21)	ND (0.2)
PCB-1268	UG/L	T		ND (0.1)	ND (0.1)	ND (0.11)	ND (0.1)	ND (0.1)	ND (0.098)	ND (0.1)	ND (0.1)
ALDRIN	UG/L	T		ND (0.003)	ND (0.0031)	ND (0.0032)	ND (0.0029)	ND (0.003)	ND (0.0029)	ND (0.0031) UJ	ND (0.0032)
ALPHA BHC	UG/L	T	0.01	ND (0.0027)	ND (0.0028)	ND (0.0029)	ND (0.0026)	ND (0.0027)	ND (0.0026)	ND (0.0028) UJ	ND (0.0029)
ALPHA CHLORDANE	UG/L	T		ND (0.0047)	ND (0.0048)	ND (0.005)	ND (0.0046)	ND (0.0048)	ND (0.0046)	ND (0.0049) UJ	ND (0.005)
BETA BHC	UG/L	T	0.04	ND (0.0038) UJ	ND (0.0039) UJ	ND (0.0041)	ND (0.0037)	ND (0.0039) UJ	ND (0.0037)	ND (0.004) UJ	ND (0.0041)
DELTA BHC	UG/L	T	0.04	ND (0.003)	ND (0.0031)	ND (0.0032)	ND (0.0029)	ND (0.003)	ND (0.0029)	ND (0.0031) UJ	ND (0.0032)
DIELDRIN	UG/L	T	0.004	ND (0.004)	ND (0.0041)	ND (0.0043)	ND (0.0039)	ND (0.0041)	ND (0.0039)	ND (0.0042) UJ	ND (0.0043)
ENDOSULFAN I	UG/L	T		ND (0.003)	ND (0.0031)	ND (0.0032)	ND (0.0029)	ND (0.003)	ND (0.0029)	ND (0.0031) UJ	ND (0.0032)
ENDOSULFAN II	UG/L	T		ND (0.004)	ND (0.0041)	ND (0.0043)	ND (0.0039)	ND (0.0041)	ND (0.0039)	ND (0.0042) UJ	ND (0.0043)
ENDOSULFAN SULFATE	UG/L	T		ND (0.004)	ND (0.0041)	ND (0.0043)	ND (0.0039)	ND (0.0041)	ND (0.0039)	ND (0.0042) UJ	ND (0.0043)
ENDRIN	UG/L	T		ND (0.004)	ND (0.0041)	ND (0.0043)	ND (0.0039)	ND (0.0041)	ND (0.0039)	ND (0.0042) UJ	ND (0.0043)
ENDRIN ALDEHYDE	UG/L	T	5	ND (0.02)	ND (0.021)	ND (0.021) UJ	ND (0.019)	ND (0.02)	ND (0.02) UJ	ND (0.021) UJ	ND (0.021)
ENDRIN KETONE	UG/L	T	5	ND (0.004)	ND (0.0041)	ND (0.0043)	ND (0.0039)	ND (0.0041)	ND (0.0039)	ND (0.0042) UJ	ND (0.0043)
GAMMA BHC - LINDANE	UG/L	T	0.05	ND (0.0046)	ND (0.0047)	ND (0.0049)	ND (0.0045)	ND (0.0047)	ND (0.0045)	ND (0.0048) UJ	ND (0.0049)
GAMMA CHLORDANE	UG/L	T		ND (0.003)	ND (0.0031)	ND (0.0032)	ND (0.0029)	ND (0.003)	ND (0.0029)	ND (0.0031) UJ	ND (0.0032)
HEPTACHLOR	UG/L	T	0.04	ND (0.004) UJ	ND (0.0041) UJ	ND (0.0043)	ND (0.0039) UJ	ND (0.0041) UJ	ND (0.0039)	ND (0.0042) UJ	ND (0.0043) UJ
HEPTACHLOR EPOXIDE	UG/L	T	0.03	ND (0.0037)	ND (0.0038)	ND (0.004)	ND (0.0036)	ND (0.0038)	ND (0.0036)	ND (0.0039) UJ	ND (0.004)
METHOXYCHLOR	UG/L	T	35	ND (0.03) UJ	ND (0.031) UJ	ND (0.032) UJ	ND (0.029)	ND (0.03) UJ	ND (0.029) UJ	ND (0.031) UJ	ND (0.032)
P,P-DDD	UG/L	T	0.3	ND (0.004) UJ	ND (0.0041) UJ	ND (0.0043)	ND (0.0039)	ND (0.0041) UJ	ND (0.0039)	ND (0.0042) UJ	ND (0.0043)
P,P-DDE	UG/L	T	0.2	ND (0.004)	ND (0.0041)	ND (0.0043)	ND (0.0039)	ND (0.0041)	ND (0.0039)	ND (0.0042) UJ	ND (0.0043)
P,P-DDT	UG/L	T	0.2	ND (0.006) UJ	ND (0.0062) UJ	ND (0.0064) UJ	ND (0.0058	ND (0.0061) UJ	ND (0.0059 UJ	ND (0.0063) UJ	ND (0.0064)
TOXAPHENE	UG/L	T	0.06	ND (1) UJ	ND (1) UJ	ND (1.1) UJ	ND (0.97 UJ	ND (1) UJ	ND (0.98 UJ	ND (1) UJ	ND (1.1) UJ

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UJ = Not detected. Reporting limit may not be accurate or precise.

R = Unusable result. Analyte may or may not be present in the sample.

Table 4-13
First Round Groundwater Results
Remedial Investigation Report
DuPont 666 Driving Park Site

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	MW-01 9/16/08	MW-02 9/16/08	MW-03 9/16/08	MW-04 9/15/08	MW-05 9/17/08	MW-06 9/18/08	MW-07 9/16/08	MW-09 9/15/08
Field Parameters											
DEPTH TO WATER FROM TOC	Feet	T		13.87	18.39	21.66	21.83	23.31	20.79	20.51	17.75
DISSOLVED OXYGEN (FIELD)	UG/L	T		4760	2250	8510	4050	7060	5950	9770	6400
PH (FIELD)	STD UNITS	T		7.29	7.15	7.58	7.35	7.74	7.16	7.7	7.43
REDOX (FIELD)	MV	T		-3	-4	24	12	30	8	20	7
SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	T		1.24	1.61	4.24	2.61	3.72	1.69	2.14	1.55
TEMPERATURE (FIELD)	DEGREES C	T		14.37	14.48	15.31	15.13	13.83	14.36	14.64	16.1
Metals											
ALUMINUM	UG/L	D		ND (80.2)	ND (80.2)	ND (80.2)	ND (80.2)	ND (80.2)	ND (80.2)	ND (80.2)	ND (80.2)
ALUMINUM	UG/L	T		ND (80.2)	**479**	**216**	ND (80.2)	**17800**	ND (80.2)	**1250**	ND (80.2)
ANTIMONY	UG/L	D	3	ND (0.3)	ND (0.3)	ND (0.3)	**0.99 J**	ND (0.3)	**0.75 J**	ND (0.3)	ND (0.3)
ANTIMONY	UG/L	T	3	ND (0.3)	ND (0.3)	**0.59 J**	ND (0.3) UJ	ND (0.3)	**0.72 J**	ND (0.3)	ND (0.3)
ARSENIC	UG/L	D	25	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)
ARSENIC	UG/L	T	25	ND (0.95)	ND (0.95)	**1.1 J**	ND (0.95)	**9.2**	ND (0.95)	ND (0.95)	ND (0.95)
BARIUM	UG/L	D	1000	**50.9**	**18.8**	**27.2**	**31.4**	**19.8**	**24.9**	**23.3**	**23**
BARIUM	UG/L	T	1000	**58.9**	**23.7**	**37.3**	**36.6**	**63.7**	**27.5**	**31.9**	**23.9**
BERYLLIUM	UG/L	D	3	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)
BERYLLIUM	UG/L	T	3	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	**1.1**	ND (0.13)	ND (0.13)	ND (0.13)
CADMIUM	UG/L	D	5	ND (0.21) UJ	ND (0.21) UJ	ND (0.21)	ND (0.21) UJ	ND (0.21) UJ	ND (0.21) UJ	ND (0.21) UJ	ND (0.21) UJ
CADMIUM	UG/L	T	5	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	**0.34 J**	ND (0.21)	ND (0.21)	ND (0.21)
CALCIUM	UG/L	D		**108000**	**131000**	**281000**	**131000**	**129000**	**115000**	**71900**	**128000**
CALCIUM	UG/L	T		**109000**	**143000**	**286000**	**132000**	**434000**	**115000**	**81300**	**141000**
CHROMIUM	UG/L	D	50	ND (0.68)	ND (0.68)	ND (0.68) UJ	ND (0.68)	ND (0.68)	ND (0.68)	ND (0.68)	ND (0.68)
CHROMIUM	UG/L	T	50	ND (0.68)	**1.5 J**	**16.1**	ND (0.68)	**18.5**	ND (0.68)	**12.6**	ND (0.68)
COBALT	UG/L	D		ND (2.1)	ND (2.1)	**3.1 J**	ND (2.1)	**3.1 J**	ND (2.1)	**2.9 J**	ND (2.1)
COBALT	UG/L	T		ND (2.1)	ND (2.1)	**4.1 J**	ND (2.1)	**10.7 J**	ND (2.1)	**4 J**	ND (2.1)
COPPER	UG/L	D	200	ND (0.38)	ND (0.38)	**1.5 J**	ND (0.38)	ND (0.38)	**0.95 J**	**1.3 J**	**0.53 J**
COPPER	UG/L	T	200	ND (0.38)	**0.7 J**	**4**	ND (0.38)	**12.4**	**0.96 J**	**2.4**	**0.56 J**
IRON	UG/L	D	300	**501**	**139 J**	ND (52.2)	**392**	ND (52.2)	ND (52.2)	ND (52.2)	ND (52.2)
IRON	UG/L	T	300	**4620**	**898**	**1010**	**461**	**20300**	**115 J**	**1290**	ND (52.2)
LEAD	UG/L	D	25	**0.056 J**	**0.31 J**	**0.13 J**	**0.34 J**	ND (0.05)	**0.34 J**	**0.17 J**	**0.44 J**
LEAD	UG/L	T	25	**0.15 J**	**1**	**1.7**	**0.53 J**	**22.2**	**0.65 J**	**2.4**	**0.35 J**
MAGNESIUM	UG/L	D	35000	**35900**	**58400**	**89400**	**71200**	**76900**	**34700**	**27500**	**42400**
MAGNESIUM	UG/L	T	35000	**36700**	**61300**	**101000**	**72200**	**112000**	**34800**	**32800**	**44500**
MANGANESE	UG/L	D	300	**70.5**	**12**	**18.3**	**10.4**	**75.6**	**12.9**	**8.8**	**7.71**
MANGANESE	UG/L	T	300	**90.6**	**24.8**	**27.5**	**12.2**	**574**	**16.4**	**27**	**9.7**
MERCURY	UG/L	D	0.7	ND (0.56) UJ	ND (0.56) UJ	ND (0.56) UJ	ND (0.56) UJ	ND (0.56)	ND (0.56) UJ	ND (0.56) UJ	ND (0.56) UJ
MERCURY	UG/L	T	0.7	ND (0.56) UJ	ND (0.56) UJ	ND (0.56) UJ	ND (0.56) UJ	ND (0.56)	ND (0.56) UJ	ND (0.56) UJ	ND (0.56) UJ
NICKEL	UG/L	D	100	**2.8 B**	**1.6 B**	**19.8**	**3.1**	**6.7**	**2.3 B**	**14.2**	**2.8 B**
NICKEL	UG/L	T	100	**3.1**	**2.5**	**21.7**	**3.1**	**25**	**2.5**	**17.5**	**2.3**
POTASSIUM	UG/L	D		**8720 R**	**24000 J**	**39700 J**	**33500 R**	**51200 J**	**21300 R**	**19800 J**	**13300 R**
POTASSIUM	UG/L	T		**5730 R**	**17300 J**	**29100 J**	**21400 R**	**46600**	**13400 R**	**14100 J**	**7620 R**
SELENIUM	UG/L	D	10	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	**0.36 J**	ND (0.3)	**2.8**
SELENIUM	UG/L	T	10	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	**0.36 J**	ND (0.3)	ND (0.3)	**3.4**
SILVER	UG/L	D	50	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)
SILVER	UG/L	T	50	ND (0.37) UJ	ND (0.37) UJ	ND (0.37) UJ	ND (0.37) UJ	**0.41 J**	ND (0.37) UJ	ND (0.37) UJ	**0.059 J**
SODIUM	UG/L	D	20000	**137000**	**166000**	**227000**	**391000**	**653000**	**255000**	**279000**	**154000 J**
SODIUM	UG/L	T	20000	**134000**	**170000**	**263000**	**387000**	**771000**	**258000**	**293000**	**118000 J**
THALLIUM	UG/L	D	0.5	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)
THALLIUM	UG/L	T	0.5	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)
VANADIUM	UG/L	D		ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
VANADIUM	UG/L	T		ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	**20**	ND (2.5)	ND (2.5)	ND (2.5)
ZINC	UG/L	D	2000	ND (8.1)	ND (8.1)	**8.4 J**	ND (8.1)	ND (8.1)	ND (8.1)	ND (8.1)	ND (8.1)
ZINC	UG/L	T	2000	ND (8.1)	ND (8.1)	ND (8.1)	ND (8.1)	**19.2 J**	ND (8.1)	ND (8.1)	ND (8.1)

