GENERAL CABLE SITE
ROD MILL PARCEL
PETROLEUM SPILL INVESTIGATION
WORK PLAN *(REVISION #1)*
(Index # D6-0001-97-07)

ROME, NEW YORK 13440

Jack Eisenbach Engineering, P.C.
291 Genesee Street, Utica, New York 13501· 315-735-1916 · Fax 315-735-6365 · E-mail jee@borg.com

GENERAL CABLE SITE
ROD MILL PARCEL
PETROLEUM SPILL INVESTIGATION
WORK PLAN *(REVISION #1)*
(Index # D6-0001-97-07)

ROME, NEW YORK 13440

JEE PROJECT NO: 8514

DATE ISSUED:
APRIL 26, 2000

Prepared For:
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Prepared By:
JACK EISENBACH ENGINEERING, P.C.
291 Genesee Street
Utica, New York 13501

Thomas W. Julian
Project Engineer

Mark P. Ruhnke, P.E.
Managing Engineer

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF APPENDIXES

1.0 Introduction

As part of the Voluntary Remedial Agreement (VRA) between Charles A. Gaetano (Owner) and the New York State Department of Environmental Conservation (NYSDEC), the petroleum spill previously discovered at the Rod Mill Parcel of the General Cable Site is required to be assessed and remediated if so required (see Figure-1 for site location). This work plan presents the scope of work and procedures for performing the required subsurface investigation.

The spill was originally discovered during a Phase II investigation completed at the Site by Remediation Technologies in 1997 (RETEC, 1997a) (see Appendix A for RETEC's boring plan, Boring logs and sample results).

This investigation shall determine the nature and extent of the petroleum impact previously identified in the area of a former 150,000 gallon aboveground fuel oil storage tank (AST) that was removed from the Site in 1996 (see Figure 2). All sampling and results shall be collected and compared to the NYSDEC STARS Memo #1 Guidance Values (STARS Memo#1), as stated in the Rod Mill Work Plan, attached to the VRA.

2.0 Background

The Site Owner, acquired title to the site in 1975 after General Cable ceased manufacturing operations. Since that time, he has leased the site to various tenants and has continued to seek redevelopment of the site for commercial or industrial use. The Site has historically been used for the manufacturing of metal cable and wire.

Historically, petroleum was transported to the AST via the New York State Barge Canal. Barges unloaded fuel at a dock on the north bank of the canal (see Figure 3).

3.0 Site Description

The property is listed by the City of Rome as tax map parcel #242.020-0001-018. At present, the site contains abandoned buildings and open areas, most of which are covered with concrete pavement.

4.0 Previous Investigations

There have been a number of previous investigations on this property. Many of these were conducted in the area between Building 11 (the Rod Mill Parcel) and the Mohawk River and will not be discussed here. In 1997 during a Phase II investigation (RETEC 1997a), soil borings were installed in the vicinity of the former 150,000-gallon AST. These borings indicated that the soil and groundwater in that area were impacted with petroleum constituents (see Appendix A for boring locations, boring logs and sample results from the previous investigation). This was the initial discovery of petroleum impact in this area. The extent of the impacted soil and groundwater was not determined during RETEC's Phase II.

During a secondary Phase II investigation conducted in July of 1997 (RETEC, 1997b), a test pit was excavated to expose the storm sewer line which crosses this area from the north to the south. It was observed that the bedding material surrounding the pipe is impacted by hydrocarbons. Analysis of the soil adjacent to the pipe found that the concentrations of hydrocarbon compounds were below the STARS Memo #1 petroleum clean up standards.

5.0 Scope of Work

The investigation will include work necessary to determine the nature and extent of petroleum impacted area, including assessment of underground fuel oil supply lines going to and from the tank, and assessing the bedding of adjacent storm sewer lines.

5.1 Soil Assessment

Soil borings will be installed using geoprobe push rod sampling techniques with 2-inch macro-core, teflon lined tube samplers (see Figure 4 for locations). The borings will be advanced in 4 foot intervals to depths of 20 feet below the ground surface (bgs). All liners will be disposed of after each use and all sampling tubes will be decontaminated with an Alconox detergent solution between uses.

During the installation of the soil borings, the soil will be field screened for the presence of petroleum odors, staining, and volatile organic compounds (VOCs). VOCs will be assessed using a photo-ionization detector (PID). Field observations pertaining to the soil characteristics such as soil classification (USCS), color, odor, and PID readings will be recorded in boring logs.

Boring and sampling will follow an "inside out" approach starting at the boring locations completed during the previous RETEC Phase II investigation. Borings will then move away from each area until soil samples do not exhibit significant visual, olfactory or PID evidence of petroleum constituents.

Soil samples will be collected from selected borings and sent to the laboratory for analysis. JEE will collect soil samples from the soil exhibiting the highest PID readings or visual staining if no PID readings are present. If no impact is identified, a soil sample will be collected from the zone of soil in contact with the water table (capillary fringe zone). The locations of the samples will be determined in the field by the field engineer.

5.2 Groundwater Assessment

The borings indicated as 3,4,5 and 6 (see Figure 4) will be finished with 1" well points. The well points will be located with the goal of obtaining groundwater samples which are representative of the study area. Well points will be constructed of 10 foot long sections of 1-inch PVC slotted well screen, threaded to a solid PVC riser and placed within a 2 inch diameter borehole. The screen will be placed so that it will intercept

water table (3 feet above, 7 feet below). A surface seal of bentonite chips will be placed around each PVC riser and hydrated to prevent surface infiltration into the borehole. The well points will be developed by pumping with a peristaltic pump or equivalent. Following a stabilization period of one week, depth to water measurements will be obtained. The elevation (MSL) of the water table in each well point will be determined by a survey. Elevations will be found using existing benchmarks at the site (nearby wells). Wells will be sampled with the peristaltic pump.

5.3 Additional Areas of Concern

The underground fuel lines that connected the tank to the former filling dock on canal will be investigated up to the property line during this investigation. The bedding of the storm sewer lines located adjacent to the impacted area will also be assessed.

6.0 Sample Analysis/Results

6.1 Soil

Soil Samples will be analyzed by EPA methods 8021 and 8270 STARS Memo#1 Parameters with ASP Category B deliverables. The analytical data will be summarized and compared to STARS Memo#1 TCLP Alternative Guidance Values.

6.2 Groundwater

The water samples will be collected from each well point and analyzed by EPA Method 8021 and 8270 STARS Memo#1 Parameters. The data will then be compared to STARS Memo#1 TCLP Extraction Guidance Values.

7.0 Quality Assurance

7.1 Laboratory Qualifications and Reporting Requirements

Friends Laboratory Inc. is a contract laboratory that shall be providing analytical services for the project. All analytical reporting will be NYS DEC ASP Category B Deliverables.

7.2 Field Replicate Samples

Field replicates, also referred to as field duplicates and split samples, are field samples obtained from one sampling point, homogenized (where appropriate), divided into separate containers, and treated as separate samples throughout the remaining sample handling and analytical processes. Replicate samples will be used to assess errors associated with sample methodology and analytical procedures. Field replicates can also be used when determining total error for critical samples with contamination concentrations near the action level. In such a

case, a minimum of eight replicate samples is recommended for valid statistical analysis. Field replicates may be sent to two or more laboratories or to the same laboratory as unique samples. For total error determination, samples should be analyzed by the same laboratory. Generally, one field replicate per 20 samples per day is recommended.

7.3 Background Samples

Defining background conditions may be difficult because of natural variability and the physical characteristics of the site, but it is important in order to quantify true changes in contaminant concentrations due to a source or site. Defining background conditions is critical for avoiding false positives and for enforcement purposes in naming responsible parties. Background sampling is often required in ground-water sampling to verify plume direction, ambient conditions, and attribution of sources. A properly collected background sample serves as the baseline for the measure of contamination throughout the site. Ground-water background sample locations should be chosen carefully, usually upgradient from the suspected source of contamination where there is little or no chance of migration of contaminants of concern. Collect at least one background sample for comparison, although additional samples are often warranted by site-specific factors such as natural variability of local geology and multiple sources. Background samples may be collected to evaluate potential error associated with sampling design, sampling methodology, and analytical procedures.

7.4 Rinsate Blank Samples

A rinsate blank, also referred to as an equipment blank, is used to assess cross-contamination from improper equipment decontamination procedures. Rinsate blanks are samples obtained by running analyte-free water over decontaminated sampling equipment. Any residual contamination should appear in the rinsate sample data. The rinsate blank will be analyzed for the same analytical parameters as the field samples collected that day. The rinsate blank will be handled and shipped like a routine field sample. Where dedicated sampling equipment is not utilized, one rinsate blank will be collected per type of sampling device per day.

7.5 Field Blank Samples

Field blanks are samples prepared in the field using certified clean water (HPLC-grade water (carbon-free) for organic analyses and deionized or distilled water for inorganic analyses) which are then submitted to the laboratory for analysis. A field blank is used to evaluate contamination or error associated with sampling methodology, preservation, handling/shipping, and laboratory procedures. Field blanks will be handled, shipped, and analyzed like a routine field sample. One field blank will be submitted per day.

7.6 Blank Samples

Trip blanks are samples prepared prior to going into the field. They consist of certified clean water (HPLC-grade) and are not opened until they reach the laboratory. Trip blanks will be utilized for volatile organic analyses in an aqueous matrix only. Trip blanks will be handled, transported, and analyzed in the same manner as the other volatile organic samples collected that day. Trip blanks are used to evaluate error associated with shipping and handling and analytical procedures. A trip blank should be included with each shipment.

7.7 Field Duplicates

At least 20% of field screening and laboratory data with limited analytical deliverables will be confirmed by analyzing duplicate samples by CLP methods at a fixed off-site laboratory facility.

Field duplicate samples will be collected to demonstrate the accuracy of field screening and un-validated laboratory data with limited analytical deliverables. If all environmental samples are to be analyzed by CLP methods, duplicate samples will be taken at a frequency of at least 5% (1 in 20). However, when confirming field screening and laboratory data with limited analytical deliverables, at least 20% of the samples will be verified with duplicate samples analyzed by CLP methods for CLP TAL and TCL analytes. These CLP method duplicate sample requirements apply to each distinct matrix.

7.8 Matrix Spike/Matrix Spike Duplicate Analyses

When collecting organic samples for outside laboratory analysis, triple sample volume must be collected for one aqueous environmental sample in each Sample Delivery Group (SDG) in order to perform matrix spike and matrix spike duplicate analyses. This does not include field or trip blanks. Blanks do not require separate matrix spike or duplicate analyses regardless of their matrix.

The CLP Statement of Work defines an SDG as:

a. Each case of field samples, or
b. Each 20 field samples within a case.

Additional sample volume is not required to perform matrix spike/matrix duplicate (MS/MD) analysis on inorganic samples. However, the frequency of analysis of inorganic MS/MD samples is as stated above.

8.0 Reporting and Recommendations

After the analytical results have been received and validated, a Phase II Investigation Report will be prepared by JEE. This report will include a description of the sampling procedures, sample locations, sampling logs, boring logs, analytical results, data validation reports and sampling data from previous investigations. All results will be compared to the NYS DEC STARS Memo#1 Petroleum Soil Guidance Values and recommendation will be made for remediation, or no further action, if so required.

9.0 References

RETEC, 1997a. "Phase II Investigation of the Former General Cable Manufacturing Site, Rome, New York." July, 1997.

RETEC, 1997b. "Site Investigation/Remedial Alternatives Report, Roadway Right-of-Way Property, East Rome Business Park, Rome, New York". Report prepared by Remediation Technologies, Inc. September 1997.

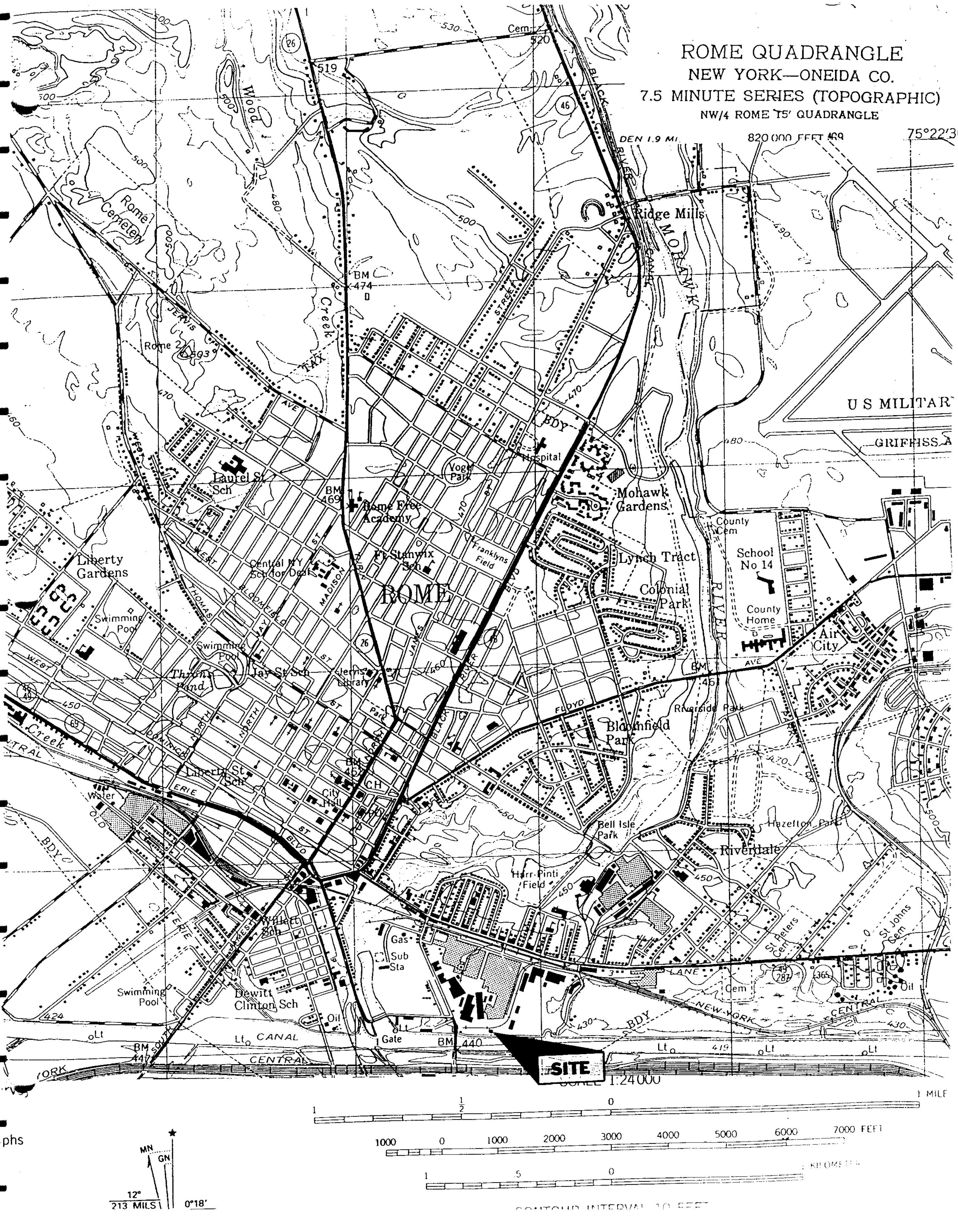
STARS Memo #1. "STARS Memo #1 Petroleum- contaminated Soil Guidance Policy" Prepared by New York State Department of Environmental Conservation, Division of Construction Management, Bureau of Spill Prevention and Spill Response; Spill Technology and Remediation Series, August 1992.