NOTES:

Screening Criteria = NYGWCLGA, 2002

Highlight = result exceeded criteria

Bold = result detected above MDL

ND = Non detect at stated reporting limit

NQ= Compound detected at a level between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ). Result is not quantifiable.

J = Analyte present, reported value may not be accurate

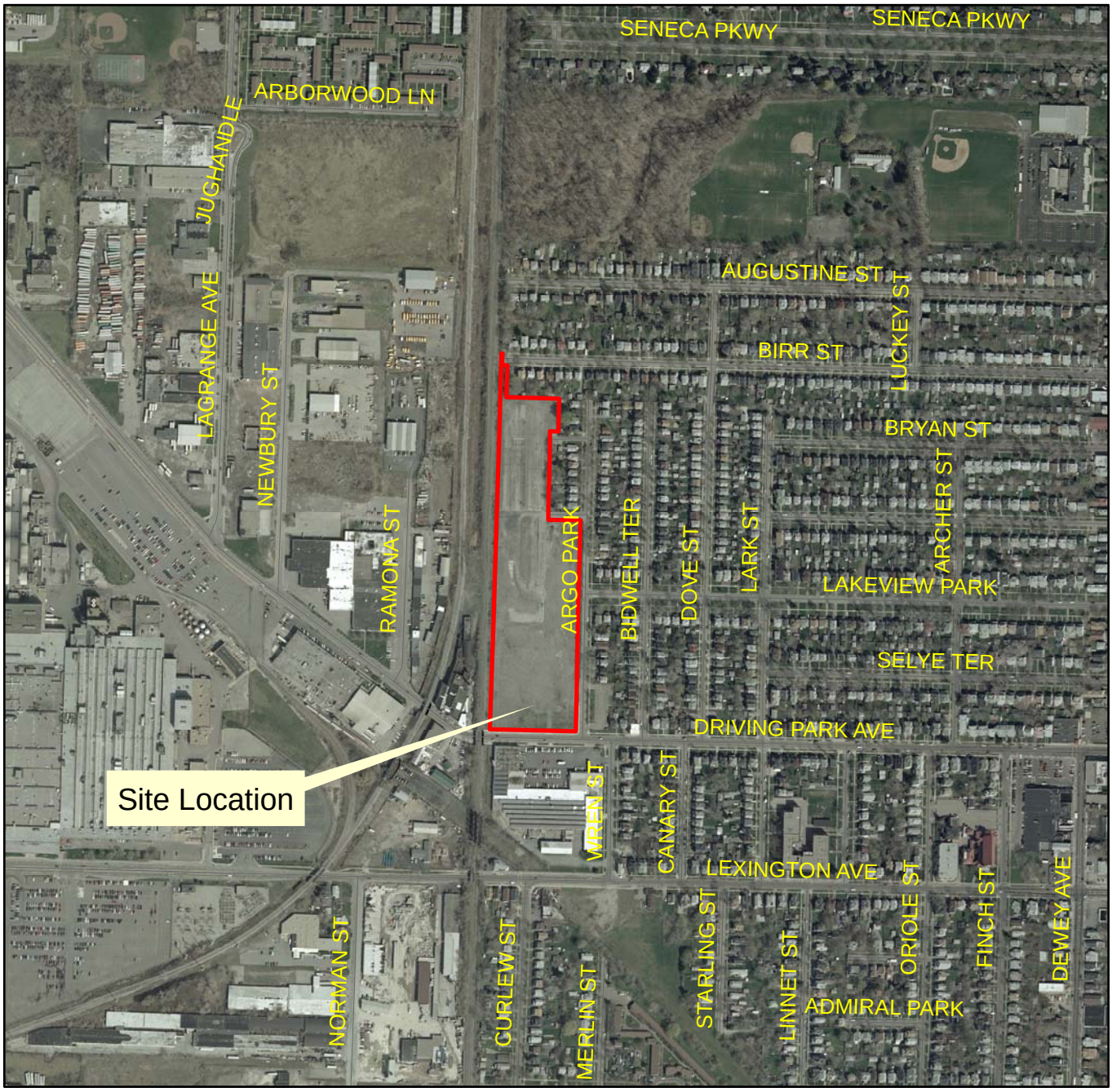
B = Not detected substantially above the level reported in the laboratory or field blanks.

UJ = Not detected. Reporting limit may not be accurate or precise.

R = Unusable result. Analyte may or may not be present in the sample.

FIGURES

Figure 2-1
DuPont Site - 666 Driving Park Avenue
Rochester, New York



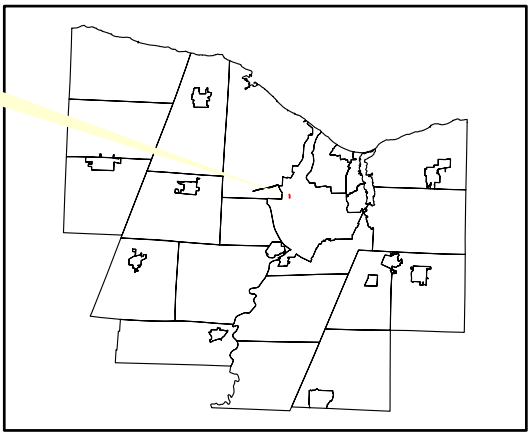
Monroe County 2002 Orthoimagery

N
W E
S

0 250 500 1,000 1,500 2,000
Feet

Monroe County, New York

Site Location



LEGEND:

- 501 — CONTOUR (1.0' INTERVAL)
- CONTOUR (0.25' INTERVAL)
- WLP — WOODEN LIGHT POLE
- MLP — METAL LIGHT POLE
- FLP — FIBERGLASS LIGHT POLE
- WUP — WOODEN UTILITY POLE
- SHRUB
- SHRUBROW
- DECIDUOUS TREE & SIZE
- DECIDUOUS TREE LINE
- CB — RECTANGULAR CATCH BASIN
- CB — ROUND CATCH BASIN
- HYDRANT
- WV — WATER VALVE
- METER — WATER METER
- SEWER MANHOLE
- TELEPHONE MANHOLE
- ELECTRIC HANDHOLE
- CITY HANDHOLE
- COUNTY HANDHOLE
- MONIT. WELL — MONITORING WELL
- HANDICAP RAMP
- CHAIN LINK FENCE
- RAILROAD TRACK
- SCARP
- DISCHARGE SEWER LINE
- FORMER BUILDING LOCATION
- FORMER PROCESS WASTE WATER TRENCH
- FORMER SUMP APPROXIMATE LOCATION
- AREA OF POTENITAL SOIL REMOVAL BASED ON TARGET METAL CONCENTRATIONS
- D-3A — PREVIOUS BORING LOCATION A = FILL B = NATIVE SOILS
- MONITORING WELL LOCATIONS

BIRR STREET
FALCON STREET
ARGO PARK
GUNNISON STREET
LAKE VIEW PARK
DRIVING PARK AVENUE
PAVED AREA
FUEL OIL STORAGE
NON-HAZARDOUS WASTE STORAGE AREA #2
NON-HAZARDOUS WASTE STORAGE AREA #3
DISCHARGE SEWER LINE (LOCATION APPROXIMATE)
AREA 2
AREA 3
AREA 4
AREA 6
AREA 7
AREA 8
BLDG 01
BLDG 02
BLDG 03
BLDG 04
BLDG 05
BLDG 06
BLDG 08
BLDG 09
BLDG 30
BLDG 35
BLDG 36
BLDG 38
BLDG 40
BLDG 42
BLDG 44
BLDG 65
BLDG 79
BLDG 80
MW-1

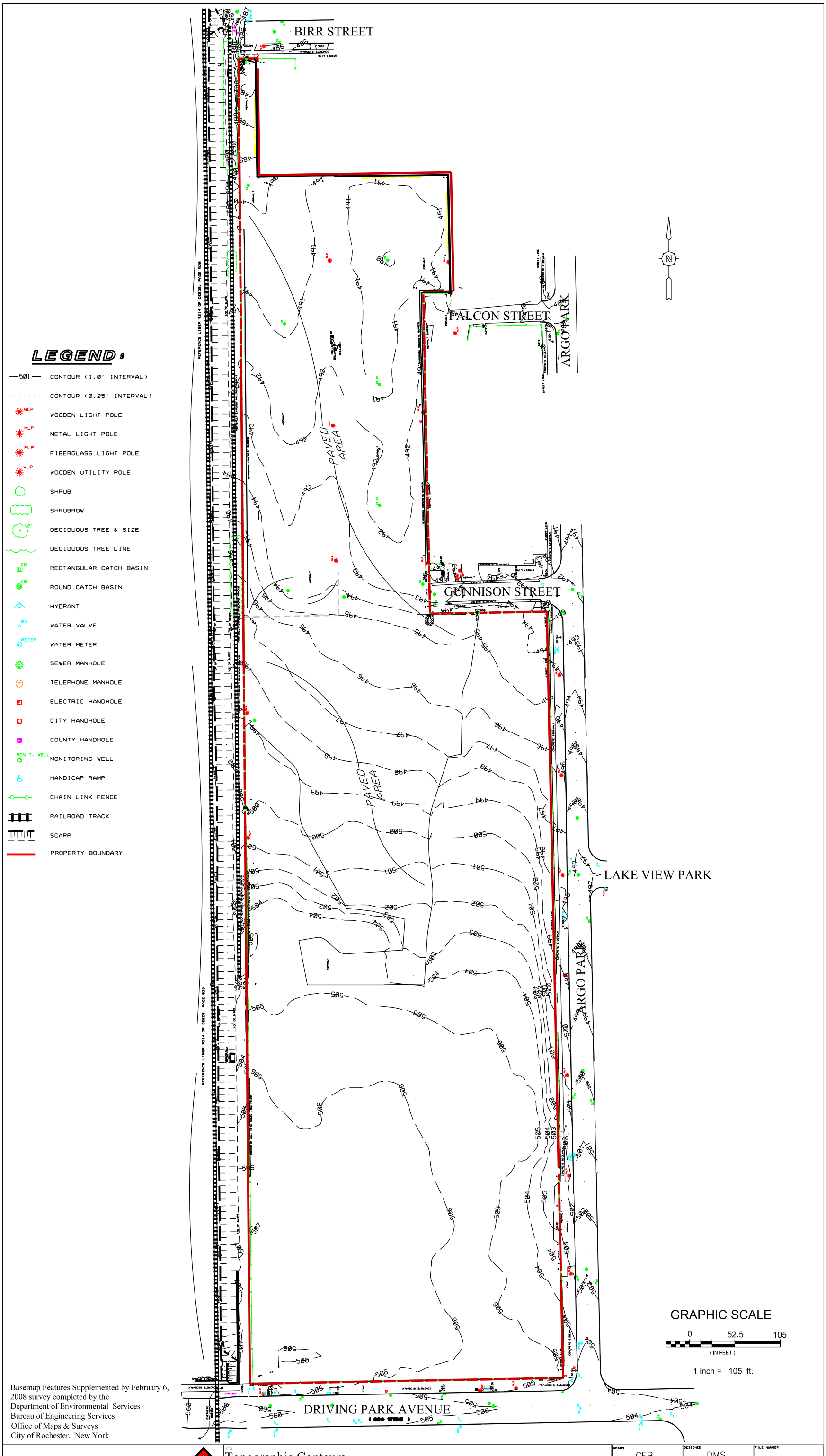
GRAPHIC SCALE
0 52.5 105
(IN FEET)
1 inch = 105 ft.