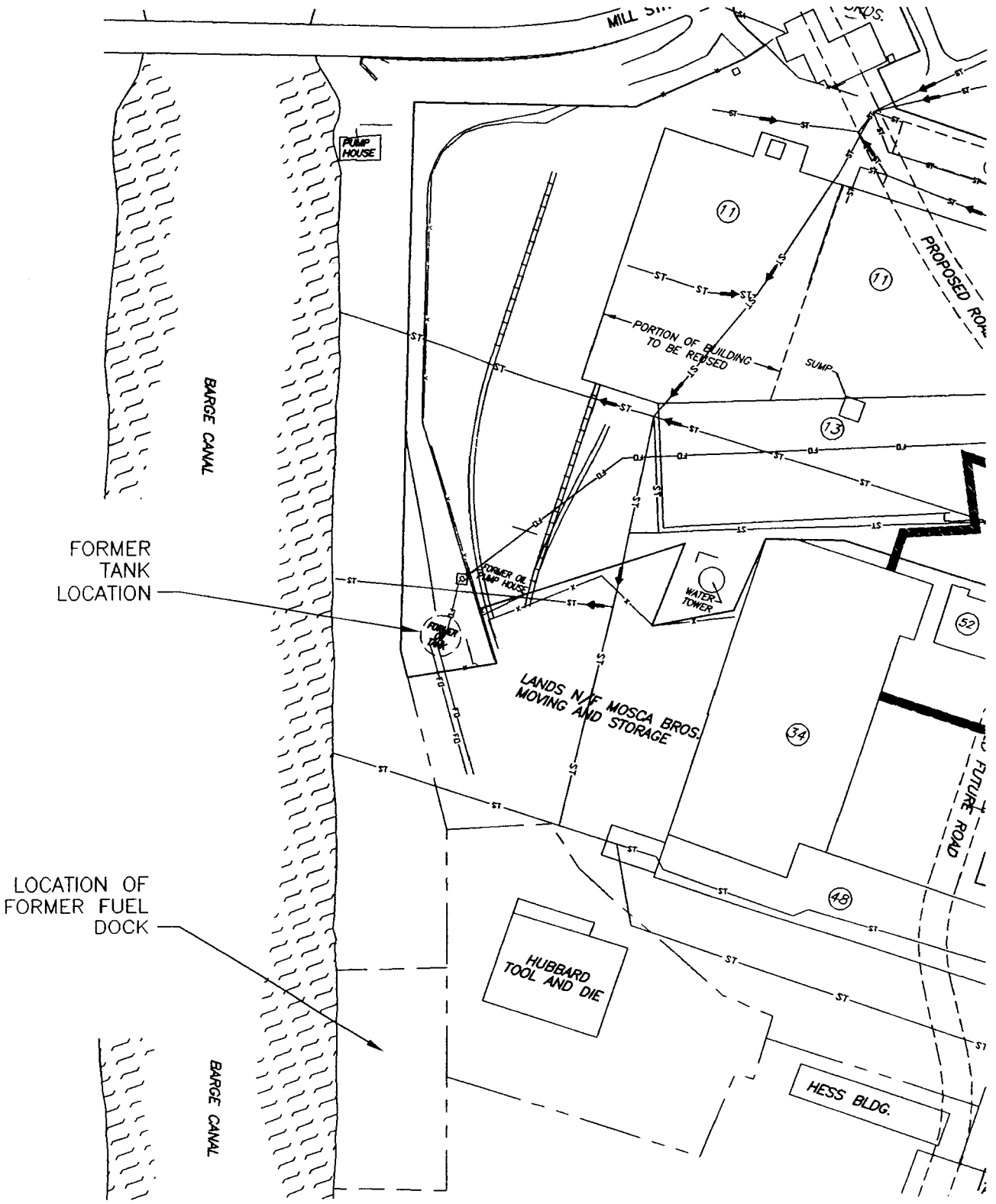
FIGURE 1

Site Location Map

FIGURE 2

Site Plan


ROME QUADRANGLE
NEW YORK—ONEIDA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 ROME 15' QUADRANGLE
820 000 FEET
75°22'30"
Ridge Mills
MOHAWK
RIVER
US MILITARY
GRIFFISS
Rome Cemetery
Rome 2
Laurel St Sch
Rome Free Academy
Vogel Park
Hospital
Mohawk Gardens
County Cem
School No 14
Lynch Tract
Colonial Park
County Home
Air City
Liberty Gardens
Swimming Pool
Central NY Sch for Deaf
Ft Stanwix Sch
Franklyns Field
ROME
Jay St Sch
Jervis Library
Riverside Park
Bloomfield Park
Liberty St Sch
City Hall
Bell Isle Park
Hazelton Park
Riverdale
Harr-Pinti Field
Willett Sch
Gas
Sub Sta
Dewitt Clinton Sch
St Peters Cem
St Johns Cem
Cem
CANAL
CENTRAL
BM 440
SITE
SCALE 1:24000
1 MILE
7000 FEET
KILOMETER
MN
GN
12°
213 MILS
0°18'
phs



JACK EISENBACH ENGINEERING, P.C. 291 Genesee Street, Utica, NY 13501 315-735-1916 168 Carlton Street, Buffalo, NY 14263 716-882-3903	DATE: 4/25/00 DRAWN: MPR NO.: 1	GENERAL CABLE SITE ROD MILL PETROLEUM INVESTIGATION SITE PLAN	FIG. 2

FIGURE 3

Historical Canal Map

Barge Canal

STATE OF NEW YORK

Map showing location of channel, structures, appropriated lands and terminals of the Erie, Champlain, Oswego, and Cayuga and Seneca Canals, as improved under Chapter 147, Laws of 1903, Chapter 391, Laws of 1909, and Chapter 746, Laws of 1911, and amendatory Laws.

Middle Division

Erie Canal Section 5

Sta. 6133 to Sta. 6165

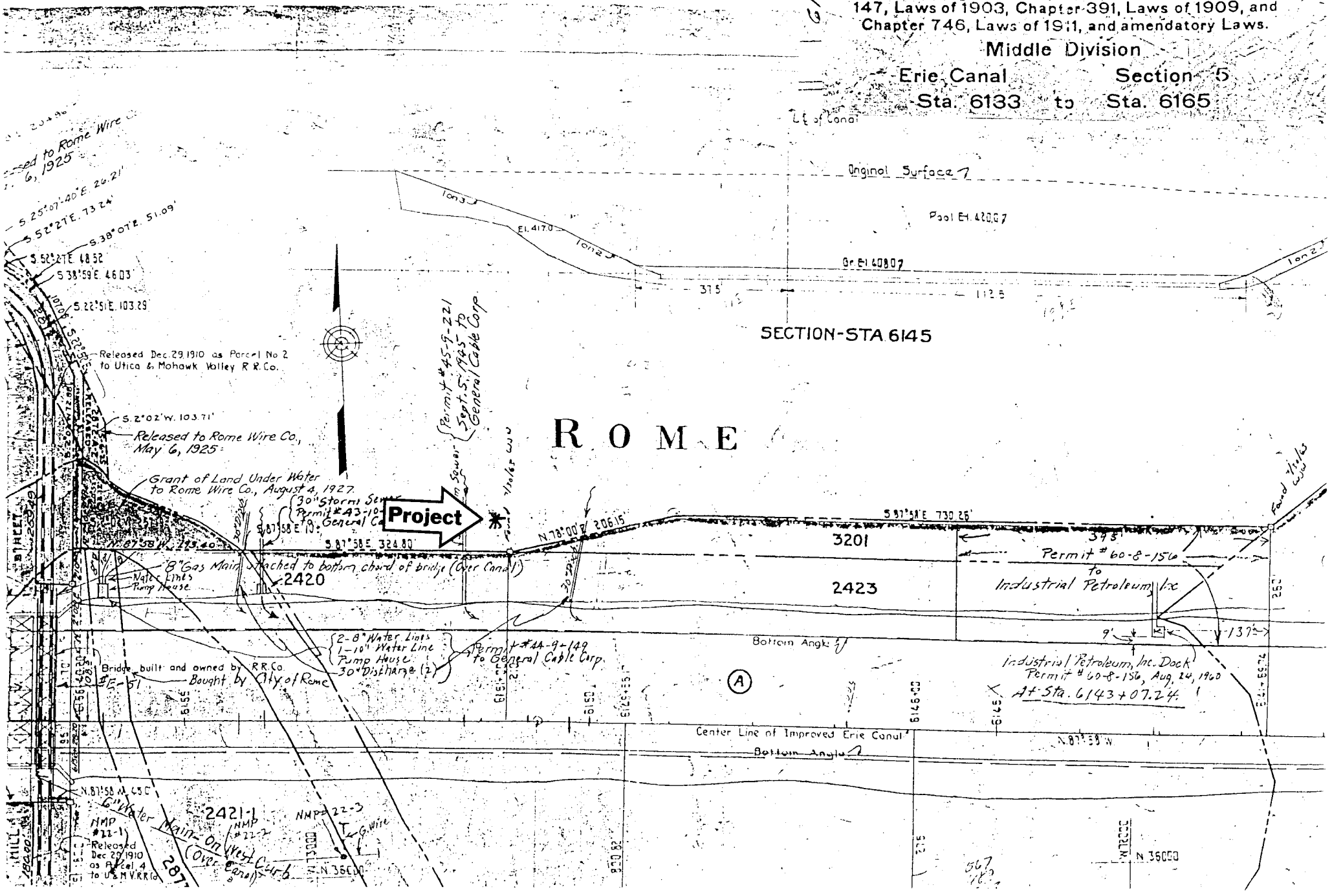
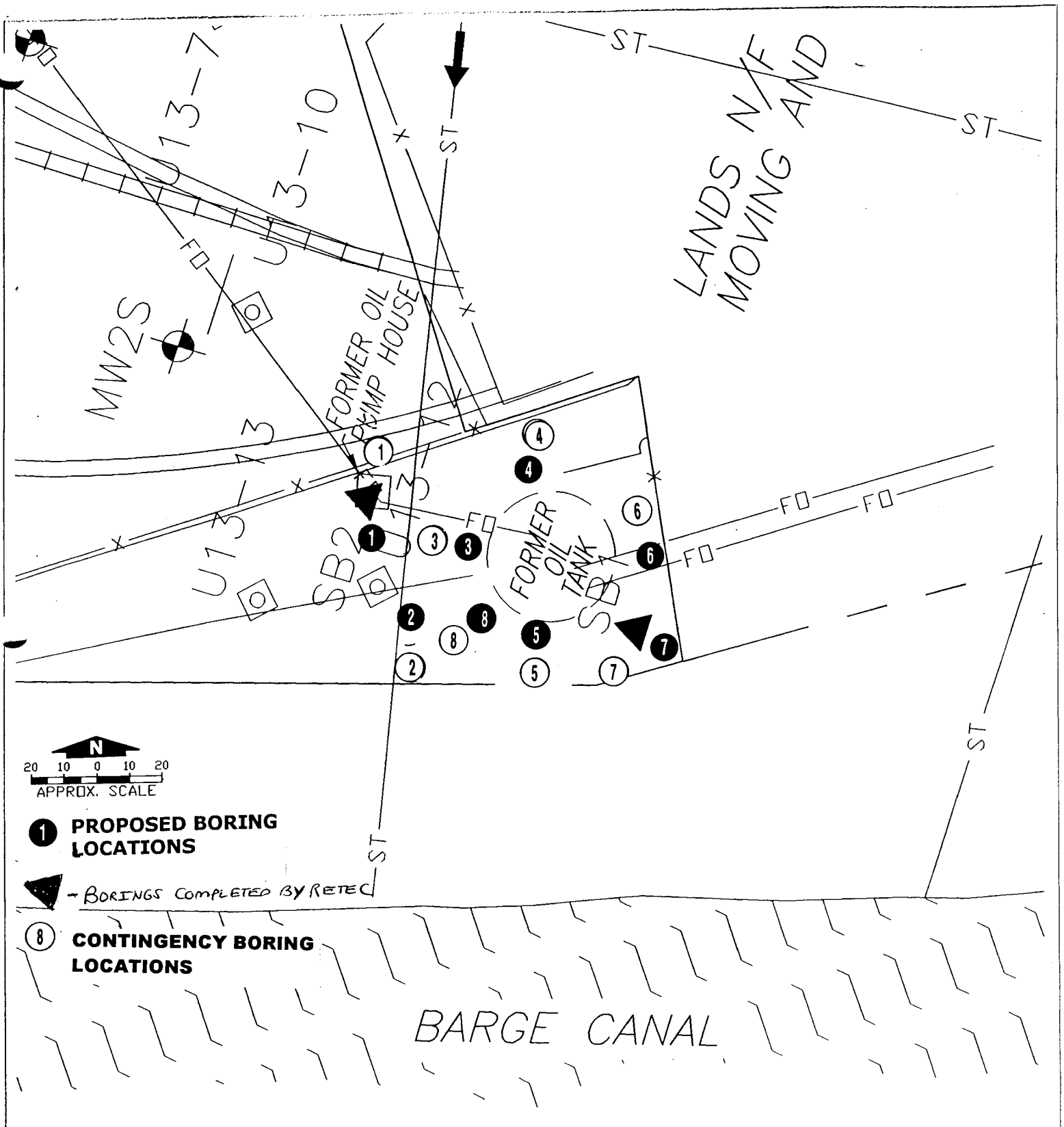


FIGURE 4

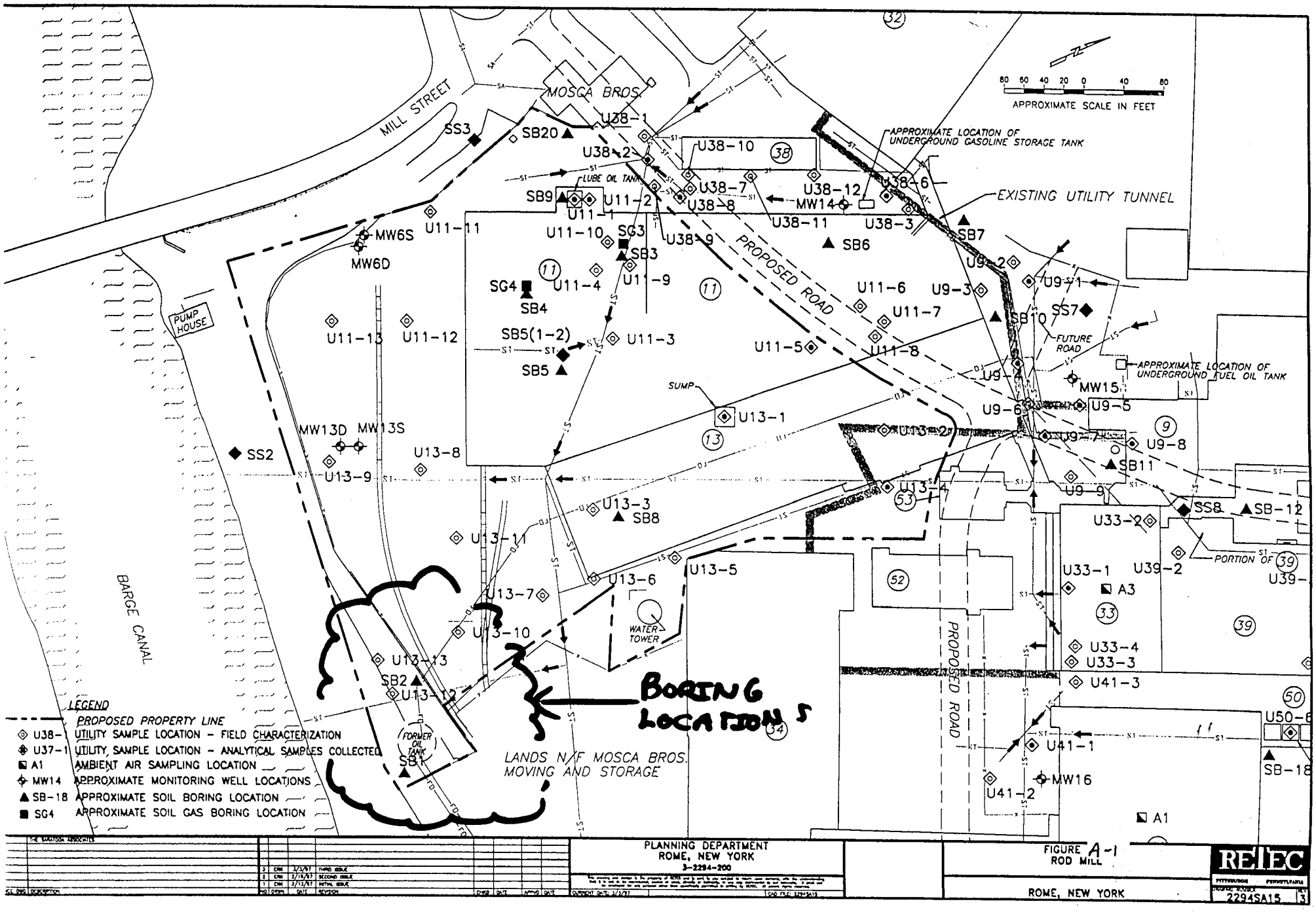
Proposed Boring Location Plan



JACK EISENBACH ENGINEERING, P.C. 291 Genesee Street, Utica, NY 13501 315-735-1916 168 Carlton Street, Buffalo, NY 14263 716-882-3903	DATE: 10-26-99 DRAWN: TWJ NO.: 8514	PROPOSED BORING LOCATIONS ROME GENERAL CABLE ROD MILL PARCEL	FIGURE 4

APPENDIX A

RETEC's Previous Investigation Boring Plan, Boring Logs and Sample Results


MILL STREET
MOSCA BROS.
PUMP HOUSE
BARGE CANAL
PROPOSED ROAD
EXISTING UTILITY TUNNEL
APPROXIMATE LOCATION OF UNDERGROUND GASOLINE STORAGE TANK
APPROXIMATE LOCATION OF UNDERGROUND FUEL OIL TANK
FUTURE ROAD
LUBE OIL TANK
SUMP
WATER TOWER
FORMER OIL TANK
PORTION OF
LANDS N/F MOSCA BROS. MOVING AND STORAGE
BORING LOCATIONS
APPROXIMATE SCALE IN FEET
LEGEND
PROPOSED PROPERTY LINE
U38- UTILITY SAMPLE LOCATION - FIELD CHARACTERIZATION
U37-1 UTILITY, SAMPLE LOCATION - ANALYTICAL SAMPLES COLLECTED
A1 AMBIENT AIR SAMPLING LOCATION
MW14 APPROXIMATE MONITORING WELL LOCATIONS
SB-18 APPROXIMATE SOIL BORING LOCATION
SG4 APPROXIMATE SOIL GAS BORING LOCATION
PLANNING DEPARTMENT
ROME, NEW YORK
3-2294-200
FIGURE A-1
ROD MILL
ROME, NEW YORK
REMEC
2294SA15

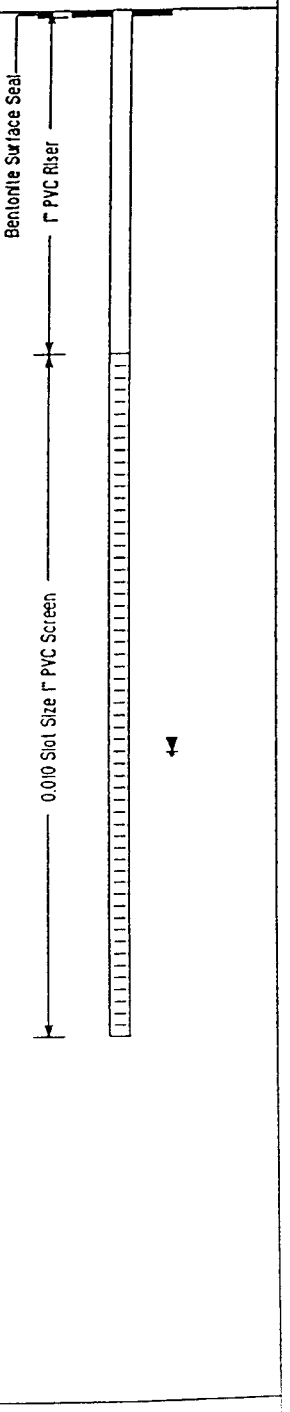
REMEDIATION TECHNOLOGIES, INC.

WELL INSTALLATION LOG
BORING: SB-1

PROJECT NO.: 3-2294-200	DRILLING CO.: Parratt Wolff	MP ELEVATION: NA
CLIENT: Saratoga Associates	DRILLER: Arnold Chapel	SURFACE ELEVATION: NA
LOCATION: General Cable	METHOD: Direct Push	WATER LEVEL DURING DRILLING: 10.81 feet bgs
START DATE: 12/18/98	CASING I.D.: NA	PVC STICK-UP: NA
GEOLOGIST: James Edwards	TOTAL DEPTH: 15.25 feet	AUGER O.D./I.D. 2" Borehole

DEPTH (feet)	SAMPLE TIME	BLOW COUNTS	RECOVERY	PID Headspace (ppm)	SAMPLE DEPTH	SOIL CLASS	LITHOLOGY	DESCRIPTION
								(0-1') Concrete slab.
	0830		40%	0.0		Fill		Fill material consisting of: 20% peat, 60% concrete fragments, 20% brick fragments.
	0843		40%	0.0				Fill material consisting of: 80% gray clayey silt, 20% brick fragments, moist, no odor.
5	0850		40%	0.2				Fill material consisting of: 90% orange clayey silt, 10% brick fragments, moist, no odor.
						ML		Clayey Silt, 90% silt, gray, firm, hydrocarbon odor and sheen.
	0855		50%	18.0		SM		10% gray sand, fine, moist.
								Sand, very fine, loose, hydrocarbon odor.
	0859		100%	8.0		ML		Clayey Silt, gray and brown in mottled pattern, strong hydrocarbon odor, moist.
10								
	0903		100%	16.0				Clayey Silt, gray and brown in mottled pattern, firm, strong hydrocarbon odor and sheen, wet.
						SM		
	0915		80%	7.0				Sand, gray, medium, well sorted, uniform, strong hydrocarbon odor and sheen, wet.
						ML		
15								
20								

WELL CONSTRUCTION



REMARKS:

▼ Groundwater level
Sample sent to laboratory for analysis: SB1 (10-12)
SB22 (10-12) duplicate

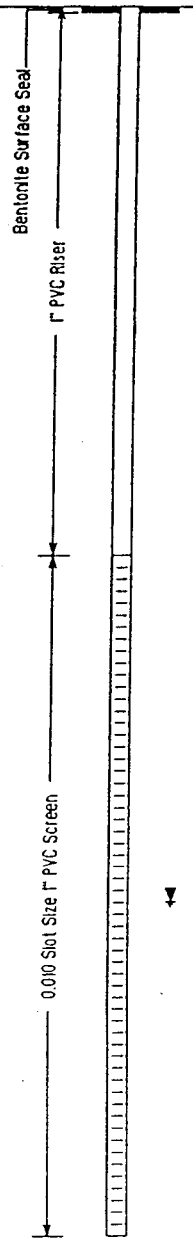
REMEDIATION TECHNOLOGIES, INC.