Basemap Features Supplemented by February 6, 2008 survey completed by the
Department of Environmental Services
Bureau of Engineering Services
Office of Maps & Surveys
City of Rochester, New York

DUPONT CORPORATE REMEDIAITON GROUP
An Alliance bewteen DuPont and URS Diamond
Buffalo Ave and 26th Street
Niagara Falls, NY 14302

TITLE
Historic Site Investigation Sampling Locations
Remedial Investigation - 2008
DuPont Rochester Driving Park Site, Rochester, NY

DRAWN	DESIGNED	FILE NUMBER
GEB	DMS	Figure2-2.dgn
CHECKED	APPROVED	FIGURE NO
DMS	PFM	Fig2-2
DATE	REVISION	
2/2/09	0	



Basemap Features Supplemented by February 6, 2008 survey completed by the
Department of Environmental Services
Bureau of Engineering Services
Office of Maps & Surveys
City of Rochester, New York

DUPONT CORPORATE REMEDIAITON GROUP
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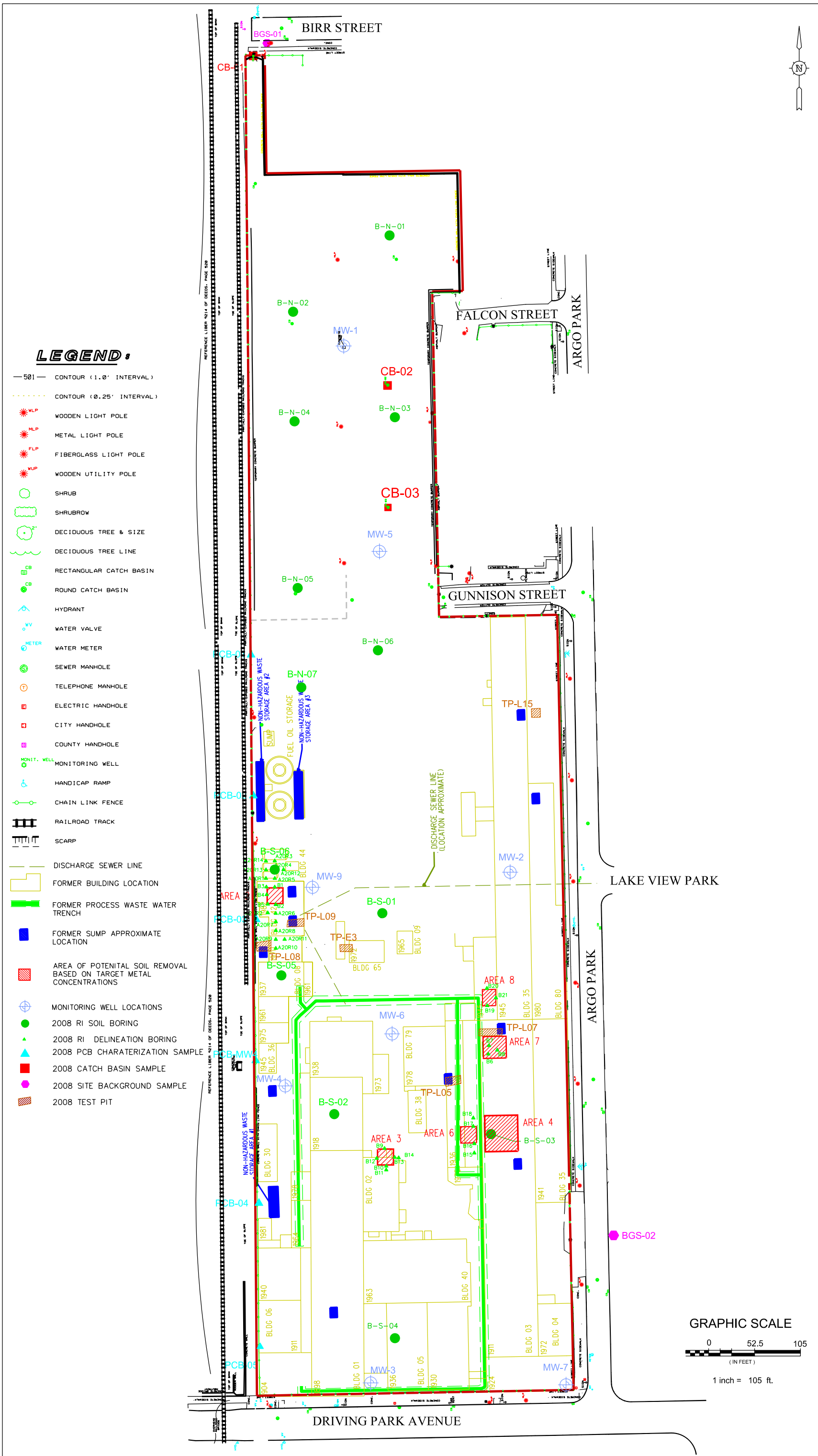
Buffalo Ave and 26th Street
Niagara Falls, NY 14302

TITLE
Topographic Contours
Remedial Investigation - 2008
DuPont Rochester Driving Park Site, Rochester, NY

DRAWN	DESIGNED	FILE NUMBER
GEB	DMS	Figre2-3.dgn
CHECKED	APPROVED	FIGURE NO
DMS	PFM	Fig2-3
DATE	REVISION	
2/2/09	0	



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Buffalo Ave and 26th Street
Niagara Falls, NY 14302

TITLE
RI Sampling Locations
Remedial Investigation - 2008
DuPont Rochester Driving Park Site, Rochester, NY

DRAWN	DESIGNED	FILE NUMBER
GEB	DMS	Figure4-1.dgn
CHECKED	APPROVED	FIGURE NO
DMS	PFM	Fig-4-1
DATE	REVISION	
2/2/09	0	

A'

A

GROUND SURFACE

B-N-01 | SB-10 | MW-1 | B-N-03 | RMP-13 | MW-5 | RMP-12 | B-N-06 | SB-05 | SB-04 | F-3A | MW-6 | G-3 | H-3 | I-3 | J-3 | L-3 | B-S-04 | M-3 | MW-3

FILL

FILL

NATIVE SOIL

NATIVE SOIL

BEDROCK

BEDROCK

BEDROCK

15' B.G.S.

15' B.G.S.

15' B.G.S.

21' B.G.S.

25' B.G.S.

25' B.G.S.

25' B.G.S.

31' B.G.S.

FEET

0 | 5 | 10 | 15 | 20 | 25 | 30

0 | 1+00 | 2+00 | 3+00 | 4+00 | 5+00 | 6+00 | 7+00 | 8+00 | 9+00 | 10+00 | 11+00 | 12+00 | 13+00

FEET

LEGEND

FILL

NATIVE SOIL

BEDROCK

SB-10 SOIL BORING

MONITORING WELL OPEN ROCK HOLE

CROSS SECTION A'-A

25X VERTICAL EXAGGERATION

Horizontal Scale

100 0 100'

Vertical Scale

4' 0 4'

DESIGNED	INITIALS
D. M. Sheldon	
DRAWN	
G. E. Britt	
CHECKED	
D. A. Sheldon	
APPROVED(DESIGN)	
P. F. Mazierski	
APPROVED(CONSTRUCTION)	

DUPONT

Corporate Remediation Group

An Alliance between DuPont and URS Diamond

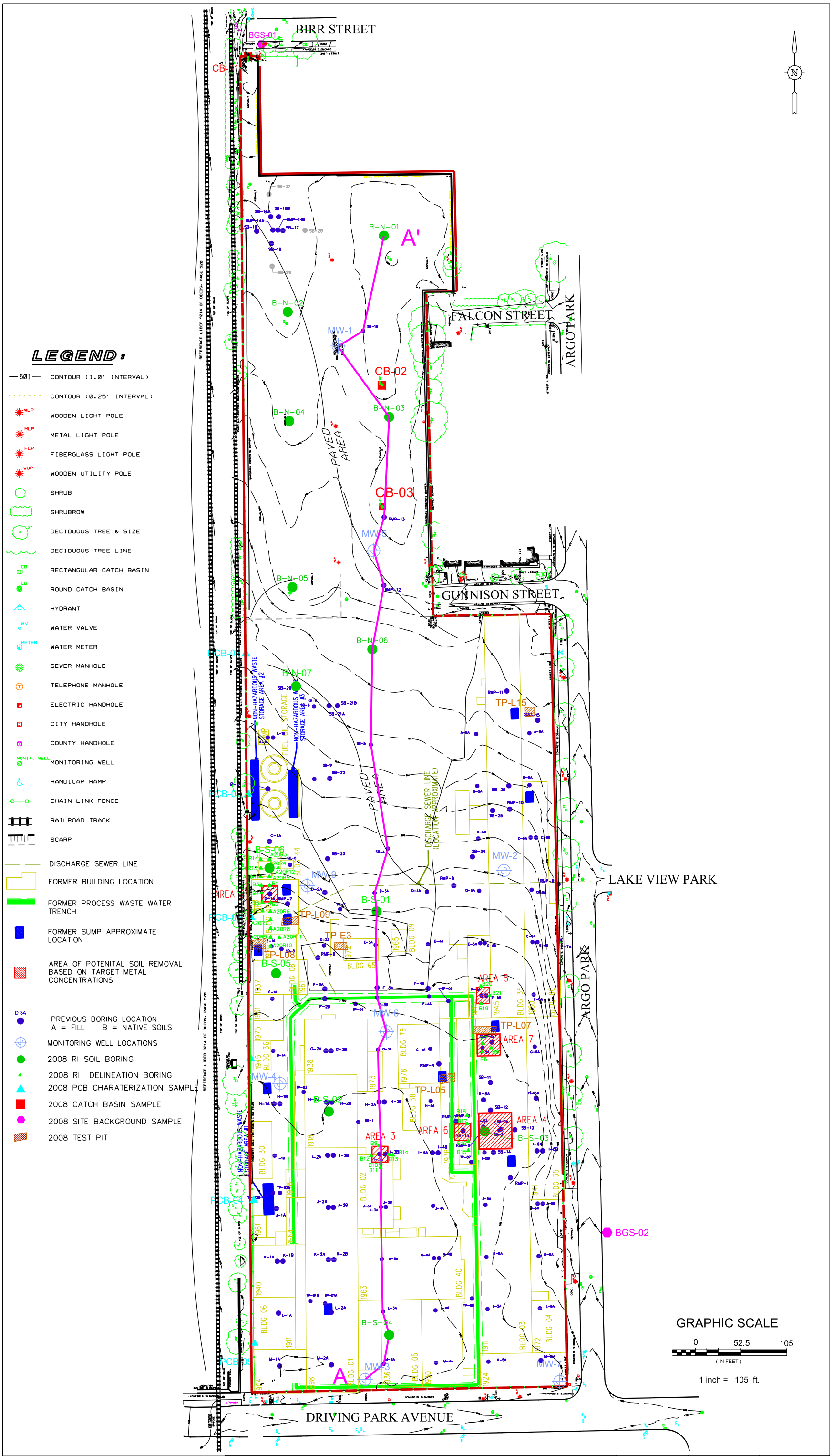
Barley Mill Plaza, Building 19
Wilmington, Delaware 19805

GEOLOGIC CROSS-SECTION A'-A

Remedial Investigation
DuPont Rochester Driving Park Site
Rochester, New York

SCALE	DATE	CAD FILE NO.	FIGURE
As Shown	2/11/09	Figure 4-2	4-2

P:\Gary Britt\Figure4-2.dwg, Layout1, 2/12/2009 4:42:51 PM



DUPONT CORPORATE REMEDIAITON GROUP
An Alliance bewteen DuPont and URS Diamond
Buffalo Ave and 26th Street
Niagara Falls, NY 14302

TITLE
Geologic Cross Section Location
Remedial Investigation
DuPont Rochester Driving Park Site, Rochester, NY

DRAWN	DESIGNED	FILE NUMBER
GEB	DMS	Figure4-3.dgn
CHECKED	APPROVED	FIGURE NO
DMS	PFM	Fig-4-3
DATE	REVISION	
2/2/09	0	

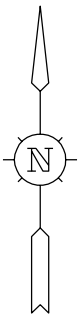
NOTES

1. SEE FIGURE 4-1 FOR AREA 2 LOCATION
2. SEE TABLE 4-8 FOR ANALYTICAL RESULTS

Analytical Data Legend

		Location	A20R8	A20R3
		Top (ft)	0	2
		Bottom (ft)	2	4
LabAnalyte	Units	Duplicate	FS	FS
CADMIUM	mg/kg		**37.3**	0.553 J
SILVER	mg/kg		**1100**	0.615

Notes:
Bold/Yellow - Analytical Result Exceeds Screening Criteria
All Analytical Results in mg/kg
FS = Field Sample
DUP = Duplicate Field Sample Result
Cadmium Screening Criteria = 4.3 mg/kg
Silver Screening Criteria = 180 mg/kg



C-1A	C-1A
3	7
4	8
FS	FS
0.36	0.36
1.4J	1.4 J

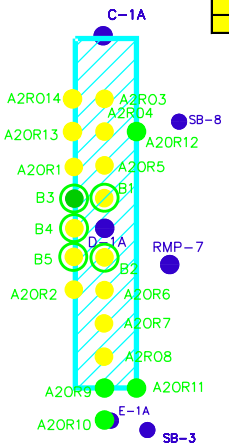
A20R3	A20R3
0	2
2	4
FS	FS
3.65	.553 J
103	0.615

A20R4	A20R4
0	2
2	4
FS	FS
5.59	0.917
185	0.648

A20R12
0
2
FS
3.16
136

SB-8	SB-8
2	0
4	2
FS	FS
0.57	0.6
1.7	8.5

A2R14
0
2
FS
82
940



A20R5	A20R5	A20R5
0	0	2
2	2	3
DUP	FS	FS
7.57	**9.47**	1.3
276 J	**466 J**	40.8 J

A20R1	A20R1
0	2
2	4
FS	FS
45.7	<.179
481 J	7.65 J

A20R13	A20R13
0	0
2	2
FS	DUP
1.88	**6.1**
53.7	**248**

B1	B1
0	2
2	4
FS	FS
11.3 J	1.17 J
352	40.9

B2	B2	B2
0	2	5
2	4	7
FS	FS	FS
6.89 J	1.02 J	**7.81 J**
376	10.8	**40.7**

B4	B4	B4	B4
0	2	4	6
2	4	6	7
FS	FS	FS	FS
22.3 J	**26.3 J**	1.95 J	.264 J
919	**1100**	62.5	9.1

D-1A	D-1A
1	6.5
6	7.5
FS	FS
213	**1590**
317 J	**408**

A20R6	A20R6	A20R6
0	2	4
2	3.5	6
FS	FS	FS
4.12	**28.7**	**4.62**
203 J	**393 J**	**185**

RMP-7
5
7
FS
1.69
59.7

B5	B5	B5
0	2	4
2	4	6
FS	FS	FS
27.9 J	<.163 R	<.162 R
726	0.944	3.15

A20R7
0
2
FS
7.61
286

A2R08	A2R08	A2R08
0	2	4
2	4	6
FS	FS	FS
37.3	**38.5**	**25**
1100	**324**	**581**

A20R2	A20R2	A20R2	A20R2
0	2	3	3
2	3	5	5
FS	FS	FS	DUP
8.11	**21.2**	3.66	2.29
242 J	**447 J**	132	81

A20R9	A20R9	A20R9
0	2	4
2	4	6
FS	FS	FS
.156J	1.41	<.169
2.67	55.2	1.46

A20R11	A20R11	A20R11
0	2	4
2	4	6
FS	FS	FS
.288J	<.146	.435J
5.72	3.33	1.65

E-1A
6.5
7.7
FS
<0.099
<.110

SB-3	SB-3
0	2
2	4
FS	FS
0.58	0.82
10.8	1.1

TP-07 PREVIOUS BORING OR TEST PIT SAMPLE

2008 BORING ANALYTICAL RESULTS BELOW SCREENING CRITERIA

2008 BORING ANALYTICAL RESULTS ABOVE SCREENING CRITERIA

2008 INNER BORING

0 20 40 60FEET
SCALE

DUPONT CORPORATE REMEDIAITON GROUP
An Alliance bewteen DuPont and URS Diamond
Buffalo Ave and 26th Street
Niagara Falls, NY 14302

Area 2 Soil Results
Cadmium and Silver Results
DuPont 666 Driving Park Site, Rochester, NY

DRAWN	DESIGNED	FILE NUMBER
GEB	DMS	Areas-2-8.dgn
CHECKED	APPROVED	FIGURE NO
DMS	PFM	Fig4-4
DATE	REVISION	
2/2/09	0	

NOTES

1. SEE FIGURE 4-1 FOR AREA 3 LOCATION

2. SEE TABLE 4-8 FOR ANALYTICAL RESULTS

Analytical Data Legend

		Location	B10	A20R3
		Top (ft)	0	2
		Bottom (ft)	2	4
LabAnalyte	Units	Duplicate	FS	FS
CADMIUM	mg/kg		**37.3**	0.553 J

Notes:
Bold/Yellow - Analytical Result Exceeds Screening Criteria
All Analytical Results in mg/kg
FS = Field Sample
DUP = Duplicate Field Sample Result
Cadmium Screening Criteria = 4.3 mg/kg

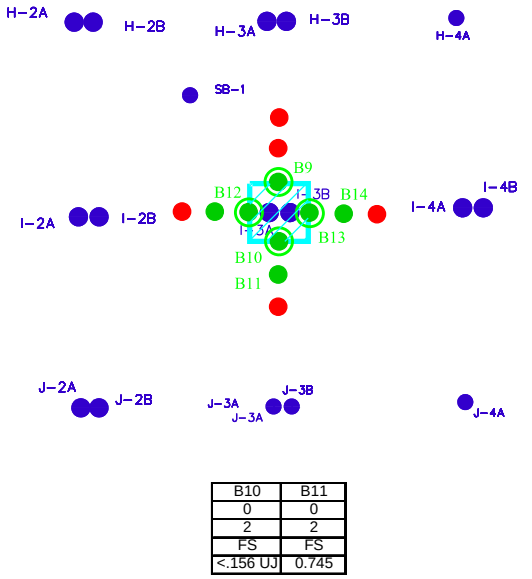
B9	B9	B9	B9
0	2	4	6
2	4	6	7
FS	FS	FS	FS
.827 J	<.182 UJ	<.162 UJ	<.166 UJ

I3-B	I3-B
0.5	3.5
3.5	6.8
FS	FS
136	**8.69**

B12	B12	B12	B12	B12
0	2	4	6	6
2	4	6	7	7
FS	FS	FS	DUP	FS
3.81 J	1.74 J	.220 J	<.146 UJ	<.142 UJ

B13	B13	B14	B14	B14	B14
0	2	0	2	4	6
2	4	2	4	6	7
FS	FS	FS	FS	FS	FS
2.22	<.165	<.147	<.187	<.169	<.149

B10	B11
0	0
2	2
FS	FS
<.156 UJ	0.745



DELINEATION BORING NOT REQUIRED

TP-07 PREVIOUS BORING OR TEST PIT SAMPLE

2008 BORING ANALYTICAL RESULTS BELOW SCREENING CRITERIA

2008 BORING ANALYTICAL RESULTS ABOVE SCREENING CRITERIA

2008 INNER BORING

0 20 40 60 FEET
SCALE

DUPONT CORPORATE REMEDIAITON GROUP
An Alliance bewteen DuPont and URS Diamond
Buffalo Ave and 26th Street
Niagara Falls, NY 14302

Area 3 Soil Results
Cadmium Results
DuPont 666 Driving Park Site, Rochester, NY

DRAWN	DESIGNED	FILE NUMBER
GEB	DMS	Areas-2-8.dgn
CHECKED	APPROVED	FIGURE NO
DMS	PFM	Fig4-5
DATE	REVISION	
2/2/09	0	

NOTES

1. SEE FIGURE 4-1 FOR AREA 6 LOCATION
2. SEE TABLE 4-8 FOR ANALYTICAL RESULTS

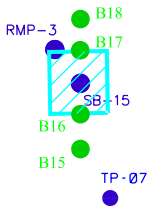
Analytical Data Legend

		Location	B10	A20R3
		Top (ft)	0	2
		Bottom (ft)	2	4
Lab Analyte	Units	Duplicate	FS	FS
CADMIUM	mg/kg		**37.3**	0.553 J

Notes:
Bold/Yellow - Analytical Result Exceeds Screening Criteria
All Analytical Results in mg/kg
FS = Field Sample
DUP = Duplicate Field Sample Result
Cadmium Screening Criteria = 4.3 mg/kg

B18	B18
0	3
3	5
FS	FS
.950 J	1.06 J

B17	B17
0	3
3	5
FS	FS
1.35 J	3.11 J



SB-15
0.5
4
FS
11

B16	B16	B16
0	0	3
3	3	5
DUP	FS	FS
<.145 UJ	<.146 UJ	<.160 UJ

B15	B15
0	3
3	5
FS	FS
.230 J	<.164 UJ

DELINEATION BORING NOT REQUIRED

TP-07 PREVIOUS BORING OR TEST PIT SAMPLE

2008 BORING ANALYTICAL RESULTS BELOW SCREENING CRITERIA

2008 BORING ANALYTICAL RESULTS ABOVE SCREENING CRITERIA

2008 INNER BORING

0 20 40 60 FEET
SCALE

DUPONT CORPORATE REMEDIAITON GROUP
An Alliance bewteen DuPont and URS Diamond
Buffalo Ave and 26th Street
Niagara Falls, NY 14302