WELL INSTALLATION LOG
BORING: SB-2

PROJECT NO.: 3-2294-200	DRILLING CO.: Parratt Wolff	MP ELEVATION: NA
CLIENT: Saratoga Associates	DRILLER: Arnold Chapel	SURFACE ELEVATION: NA
LOCATION: General Cable	METHOD: Direct Push	WATER LEVEL DURING DRILLING: 13.10 feet bgs
START DATE: 12/18/98	CASING I.D.: NA	PVC STICK-UP: NA
GEOLOGIST: James Edwards	TOTAL DEPTH: 17.60 feet	AUGER O.D./I.D. 2" Borehole

DEPTH (feet)	SAMPLE TIME	BLOW COUNTS	RECOVERY	PID Headspace (ppm)	SAMPLE DEPTH	SOIL CLASS	LITHOLOGY	DESCRIPTION
								Asphalt 6", Concrete 6".
	0946		50%	0.0		Fill		Fill material consisting of: 80% rounded gravel, moist, 10% medium sand, dry, no odor.
	0948		90%	0.0				Fill material consisting of: 90% Clayey Silt, brown, firm, dry, 10% brick fragments, no odor.
5	0952		50%	0.2		ML		Clayey Silt, brown, firm, uniform, trace nodules of orange stain, no odor, moist.
	0958		70%	0.4				Clayey Silt, brown, uniform, firm, slight plasticity, no odor, moist.
	1001		80%	0.1				Clayey Silt, brown, uniform, firm, no odor,
10						SM		Sand 70% medium, brown, no odor, 30% gravel, angular, wet.
	1008		90%	L2		ML		Clayey Silt, 60% brown, silt, slight plasticity, 40% angular rock fragments, wet, slight hydrocarbon odor.
	1014		20%	12.0				Clayey Silt, brown, firm, hydrocarbon odor, 10% pink sandstone fragments.
15	1020		0%	NA				No recovery, gravel plug in spoon tip.
	1028		100%	42.0		SM		Sand, 50% silt to 17.0' then becomes coarse to medium, poorly sorted, strong hydrocarbon odor and sheen.
20								

WELL CONSTRUCTION



REMARKS:
▼ Groundwater level
Sample sent to laboratory for analysis: SB2 (16-18)

Table B-2
Summary of Subsurface Soil Analytical Results

Name	NYSDEC Recommended Soil Cleanup Objective[1]	MW14 (0-0.3) 12/11/96	MW15 (1-1.3) 12/11/96	MW16 (1-1.3) 12/12/96	MW17 (0-0.3) 12/10/96	SB1 (10-12) 12/18/96	SB2 (16-18) 12/18/96	SB3 (2-4) 12/19/96	SB4 (1-3) 12/19/96
TOTAL SOLIDS (%)		79.68	84.92	77.72	87.62	72.72	81.99	71.51	77.21
MOISTURE (%)		NA	NA	NA	NA	27.28	18.01	28.49	27.79
T. ORGANIC CARBON (mg/Kg)		NA	NA	NA	NA	NA	NA	NA	NA
Metals (mg/Kg)									
ANTIMONY	SB	7.49	77.7	3.83 U	13.6	3.25 U	3.32 U	3.88 U	16
ARSENIC	7.5 /SB	6.9	72.6	3.2	7	3	4.5	1.7	8.3
BERYLLIUM	0.16 /SB	0.494	0.306	0.844	0.273	0.8	0.425	0.847	0.532
CADMIUM	1 /SB	0.59 U	0.58 U	0.66 U	1.3	0.58 U	0.53 U	0.68 U	0.65 U
CHROMIUM	10 /SB	7.94	46.4	20.6	18.1	19.1	12.4	18.6	13.2
COPPER	25 /SB	491	291	42.6	272	66.7	27.9	771	842
LEAD	SB	106	236	81.5	138	19	3.4	22	27.7
MERCURY	0.1	0.08	0.1	0.06	0.14	0.04	0.018	0.06	0.17
NICKEL	13 /SB	10.8	9.14	30.9	12.5	30	21.7	25	16
SELENIUM	2 /SB	0.59 U	1.5	0.66 U	0.58 U	0.58 U	0.53 U	0.68 U	0.65 U
SILVER	SB	0.714 U	0.681 U	0.821 U	0.588 U	0.696 U	0.833	0.832 U	0.783 U
THALLIUM	SB	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.1 U	1.4 U	1.3 U
ZINC	20 /SB	105	44.5	67.9	171	79.6	44.6	59.7	41.7
PAHs (mg/Kg)									
NAPHTHALENE	13	1.5	0.62	0.32 U	1.3 J	1.1	0.22 J	0.33 U	0.31 U
ACENAPHTHYLENE	41	1.6	0.59 U	0.32 U	0.98 J	0.32 U	0.29 U	0.33 U	0.31 U
ACENAPHTHENE	50	0.35 J	0.59 U	0.32 U	1.4 U	1.1	0.59	0.33 U	0.31 U
FLUORENE	50	0.65 J	0.12 J	0.32 U	1.4 U	1.1	0.57	0.33 U	0.31 U
PHENANTHRENE	50	9	1.3	0.32 U	3.7	2.2	0.96	0.33 U	0.31 U
ANTHRACENE	50	1.5 J	0.59 U	0.32 U	0.68 J	0.11 J	0.29 U	0.33 U	0.31 U
FLUORANTHENE	50	14	0.48 J	0.32 U	6	0.07 J	0.29 U	0.33 U	0.31 U
PYRENE	50	24	0.51 J	0.32 U	7.9	0.36	0.16 J	0.33 U	0.31 U
BENZ(A)ANTHRACENE	0.224 MDL	10	0.29 J	0.32 U	4.9	0.32 U	0.29 U	0.33 U	0.31 U
CHRYSENE	0.4	9.8	0.47 J	0.32 U	5	0.32 U	0.29 U	0.33 U	0.31 U
BENZO(B)FLUORANTHENE	1.1	11 **	0.32 J	0.32 U	6	0.32 U	0.29 U	0.33 U	0.31 U
BENZO(K)FLUORANTHENE	1.1	3.3 **	0.13 J	0.32 U	2.2	0.32 U	0.29 U	0.33 U	0.31 U
BENZO(A)PYRENE	0.061 MDL	8.3 **	0.26 J	0.32 U	4.6	0.32 U	0.29 U	0.33 U	0.31 U
INDENO(1,2,3-CD)PYRENE	3.2	3.4 **	0.59 U	0.32 U	2.2	0.32 U	0.29 U	0.33 U	0.31 U
DIBENZO(A,H)ANTHRACENE	0.014 MDL	1.5 **J	0.59 U	0.32 U	0.87 J	0.32 U	0.29 U	0.33 U	0.31 U
BENZO(GHI)PERYLENE	50	3.8 **	0.59 U	0.32 U	2.3	0.32 U	0.29 U	0.33 U	0.31 U
VOCs (mg/Kg)									
CHLOROMETHANE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
VINYL CHLORIDE	0.2	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
CHLOROETHANE	1.9	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
BROMOMETHANE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
1,1-DICHLOROETHENE	0.4	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.021	0.0108 U
ACETONE	0.2	0.031 U	0.029 U	0.084	0.047 U	0.094	3.811 U	0.056 U	0.054 U
CARBON DISULFIDE	2.7	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.031	0.0108 U
METHYLENE CHLORIDE	0.1	0.007	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.019
TRANS-1,2-DICHLOROETHENE	0.3	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
1,1-DICHLOROETHANE	0.2	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
CIS-1,2-DICHLOROETHENE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
2-BUTANONE (MEK)	0.3	0.031 U	0.029 U	0.032 U	0.047 U	0.053 U	3.811 U	0.056 U	0.054 U
CHLOROFORM	0.3	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
1,1,1-TRICHLOROETHANE	0.8	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
CARBON TETRACHLORIDE	0.6	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
BENZENE	0.06	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.019	0.0108 U
1,2-DICHLOROETHANE	0.1	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
TRICHLOROETHENE	0.7	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.019	0.0108 U
1,2-DICHLOROPROPANE	0.3	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
BROMODICHLOROMETHANE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
CIS-1,3-DICHLOROPROPENE	0.3	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
4-METHYL-2-PENTANONE (MIBK)	1	0.012 U	0.012 U	0.013 U	0.019 U	0.021 U	1.52 U	0.022 U	0.022 U
TOLUENE	1.5	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.022	0.0108 U
TRANS-1,3-DICHLOROPROPENE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
1,1,2-TRICHLOROETHANE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
TETRACHLOROETHENE	1.4	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
2-HEXANONE	NL	0.012 U	0.012 U	0.012 U	0.019 U	0.021 U	1.52 U	0.022 U	0.022 U
DIBROMOCHLOROMETHANE	NA	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
CHLOROBENZENE	1.7	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.013	0.0108 U
ETHYLBENZENE	5.5	0.0062 U	0.006 U	0.006 U	0.0093 U	0.11	0.762 U	0.011 U	0.0108 U
P-XYLENE/M-XYLENE	1.2 *	0.0062 U	0.006 U	0.006 U	0.0093 U	0.16	0.762 U	0.011 U	0.0108 U
O-XYLENE	1.2	0.0062 U	0.006 U	0.006 U	0.0093 U	0.026	0.762 U	0.011 U	0.0108 U
STYRENE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
BROMOFORM	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
1,1,2,2-TETRACHLOROETHANE	0.6	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
PCBs (mg/Kg)									
PCB 1016	10	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1221	(Sum of	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1232	all PCBs)	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1242		NA	NA	NA	NA	NA	NA	NA	NA
PCB 1248		NA	NA	NA	NA	NA	NA	NA	NA
PCB 1254		NA	NA	NA	NA	NA	NA	NA	NA
PCB 1260		NA	NA	NA	NA	NA	NA	NA	NA

Notes:

NA = Not analyzed/Not available

U = The material was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.

J = The associated numerical value is an estimated quantity

B = For organic data, the analyte is present in the associated method blank as well as in the sample.

** = Results Are Possible Biased High Due To Chromatographic Interference

MDL = Method Detection Limit

* = Each isomer

NL = Not listed

SB = Site Background

[1] NYSDEC Division of Hazardous Waste Remediation TAGM 4046

APPENDIX CA

RETEC'S PHASE II INVESTIGATION (EXTRACT)

PHASE II INVESTIGATION OF THE EAST ROME BUSINESS PARK CORE AREA ROME, NEW YORK

Prepared for:

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
City Hall
Rome, NY 13340

Prepared By:
REMEDIATION TECHNOLOGIES, INC.
Ithaca, New York

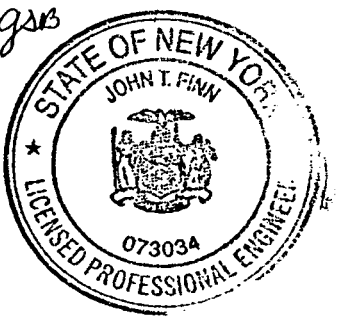
RETEC Project No. 3-2294-200

Certification: All activities that comprised this investigation were performed in full accordance with the approved Work Plan.

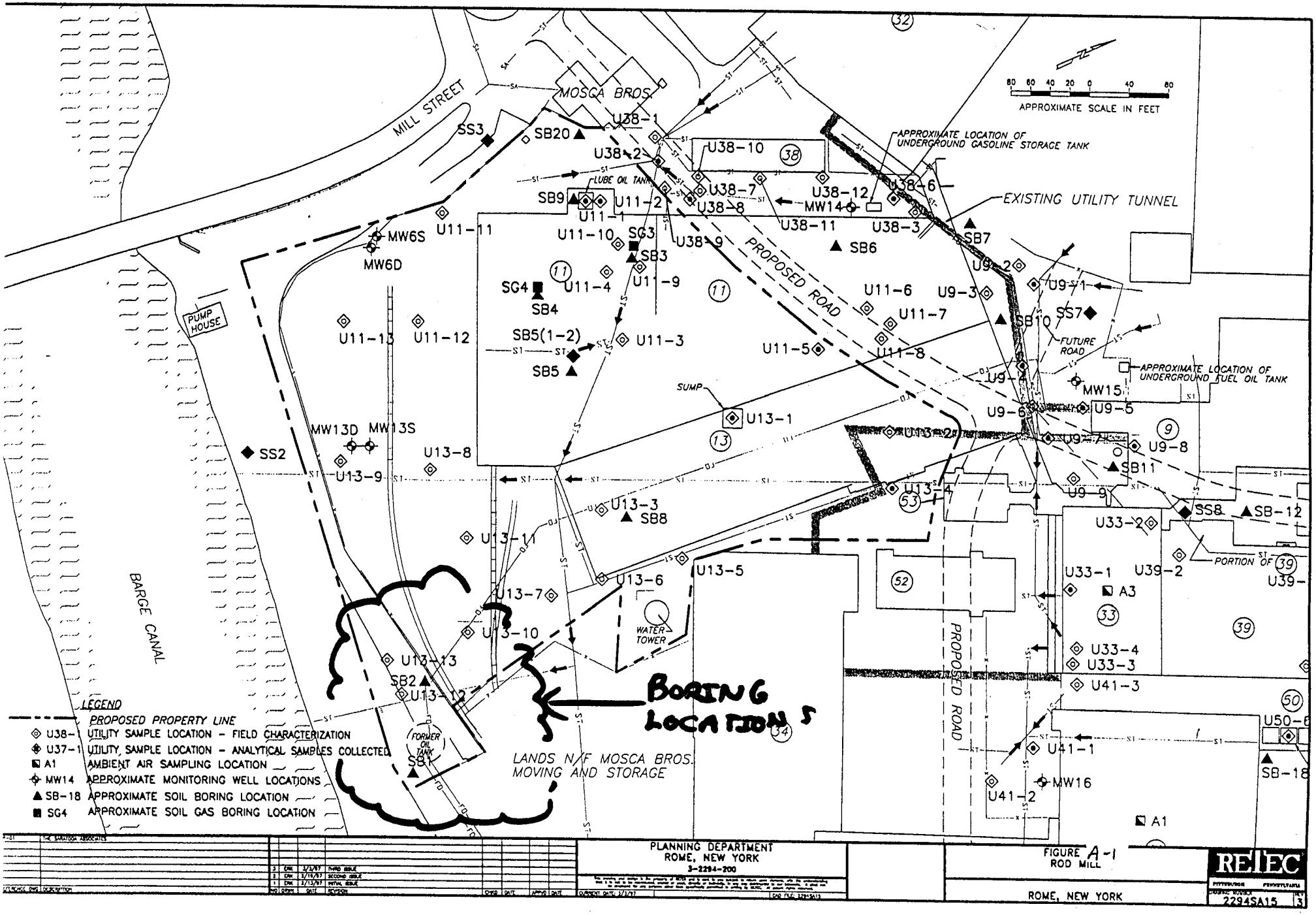
Remediation Technologies, Inc.

Bruce Coulombe/gsb
Bruce Coulombe, Hydrogeologist

John T. Finn
John T. Finn, P.E. Senior Engineer



July, 1997


MOSCA BROS.
MILL STREET
APPROXIMATE SCALE IN FEET
APPROXIMATE LOCATION OF UNDERGROUND GASOLINE STORAGE TANK
EXISTING UTILITY TUNNEL
LUBE OIL TANK
PROPOSED ROAD
PUMP HOUSE
FUTURE ROAD
APPROXIMATE LOCATION OF UNDERGROUND FUEL OIL TANK
SUMP
BARGE CANAL
WATER TOWER
FORMER OIL TANK
PROPOSED ROAD
PORTION OF
BORING LOCATION 5
LANDS N/F MOSCA BROS. MOVING AND STORAGE
LEGEND
PROPOSED PROPERTY LINE
U38-1 UTILITY SAMPLE LOCATION - FIELD CHARACTERIZATION
U37-1 UTILITY SAMPLE LOCATION - ANALYTICAL SAMPLES COLLECTED
A1 AMBIENT AIR SAMPLING LOCATION
MW14 APPROXIMATE MONITORING WELL LOCATIONS
SB-18 APPROXIMATE SOIL BORING LOCATION
SG4 APPROXIMATE SOIL GAS BORING LOCATION
PLANNING DEPARTMENT
ROME, NEW YORK
3-2294-200
FIGURE A-1
ROD MILL
ROME, NEW YORK
REIEC
2294SA15

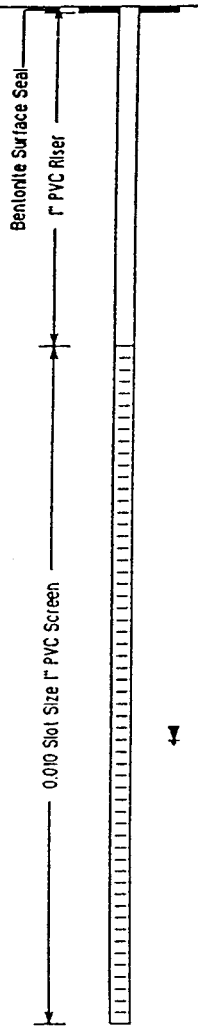
REMEDIATION TECHNOLOGIES, INC.