Area 6 Soil Results
Cadmium Results
DuPont 666 Driving Park Site, Rochester, NY

DRAWN	DESIGNED	FILE NUMBER
GEB	DMS	Areas-2-8.dgn
CHECKED	APPROVED	FIGURE NO
DMS	PFM	Fig4-6
DATE	REVISION	
2/2/09	0	

NOTES

1. SEE FIGURE 4-1 FOR AREA 7 LOCATION
2. SEE TABLE 4-8 FOR ANALYTICAL RESULTS

Analytical Data Legend

		Location	B10	A20R3
		Top (ft)	0	2
		Bottom (ft)	2	4
LabAnalyte	Units	Duplicate	FS	FS
CADMIUM	mg/kg		**37.3**	0.553 J

Notes:
Bold/Yellow - Analytical Result Exceeds Screening Criteria
All Analytical Results in mg/kg
FS = Field Sample
DUP = Duplicate Field Sample Result
Cadmium Screening Criteria = 4.3 mg/kg

B7	B7	B7	B7
0	2	4	4
2	4	6	6
FS	FS	DUP	FS
0.843	1.09	.326 J	.505 J

F-5A
F-5B
F-6A

RMP-5	G5-A	G5-A
4	0.5	6.2
6	6	6.9
FS	FS	FS
5.3	**11.9**	<0.098

B-7
RMP-5
B-8
G-5A
B-6
G-6A

B8	B8	B8	B8
0	2	4	4
2	4	6	6
FS	FS	DUP	FS
5.27	0.945	.381 J	0.761

SB-11

B6	B6	B6
0	2	4
2	4	6
FS	FS	FS
2.86	0.815	0.647

DELINEATION BORING NOT REQUIRED

TP-07

PREVIOUS BORING OR TEST PIT SAMPLE

2008 BORING ANALYTICAL RESULTS BELOW SCREENING CRITERIA

2008 BORING ANALYTICAL RESULTS ABOVE SCREENING CRITERIA

2008 INNER BORING

0 20 40 60FEET
SCALE

DUPONT CORPORATE REMEDIAITON GROUP
An Alliance bewteen DuPont and URS Diamond
Buffalo Ave and 26th Street
Niagara Falls, NY 14302

Area 7 Soil Results
Cadmium Results
DuPont 666 Driving Park Site, Rochester, NY

DRAWN	DESIGNED	FILE NUMBER
GEB	DMS	Areas-2-8.dgn
CHECKED	APPROVED	FIGURE NO
DMS	PFM	Fig4-7
DATE	REVISION	
2/2/09	0	

NOTES

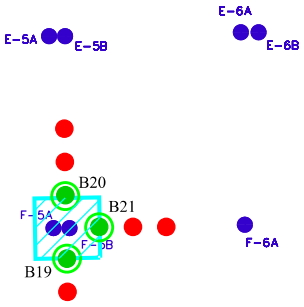
1. SEE FIGURE 4-1 FOR AREA 8 LOCATION
2. SEE TABLE 4-8 FOR ANALYTICAL RESULTS

Analytical Data Legend

		Location	B10	A20R3
		Top (ft)	0	2
		Bottom (ft)	2	4
LabAnalyte	Units	Duplicate	FS	FS
SILVER	mg/kg		680.3	0.553 J

Notes:
Bold/Yellow - Analytical Result Exceeds Screening Criteria
All Analytical Results in UG/KG
FS = Field Sample
DUP = Duplicate Field Sample Result
Silver Screening Criteria = 180 mg/kg

B20	B20
1	1
3	3
DUP	FS
28.5	10.9



F5-B	F5-B	F5-B
1	3	6
3	6	9.7
FS	FS	FS
195 J	35.4 J	14.0 J

B21
1
3
FS
135

B19
1
3
FS
104

DELINEATION BORING NOT REQUIRED

TP-07 PREVIOUS BORING OR TEST PIT SAMPLE

2008 BORING ANALYTICAL RESULTS BELOW SCREENING CRITERIA

2008 BORING ANALYTICAL RESULTS ABOVE SCREENING CRITERIA

2008 INNER BORING

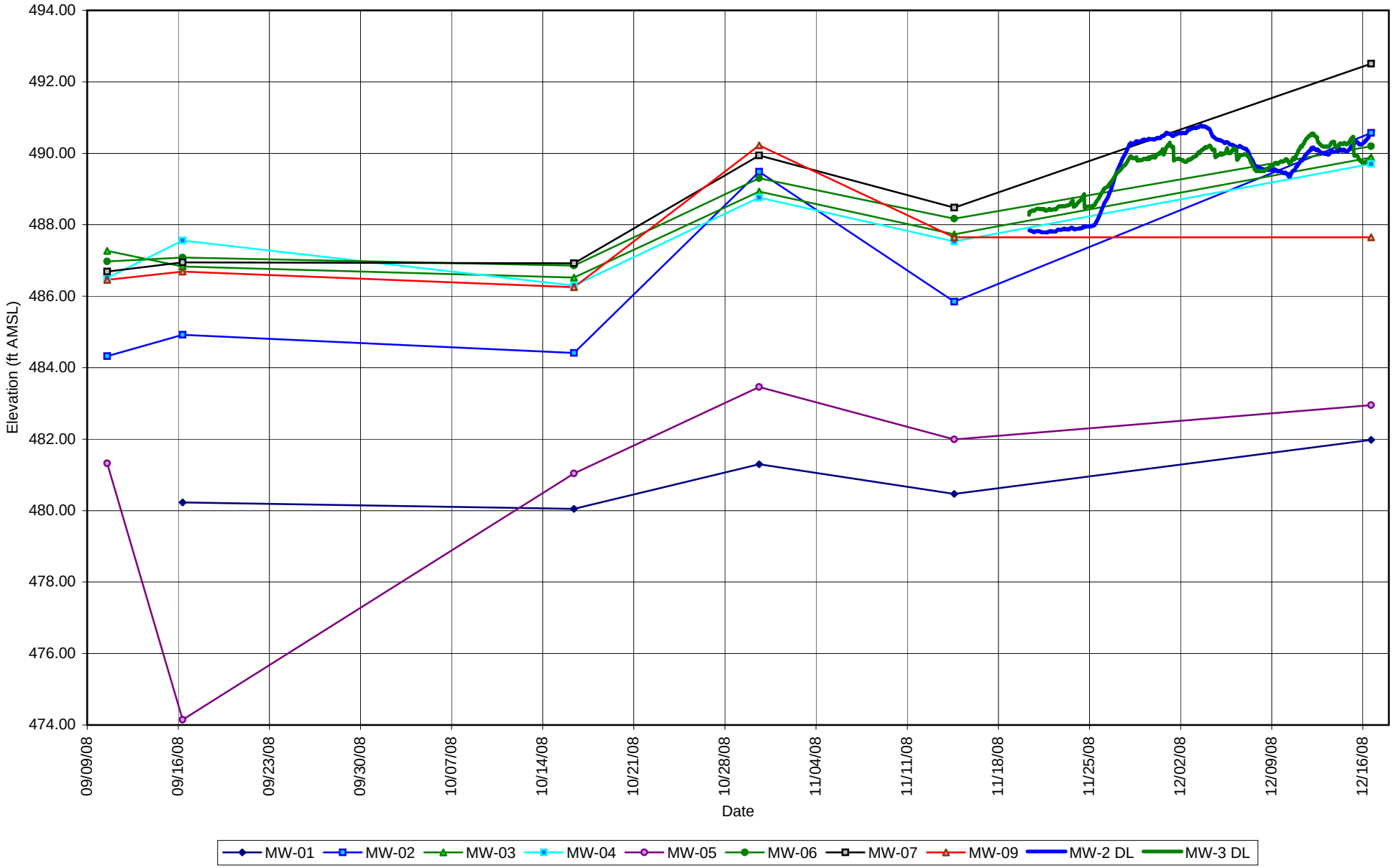
0 20 40 60FEET
SCALE

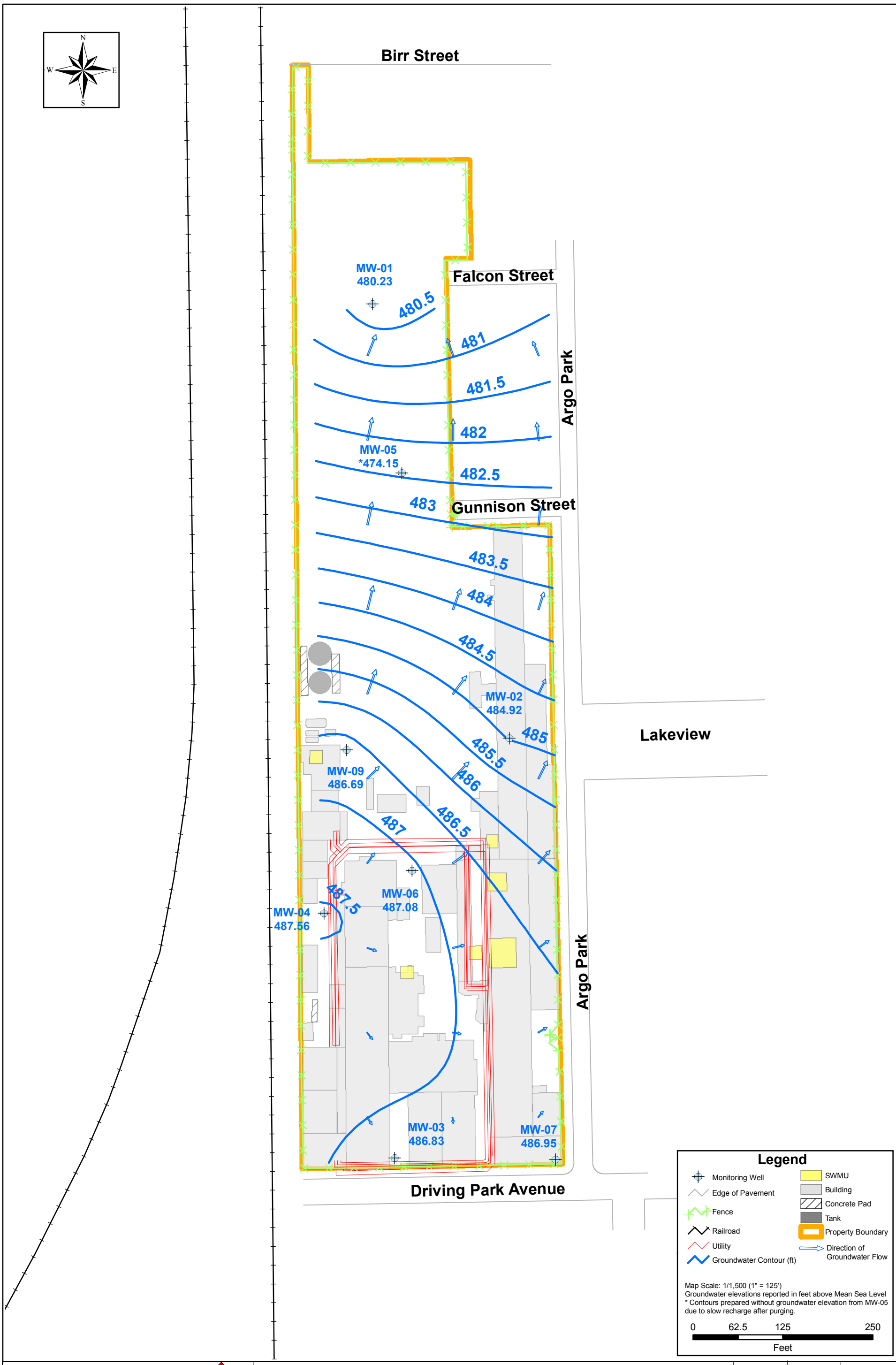
DUPONT CORPORATE REMEDIAITON GROUP
An Alliance bewteen DuPont and URS Diamond
Buffalo Ave and 26th Street
Niagara Falls, NY 14302

Area 8 Soil Results
Silver Results
DuPont 666 Driving Park Site, Rochester, NY

DRAWN	DESIGNED	FILE NUMBER
GEB	DMS	Areas-2-8.dgn
CHECKED	APPROVED	FIGURE NO
DMS	PFM	Fig4-8
DATE	REVISION	
2/2/09	0	

Figure 4-9
Groundwater Elevation Data
September to December 2008
DuPont: 666 Driving Park Avenue

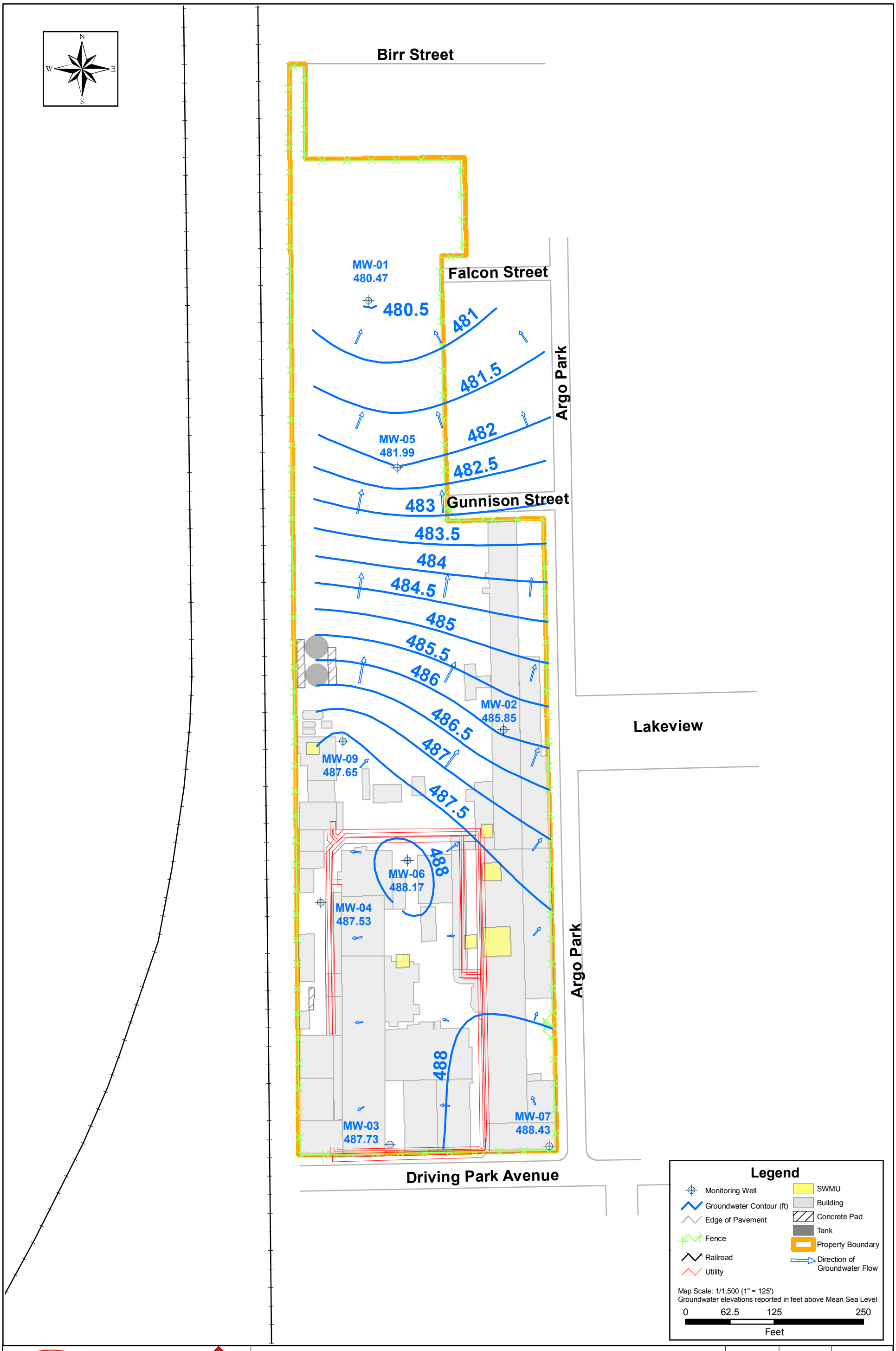




CORPORATE REMEDIATION GROUP
6324 Fairveiw Road
Charlotte, NC 28210
An Alliance between
DuPont and URS Corporation - North Carolina

Title: Potentiometric Surface Map September 16, 2008
Rochester, NY

Drawn: ND	Date: 01/31/09	DuPont No.:
Revision:	Figure No.: 4-10	URSD No.:
File Name: I:\Rochester_Driving_Park\GIS\Projects\Rochester_GW_Contour_9_16_08.mxd		



CORPORATE REMEDIATION GROUP
6324 Fairveiw Road
Charlotte, NC 28210
An Alliance between
DuPont and URS Corporation - North Carolina

Title: Potentiometric Surface Map November 14, 2008
Rochester, NY

Drawn: ND	Date: 01/31/09	DuPont No.:
Revision:	Figure No.: 4-11	URSD No.:
File Name: I:\Rochester_Driving_Park\GIS\Projects\Rochester_GW_Contour_11_14_08.mxd		

Figure 4-12
Groundwater Elevation Difference
(Difference from Minimum Recorded Elevation)
September to December 2008
DuPont: 666 Driving Park Avenue

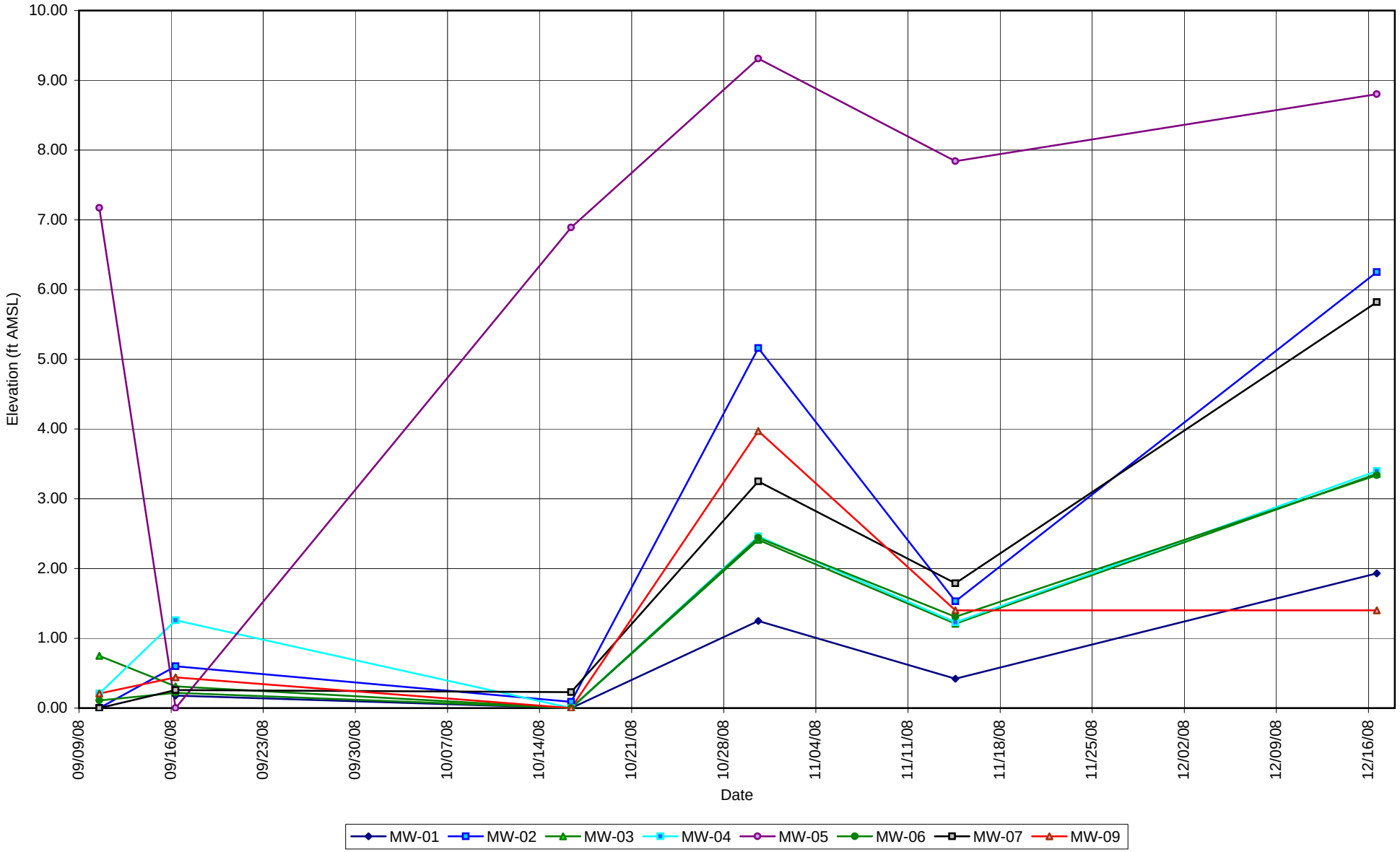
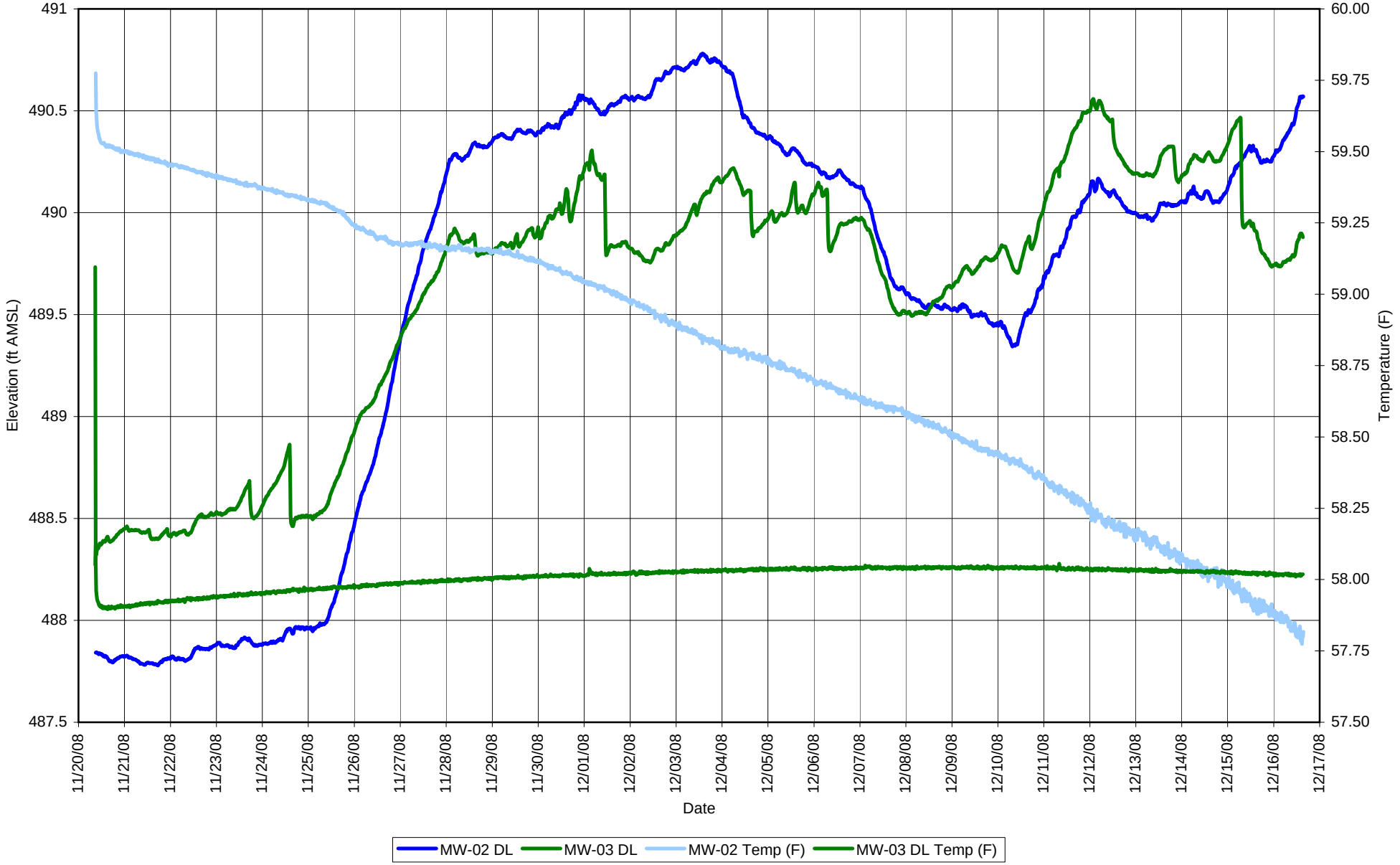