WELL INSTALLATION LOG
BORING: SB-1

PROJECT NO.: 3-2284-200	DRILLING CO.: Parratt Wolff	MP ELEVATION: NA
CLIENT: Saratoga Associates	DRILLER: Arnold Chapel	SURFACE ELEVATION: NA
LOCATION: General Cable	METHOD: Direct Push	WATER LEVEL DURING DRILLING: 10.81 feet bgs
START DATE: 12/18/98	CASING I.D.: NA	PVC STICK-UP: NA
GEOLOGIST: James Edwards	TOTAL DEPTH: 15.25 feet	AUGER O.D./I.D. 2" Borehole

DEPTH (feet)	SAMPLE TIME	BLOW COUNTS	RECOVERY	PID Headspace (ppm)	SAMPLE DEPTH	SOIL CLASS	LITHOLOGY	DESCRIPTION
								(0-1') Concrete slab.
	0830		40%	0.0		Fill		Fill material consisting of: 20% peat, 60% concrete fragments, 20% brick fragments.
	0843		40%	0.0				Fill material consisting of: 80% gray clayey silt, 20% brick fragments, moist, no odor.
5	0850		40%	0.2				Fill material consisting of: 90% orange clayey silt, 10% brick fragments, moist, no odor.
	0855		50%	18.0		ML		Clayey Silt, 90% silt, gray, firm, hydrocarbon odor and sheen.
						SM		10% gray sand, fine, moist.
	0859		100%	8.0				Sand, very fine, loose, hydrocarbon odor.
10						ML		Clayey Silt, gray and brown in mottled pattern, strong hydrocarbon odor, moist.
	0903		100%	16.0				Clayey Silt, gray and brown in mottled pattern, firm, strong hydrocarbon odor and sheen, wet.
						SM		Sand, gray, medium, well sorted, uniform, strong hydrocarbon odor and sheen, wet.
	0915		80%	7.0				
15						ML		
20								

WELL CONSTRUCTION



REMARKS:

▼ Groundwater level
Sample sent to laboratory for analysis: SB1 (10-12)
SB22 (10-12) duplicate

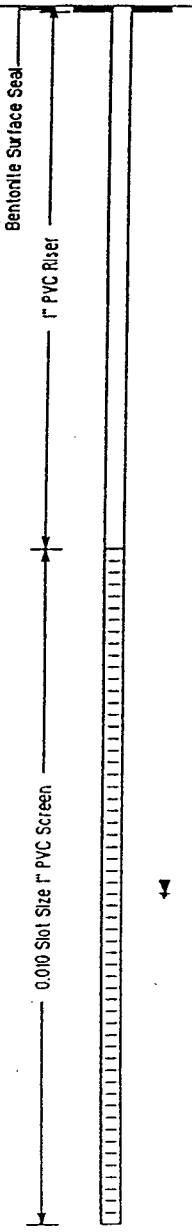
REMEDIATION TECHNOLOGIES, INC.

WELL INSTALLATION LOG
BORING: SB-2

PROJECT NO.: 3-2294-200	DRILLING CO.: Parratt Wolff	MP ELEVATION: NA
CLIENT: Saratoga Associates	DRILLER: Arnold Chapel	SURFACE ELEVATION: NA
LOCATION: General Cable	METHOD: Direct Push	WATER LEVEL DURING DRILLING: 13.10 feet bgs
START DATE: 12/18/98	CASING I.D.: NA	PVC STICK-UP: NA
GEOLOGIST: James Edwards	TOTAL DEPTH: 17.60 feet	AUGER O.D./I.D. 2" Borehole

DEPTH (feet)	SAMPLE TIME	BLOW COUNTS	RECOVERY	PID Headspace (ppm)	SAMPLE DEPTH	SOIL CLASS	LITHOLOGY	DESCRIPTION
								Asphalt 6", Concrete 6".
	0946		50%	0.0		Fill		Fill material consisting of: 80% rounded gravel, moist, 10% medium sand, dry, no odor.
	0948		90%	0.0				Fill material consisting of: 90% Clayey Silt, brown, firm, dry, 10% brick fragments, no odor.
5	0952		50%	0.2		ML		Clayey Silt, brown, firm, uniform, trace nodules of orange stain, no odor, moist.
	0958		70%	0.4				Clayey Silt, brown, uniform, firm, slight plasticity, no odor, moist.
	1001		80%	0.1				Clayey Silt, brown, uniform, firm, no odor.
10						SM		Sand 70% medium, brown, no odor, 30% gravel, angular, wet.
	1008		90%	1.2		ML		Clayey Silt, 60% brown, silt, slight plasticity, 40% angular rock fragments, wet, slight hydrocarbon odor.
	1014		20%	12.0				Clayey Silt, brown, firm, hydrocarbon odor, 10% pink sandstone fragments.
15	1020		0%	NA		SM		No recovery, gravel plug in spoon tip.
	1028		100%	42.0				Sand, 50% silt to 17.0' then becomes coarse to medium, poorly sorted, strong hydrocarbon odor and sheen.
20								

WELL CONSTRUCTION



REMARKS:

▼ Groundwater level
Sample sent to laboratory for analysis: SB2 (16-18)

Table B-2
Summary of Subsurface Soil Analytical Results

Name	NYSDEC Recommended Soil Cleanup Objective*	MW14 (0-0.3) 12/11/96	MW15 (1-1.3) 12/11/96	MW16 (1-1.3) 12/12/96	MW17 (0-0.3) 12/10/96	SB1 (10-12) 12/18/96	SB2 (16-18) 12/18/96	SB3 (2-4) 12/19/96	SB4 (1-3) 12/19/96
TOTAL SOLIDS (%)		79.68	84.92	77.72	87.62	72.72	81.99	71.51	77.21
MOISTURE (%)		NA	NA	NA	NA	27.28	18.01	28.49	27.79
T. ORGANIC CARBON (mg/Kg)		NA	NA	NA	NA	NA	NA	NA	NA
Metals (mg/Kg)									
ANTIMONY	SB	7.49	77.7	3.83 U	13.6	3.25 U	3.32 U	3.88 U	16
ARSENIC	7.5 /SB	6.9	72.6	3.2	7	3	4.5	1.7	8.3
BERYLLIUM	0.16 /SB	0.494	0.306	0.844	0.273	0.8	0.425	0.847	0.532
CADMIUM	1 /SB	0.59 U	0.58 U	0.66 U	1.3	0.58 U	0.53 U	0.68 U	0.65 U
CHROMIUM	10 /SB	7.94	46.4	20.6	18.1	19.1	12.4	18.6	13.2
COPPER	25 /SB	491	291	42.6	272	66.7	27.9	771	842
LEAD	SB	106	236	81.5	138	19	3.4	22	27.7
MERCURY	0.1	0.08	0.1	0.06	0.14	0.04	0.018	0.06	0.17
NICKEL	13 /SB	10.8	9.14	30.9	12.5	30	21.7	25	16
SELENIUM	2 /SB	0.59 U	1.5	0.66 U	0.58 U	0.58 U	0.53 U	0.68 U	0.65 U
SILVER	SB	0.714 U	0.681 U	0.821 U	0.588 U	0.696 U	0.833	0.832 U	0.783 U
THALLIUM	SB	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.1 U	1.4 U	1.3 U
ZINC	20 /SB	105	44.5	67.9	171	79.6	44.6	59.7	41.7
PAHs (mg/Kg)									
NAPHTHALENE	13	1.5	0.62	0.32 U	1.3 J	1.1	0.22 J	0.33 U	0.31 U
ACENAPHTHYLENE	41	1.6	0.59 U	0.32 U	0.98 J	0.32 U	0.29 U	0.33 U	0.31 U
ACENAPHTHENE	50	0.35 J	0.59 U	0.32 U	1.4 U	1.1	0.59	0.33 U	0.31 U
FLUORENE	50	0.65 J	0.12 J	0.32 U	1.4 U	1.1	0.57	0.33 U	0.31 U
PHENANTHRENE	50	9	1.3	0.32 U	3.7	2.2	0.96	0.33 U	0.31 U
ANTHRACENE	50	1.5 J	0.59 U	0.32 U	0.68 J	0.11 J	0.29 U	0.33 U	0.31 U
FLUORANTHENE	50	14	0.48 J	0.32 U	6	0.07 J	0.29 U	0.33 U	0.31 U
PYRENE	50	24	0.51 J	0.32 U	7.9	0.36	0.16 J	0.33 U	0.31 U
BENZ(A)ANTHRACENE	0.224 MDL	10	0.29 J	0.32 U	4.9	0.32 U	0.29 U	0.33 U	0.31 U
CHRYSENE	0.4	9.8	0.47 J	0.32 U	5	0.32 U	0.29 U	0.33 U	0.31 U
BENZO(B)FLUORANTHENE	1.1	11 **	0.32 J	0.32 U	6	0.32 U	0.29 U	0.33 U	0.31 U
BENZO(K)FLUORANTHENE	1.1	3.3 **	0.13 J	0.32 U	2.2	0.32 U	0.29 U	0.33 U	0.31 U
BENZO(A)PYRENE	0.061 MDL	8.3 **	0.26 J	0.32 U	4.6	0.32 U	0.29 U	0.33 U	0.31 U
INDENO(1,2,3-CD)PYRENE	3.2	3.4 **	0.59 U	0.32 U	2.2	0.32 U	0.29 U	0.33 U	0.31 U
DIBENZO(A,H)ANTHRACENE	0.014 MDL	1.5 **J	0.59 U	0.32 U	0.87 J	0.32 U	0.29 U	0.33 U	0.31 U
BENZO(GHI)PERYLENE	50	3.8 **	0.59 U	0.32 U	2.3	0.32 U	0.29 U	0.33 U	0.31 U
VOCs (mg/Kg)									
CHLOROMETHANE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
VINYL CHLORIDE	0.2	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
CHLOROETHANE	1.9	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
BROMOMETHANE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
1,1-DICHLOROETHENE	0.4	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.021	0.0108 U
ACETONE	0.2	0.031 U	0.029 U	0.084	0.047 U	0.094	3.811 U	0.056 U	0.054 U
CARBON DISULFIDE	2.7	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.031	0.0108 U
METHYLENE CHLORIDE	0.1	0.007	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.019
TRANS-1,2-DICHLOROETHENE	0.3	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
1,1-DICHLOROETHANE	0.2	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
CIS-1,2-DICHLOROETHENE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
2-BUTANONE (MEK)	0.3	0.031 U	0.029 U	0.032 U	0.047 U	0.053 U	3.811 U	0.056 U	0.054 U
CHLOROFORM	0.3	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
1,1,1-TRICHLOROETHANE	0.8	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
CARBON TETRACHLORIDE	0.6	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
BENZENE	0.06	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.019	0.0108 U
1,2-DICHLOROETHANE	0.1	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
TRICHLOROETHENE	0.7	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.019	0.0108 U
1,2-DICHLOROPROPANE	0.3	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
BROMODICHLOROMETHANE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
CIS-1,3-DICHLOROPROPENE	0.3	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
4-METHYL-2-PENTANONE (MIBK)	1	0.012 U	0.012 U	0.013 U	0.019 U	0.021 U	1.52 U	0.022 U	0.022 U
TOLUENE	1.5	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.022	0.0108 U
TRANS-1,3-DICHLOROPROPENE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
1,1,2-TRICHLOROETHANE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
TETRACHLOROETHENE	1.4	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
2-HEXANONE	NL	0.012 U	0.012 U	0.012 U	0.019 U	0.021 U	1.52 U	0.022 U	0.022 U
DIBROMOCHLOROMETHANE	NA	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
CHLOROBENZENE	1.7	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.013	0.0108 U
ETHYLBENZENE	5.5	0.0062 U	0.006 U	0.006 U	0.0093 U	0.11	0.762 U	0.011 U	0.0108 U
P-XYLENE/M-XYLENE	1.2 *	0.0062 U	0.006 U	0.006 U	0.0093 U	0.16	0.762 U	0.011 U	0.0108 U
O-XYLENE	1.2	0.0062 U	0.006 U	0.006 U	0.0093 U	0.026	0.762 U	0.011 U	0.0108 U
STYRENE	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
BROMOFORM	NL	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
1,1,2,2-TETRACHLOROETHANE	0.6	0.0062 U	0.006 U	0.006 U	0.0093 U	0.01 U	0.762 U	0.011 U	0.0108 U
PCBs (mg/Kg)									
PCB 1016	10	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1221	(Sum of	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1232	all PCBs)	NA	NA	NA	NA	NA	NA	NA	NA
PCB 1242		NA	NA	NA	NA	NA	NA	NA	NA
PCB 1248		NA	NA	NA	NA	NA	NA	NA	NA
PCB 1254		NA	NA	NA	NA	NA	NA	NA	NA
PCB 1260		NA	NA	NA	NA	NA	NA	NA	NA