Figure 4-13
Groundwater Elevation and Temperature Fluctuations
November to December 2008
DuPont: 666 Driving Park Avenue



LEGEND:

- 501 — CONTOUR (1.0' INTERVAL)
- CONTOUR (0.25' INTERVAL)
- WLP — WOODEN LIGHT POLE
- MLP — METAL LIGHT POLE
- FLP — FIBERGLASS LIGHT POLE
- WUP — WOODEN UTILITY POLE
- SHRUB
- SHRUBROW
- DECIDUOUS TREE & SIZE
- DECIDUOUS TREE LINE
- CB — RECTANGULAR CATCH BASIN
- CB — ROUND CATCH BASIN
- HYDRANT
- WV — WATER VALVE
- METER — WATER METER
- SEWER MANHOLE
- TELEPHONE MANHOLE
- ELECTRIC HANDHOLE
- CITY HANDHOLE
- COUNTY HANDHOLE
- MONIT. WELL — MONITORING WELL
- HANDICAP RAMP
- CHAIN LINK FENCE
- RAILROAD TRACK
- SCARP
- DISCHARGE SEWER LINE
- FORMER BUILDING LOCATION
- FORMER PROCESS WASTE WATER TRENCH
- FORMER SUMP APPROXIMATE LOCATION
- AREA OF POTENITAL SOIL REMOVAL BASED ON TARGET METAL CONCENTRATIONS
- MONITORING WELL LOCATIONS

NOTES:

Screening Criteria = NYGWCLGA, 2002
Highlight = result exceeded criteria
Bold = result detected above MDL
ND = Non detect at stated reporting limit
NQ= Compound detected at a level between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ). Result is not quantifiable.
J = Analyte present, reported value may not be accurate
B = Not detected substantially above the level reported in the laboratory or field blanks.
UJ = Not detected. Reporting limit may not be accurate or precise.
R = Unusable result. Analyte may or may not be present in the sample.

BIRR STREET
FALCON STREET
GUNNISON STREET
ARGO PARK
LAKE VIEW PARK
DRIVING PARK AVENUE
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-9
AREA 2
AREA 3
AREA 4
AREA 6
AREA 7
AREA 8
NON-HAZARDOUS WASTE STORAGE AREA #1
NON-HAZARDOUS WASTE STORAGE AREA #2
NON-HAZARDOUS WASTE STORAGE AREA #3
FUEL OIL STORAGE
SUMP
DISCHARGE SEWER LINE (LOCATION APPROXIMATE)
BLDG 01
BLDG 02
BLDG 03
BLDG 04
BLDG 05
BLDG 06
BLDG 08
BLDG 09
BLDG 30
BLDG 35
BLDG 36
BLDG 38
BLDG 40
BLDG 42
BLDG 44
BLDG 65
BLDG 79
BLDG 80

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	MW-01 9/16/08
IRON	UG/L	D	300	**501**
IRON	UG/L	T	300	**4620**
MAGNESIUM	UG/L	D	35000	**35900**
MAGNESIUM	UG/L	T	35000	**36700**
SODIUM	UG/L	D	20000	**137000**
SODIUM	UG/L	T	20000	**134000**

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	MW-05 9/17/08
BENZO(A)ANTHRACENE	UG/L	T	0.002	**0.023 J**
BENZO(A)PYRENE	UG/L	T		**0.032 J**
BENZO(B)FLUORANTHENE	UG/L	T	0.002	**0.071**
BENZO(K)FLUORANTHENE	UG/L	T	0.002	**0.023 J**
CHRYSENE	UG/L	T	0.002	**0.073**
INDENO(1,2,3-CD)PYRENE	UG/L	T	0.002	**0.027 J**
IRON	UG/L	T	300	**20300**
MAGNESIUM	UG/L	D	35000	**76900**
MAGNESIUM	UG/L	T	35000	**112000**
MANGANESE	UG/L	T	300	**574**
SODIUM	UG/L	D	20000	**653000**
SODIUM	UG/L	T	20000	**771000**

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	MW-09 9/15/08
MAGNESIUM	UG/L	D	35000	**42400**
MAGNESIUM	UG/L	T	35000	**44500**
SODIUM	UG/L	D	20000	**154000 J**
SODIUM	UG/L	T	20000	**118000 J**

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	MW-02 9/16/08
IRON	UG/L	T	300	**898**
MAGNESIUM	UG/L	D	35000	**58400**
MAGNESIUM	UG/L	T	35000	**61300**
SODIUM	UG/L	D	20000	**166000**
SODIUM	UG/L	T	20000	**170000**

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	MW-04 9/15/08
IRON	UG/L	D	300	**392**
IRON	UG/L	T	300	**461**
MAGNESIUM	UG/L	D	35000	**71200**
MAGNESIUM	UG/L	T	35000	**72200**
SODIUM	UG/L	D	20000	**391000**
SODIUM	UG/L	T	20000	**387000**

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	MW-06 9/18/08
SODIUM	UG/L	D	20000	**255000**
SODIUM	UG/L	T	20000	**258000**

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	MW-03 9/16/08
1,1-DICHLOROETHENE	UG/L	T	5	**8.1**
CIS-1,2-DICHLOROETHENE	UG/L	T	5	**290**
TRANS-1,2-DICHLOROETHENE	UG/L	T	5	**120**
TRICHLOROETHENE	UG/L	T	5	**21**
VINYL CHLORIDE	UG/L	T	2	**24**
BENZO(B)FLUORANTHENE	UG/L	T	0.002	**0.011 J**
IRON	UG/L	T	300	**1010**
MAGNESIUM	UG/L	D	35000	**89400**
MAGNESIUM	UG/L	T	35000	**101000**
SODIUM	UG/L	D	20000	**227000**
SODIUM	UG/L	T	20000	**263000**

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	MW-07 9/16/08
CIS-1,2-DICHLOROETHENE	UG/L	T	5	**9**
VINYL CHLORIDE	UG/L	T	2	**10**
IRON	UG/L	T	300	**1290**
SODIUM	UG/L	D	20000	**279000**
SODIUM	UG/L	T	20000	**293000**

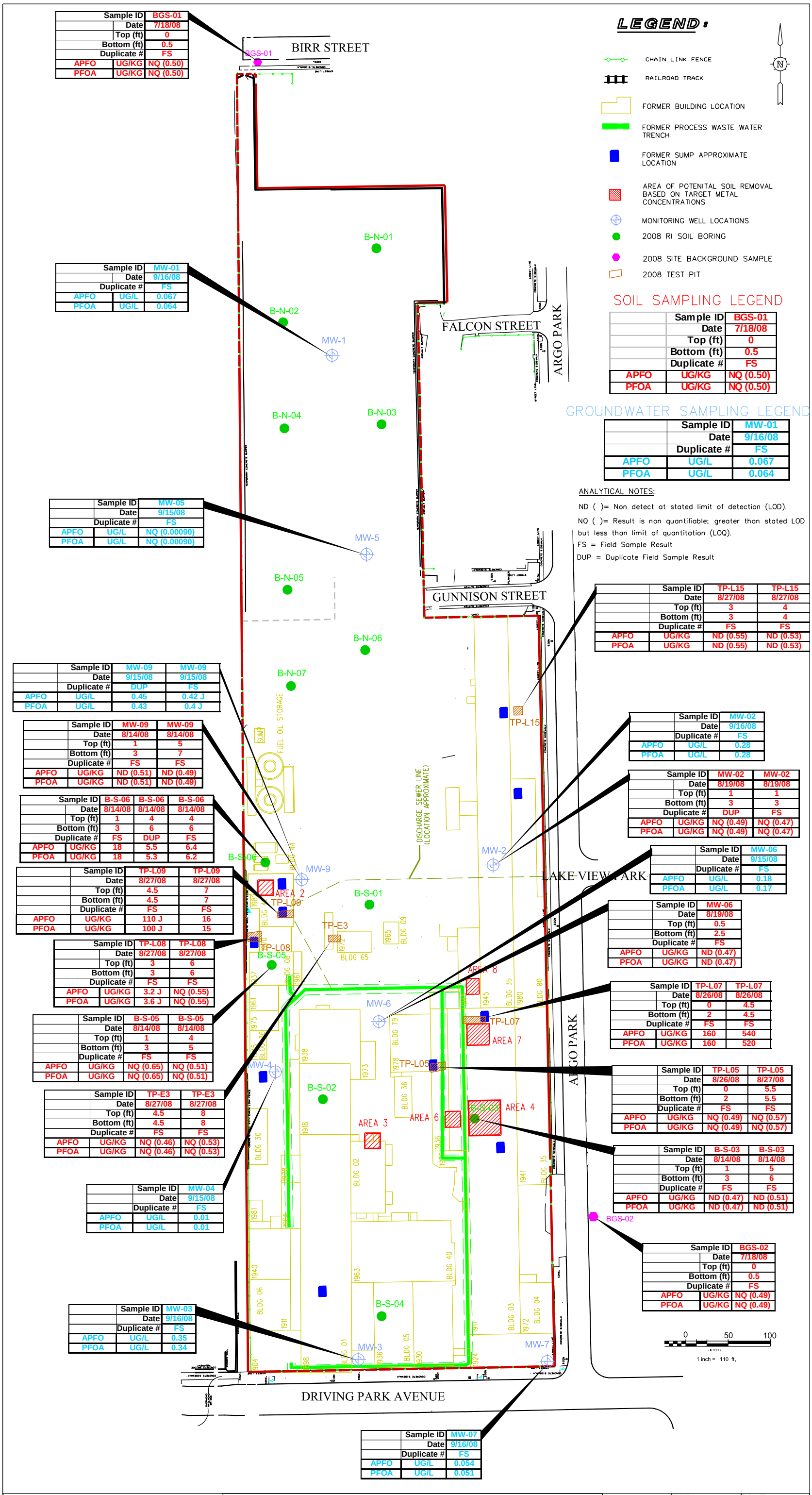
GRAPHIC SCALE
0 52.5 105
(IN FEET)
1 inch = 105 ft.

Basemap Features Supplemented by February 6, 2008 survey completed by the
Department of Environmental Services
Bureau of Engineering Services
Office of Maps & Surveys
City of Rochester, New York

DUPONT CORPORATE REMEDIAITON GROUP
An Alliance bewteen DuPont and URS Diamond
Buffalo Ave and 26th Street
Niagara Falls, NY 14302

TITLE
Groundwater Sample Results: Criteria Excedances
Remedial Investigation - 2008
DuPont Rochester Driving Park Site, Rochester, NY

DRAWN	DESIGNED	FILE NUMBER
GEB	DMS	Figure4-14.dgn
CHECKED	APPROVED	FIGURE NO
DMS	PFM	Fig 4-14
DATE	REVISION	
2/10/09	0	



SOIL SAMPLING LEGEND

	Sample ID	BGS-01
	Date	7/18/08
	Top (ft)	0
	Bottom (ft)	0.5
	Duplicate #	FS
APFO	UG/KG	NQ (0.50)
PFOA	UG/KG	NQ (0.50)

GROUNDWATER SAMPLING LEGEND

	Sample ID	MW-01
	Date	9/16/08
	Duplicate #	FS
APFO	UG/L	0.067
PFOA	UG/L	0.064

ANALYTICAL NOTES:

ND ( )= Non detect at stated limit of detection (LOD).

NQ ( )= Result is non quantifiable; greater than stated LOD but less than limit of quantitation (LOQ).

FS = Field Sample Result

DUP = Duplicate Field Sample Result

	Sample ID	MW-05
	Date	9/15/08
	Duplicate #	FS
APFO	UG/L	NQ (0.00090)
PFOA	UG/L	NQ (0.00090)

	Sample ID	TP-L15	TP-L15
	Date	8/27/08	8/27/08
	Top (ft)	3	4
	Bottom (ft)	3	4
	Duplicate #	FS	FS
APFO	UG/KG	ND (0.55)	ND (0.53)
PFOA	UG/KG	ND (0.55)	ND (0.53)

	Sample ID	MW-09	MW-09
	Date	9/15/08	9/15/08
	Duplicate #	DUP	FS
APFO	UG/L	0.45	0.42 J
PFOA	UG/L	0.43	0.4 J

	Sample ID	MW-02
	Date	9/16/08
	Duplicate #	FS
APFO	UG/L	0.28
PFOA	UG/L	0.28

	Sample ID	MW-09	MW-09
	Date	8/14/08	8/14/08
	Top (ft)	1	5
	Bottom (ft)	3	7
	Duplicate #	FS	FS
APFO	UG/KG	ND (0.51)	ND (0.49)
PFOA	UG/KG	ND (0.51)	ND (0.49)

	Sample ID	MW-02	MW-02
	Date	8/19/08	8/19/08
	Top (ft)	1	1
	Bottom (ft)	3	3
	Duplicate #	DUP	FS
APFO	UG/KG	NQ (0.49)	NQ (0.47)
PFOA	UG/KG	NQ (0.49)	NQ (0.47)

	Sample ID	B-S-06	B-S-06	B-S-06
	Date	8/14/08	8/14/08	8/14/08
	Top (ft)	1	4	4
	Bottom (ft)	3	6	6
	Duplicate #	FS	DUP	FS
APFO	UG/KG	18	5.5	6.4
PFOA	UG/KG	18	5.3	6.2

	Sample ID	MW-06
	Date	9/15/08
	Duplicate #	FS
APFO	UG/L	0.18
PFOA	UG/L	0.17

	Sample ID	TP-L09	TP-L09
	Date	8/27/08	8/27/08
	Top (ft)	4.5	7
	Bottom (ft)	4.5	7
	Duplicate #	FS	FS
APFO	UG/KG	110 J	16
PFOA	UG/KG	100 J	15

	Sample ID	MW-06
	Date	8/19/08
	Top (ft)	0.5
	Bottom (ft)	2.5
	Duplicate #	FS
APFO	UG/KG	ND (0.47)
PFOA	UG/KG	ND (0.47)

	Sample ID	TP-L08	TP-L08
	Date	8/27/08	8/27/08
	Top (ft)	3	6
	Bottom (ft)	3	6
	Duplicate #	FS	FS
APFO	UG/KG	3.2 J	NQ (0.55)
PFOA	UG/KG	3.6 J	NQ (0.55)

	Sample ID	TP-L07	TP-L07
	Date	8/26/08	8/26/08
	Top (ft)	0	4.5
	Bottom (ft)	2	4.5
	Duplicate #	FS	FS
APFO	UG/KG	160	540
PFOA	UG/KG	160	520

	Sample ID	B-S-05	B-S-05
	Date	8/14/08	8/14/08
	Top (ft)	1	4
	Bottom (ft)	3	5
	Duplicate #	FS	FS
APFO	UG/KG	NQ (0.65)	NQ (0.51)
PFOA	UG/KG	NQ (0.65)	NQ (0.51)

	Sample ID	TP-L05	TP-L05
	Date	8/26/08	8/27/08
	Top (ft)	0	5.5
	Bottom (ft)	2	5.5
	Duplicate #	FS	FS
APFO	UG/KG	NQ (0.49)	NQ (0.57)
PFOA	UG/KG	NQ (0.49)	NQ (0.57)

	Sample ID	TP-E3	TP-E3
	Date	8/27/08	8/27/08
	Top (ft)	4.5	8
	Bottom (ft)	4.5	8
	Duplicate #	FS	FS
APFO	UG/KG	NQ (0.46)	NQ (0.53)
PFOA	UG/KG	NQ (0.46)	NQ (0.53)

	Sample ID	B-S-03	B-S-03
	Date	8/14/08	8/14/08
	Top (ft)	1	5
	Bottom (ft)	3	6
	Duplicate #	FS	FS
APFO	UG/KG	ND (0.47)	ND (0.51)
PFOA	UG/KG	ND (0.47)	ND (0.51)

	Sample ID	MW-04
	Date	9/15/08
	Duplicate #	FS
APFO	UG/L	0.01
PFOA	UG/L	0.01

	Sample ID	BGS-02
	Date	7/18/08
	Top (ft)	0
	Bottom (ft)	0.5
	Duplicate #	FS
APFO	UG/KG	NQ (0.49)
PFOA	UG/KG	NQ (0.49)

	Sample ID	MW-03
	Date	9/16/08
	Duplicate #	FS
APFO	UG/L	0.35
PFOA	UG/L	0.34

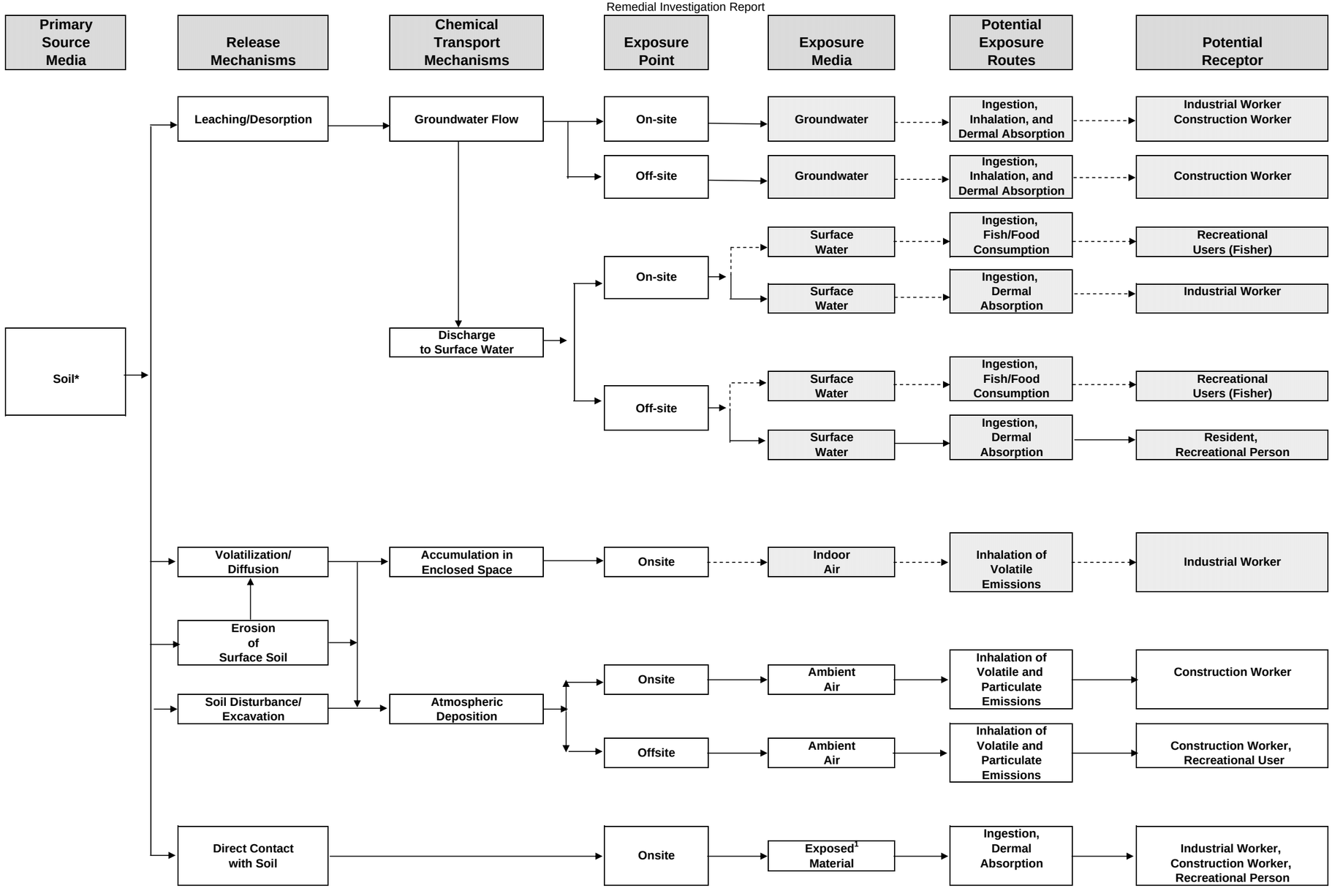
	Sample ID	MW-07
	Date	9/16/08
	Duplicate #	FS
APFO	UG/L	0.054
PFOA	UG/L	0.051

DUPONT CORPORATE REMEDIAITON GROUP
An Alliance bewteen DuPont and URS Diamond
Buffalo Ave and 26th Street
Niagara Falls, NY 14302

TITLE
PFOA Evaluation Results
Remedial Investigation - 2008
DuPont Rochester Driving Park Site, Rochester, NY

DRAWN	DESIGNED	FILE NUMBER
GEB	DMS	Figure4-15.dgn
CHECKED	APPROVED	FIGURE NO
DMS	PFM	Fig-4-15
DATE	REVISION	
2/2/09	0	

Figure 4-16
Conceptual Model for Human Potential Exposures
DuPont Rochester Driving Park
Remedial Investigation Report



* Media is surface soil for all receptors, and also subsurface soil for construction workers only.

1: Exposed material would include sediments brought to the surface as a result of recreational facility construction.

Complete Pathway →

Incomplete Pathway - - - →

Figure 4-16C (Sheet1 of 1)
Conceptual Site Model for Potential Human Exposures
Dupont Rochester Driving Park Facility