Notes:

NA = Not analyzed/Not available

U = The material was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.

J = The associated numerical value is an estimated quantity

B = For organic data, the analyte is present in the associated method blank as well as in the sample.

** = Results Are Possible Biased High Due To Chromatographic Interference

MDL = Method Detection Limit

* = Each isomer

NL = Not listed

SB = Site Background

* NYSDEC Division of Hazardous Waste Remediation TAGM 4046

APPENDIX CB

BORING LOGS

JACK EISENBACH ENGINEERING, P.C.
291 GENESEE STREET, UTICA, NEW YORK 13501 · 315-735-1916 · FAX 315-735-6365

BORING LOG

Boring ID B-1
Date: 6/7/00

Project General Cable-Rod Mill
Rome, New York

DEPTH (feet)	PID (ppm)	Sampling Interval	Environmental Observations	Descriptions of Materials	Recovery (inches)	MW Notes
1	ND	0-4'	No staining, no odor	concrete sand and gravel	34"	
2						
3				brown uniform clay		
4						
5	ND	4'-8'	No staining, no odor	brown uniform moist clay	48"	
6						
7						
8						
9	ND	8' - 11'	No staining, no odor	brown moist clay w/ orange tracing	48"	
10						
11						
12	ND	11' - 12'	No staining, no odor	wet med. gravel, mixed with sand, silt and fine gravel		
13	ND	12' - 15'	No staining, no odor	brown moist clay	40"	
14						
15						
16	31.8	15' - 16'	@ 15' staining, petro odor	wet med. gravel mixed with sand, silt and fine gravel, @ 16' coarse grav w/ grey silt		
17	3.9		sheen, odor	coarse gravel w/ sand	14"	
18						
19						
20						

Groundwater Observations: sheen noted @ 16' TOM JULIAN

BORING LOCATION	Notes

JACK EISENBACH ENGINEERING, P.C.

291 GENESEE STREET, UTICA, NEW YORK 13501 · 315-735-1916 · FAX 315-735-6365

BORING LOG

Boring ID B-2 (MW-2)
Date: 6/7/00

Project General Cable-Rod Mill
Rome, New York

DEPTH (feet)	PID (ppm)	Sampling Interval	Environmental Observations	Descriptions of Materials	Recovery (inches)	MW Notes
1	ND	0-4'	No odor, no staining	6" organic top soil -> brown uniform clay with orange tracings	32"	1" O.D. RISER
2						
3						
4						
5	ND	4'-8'	No odor, no staining	brown uniform clay	48"	5'
6						
7						
8						
9	ND	8' - 11'	No odor, no staining	brown uniform moist clay	48"	
10						
11						(0.01) SLOTTED SCREEN 1" O.D.
12	ND	11' - 12'	No odor, no staining	medium gravel w/ sand, silt, fine gravel		
13	3.8	12' - 16'	slight petro odor, no staining	medium gravel w/ sand, fine gravel	12"	
14						
15						
16						
17	17.4	16' - 20'	sheen, petro odor	wet med gravel with fine gravel, sand, silts	30"	
18						
19						
20						20'

Groundwater Observations: sheen on groundwater, water @ 15', no recovery on the water sample TOM JULIAN

BORING LOCATION	Notes

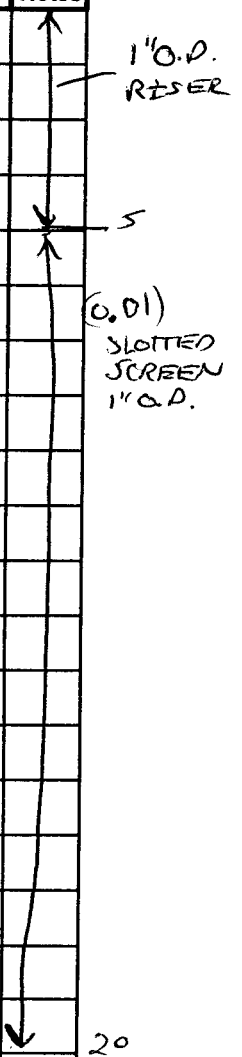
JACK EISENBACH ENGINEERING, P.C.
291 GENESEE STREET, UTICA, NEW YORK 13501 · 315-735-1916 · FAX 315-735-6365

BORING LOG

Boring ID B-3 (MW-3)
Date: 6/7/00

Project General Cable-Rod Mill
Rome, New York

DEPTH (feet)	PID (ppm)	Sampling Interval	Environmental Observations	Descriptions of Materials	Recovery (inches)	MW Notes
1	ND	0-4'	None	concrete -> uniform brn clay w/ silts	28"	
2						
3						
4						
5	ND	4'-8'	None	uniform brown clay, dry	48"	
6						
7						
8						
9	ND	8' - 11'	None	dry brown clay	24"	
10						
11						
12	ND	11' - 12'	None	sand w/ medium gravel		
13	N/A	12' - 16'	None	no recovery	0"	
14						
15						
16						
17	24.0	17' - 20'	visible product, petro odor	wet w/ fine gravel and sand	0"	
18						
19						
20						



Groundwater Observations: TOM JULIAN

BORING LOCATION	Notes

JACK EISENBACH ENGINEERING, P.C.
291 GENESEE STREET, UTICA, NEW YORK 13501 · 315-735-1916 · FAX 315-735-6365

BORING LOG

Boring ID B-4
Date: 6/7/00

Project General Cable-Rod Mill
Rome, New York

DEPTH (feet)	PID (ppm)	Sampling Interval	Environmental Observations	Descriptions of Materials	Recovery (inches)	MW Notes
1	ND	0-4'	None	concrete -> brown clay w/ orange	30"	
2						
3						
4						
5	ND	4' - 7'	None	brown clay	42"	
6						
7						
8	12.8	7' - 8'	staining, petro odor	blue/grey clay		
9	29.4	8' - 9'	None	blue/grey clay w/ med, coarse gravel	48"	
10		9' - 12'	stained to 10'	grey -> brown clay		
11						
12						
13		12' - 16'			0"	
14						
15						
16						
17	11.4	16'-20'	free product, wet petro odor	wet clay, fn to med gravel	14"	
18						
19						
20						

Groundwater Observations: TOM JULIAN

BORING LOCATION	Notes
	sample from 8' - 10' replicated product ~ 14'

JACK EISENBACH ENGINEERING, P.C.
291 GENESEE STREET, UTICA, NEW YORK 13501 · 315-735-1916 · FAX 315-735-6365

BORING LOG

Boring ID B-5
Date: 6/8/00

Project General Cable-Rod Mill
Rome, New York

DEPTH (feet)	PID (ppm)	Sampling Interval	Environmental Observations	Descriptions of Materials	Recovery (inches)	MW Notes
1	ND	0 - 3'	None	clay w/ silts and organics	32"	
2						
3						
4	ND	3' 4'	None	orange crushed brick w/ sand		
5	ND	4' - 7'	None	crushed brick fill	30"	
6						
7						
8	< 1	7' - 8'	petro odor @ 8'	grey uniform clay		
9	61.7	8' - 12'	petro odor, green @ 11.5'	grey uniform clay w/ med round gravel	45"	
10						
11						
12						
13	68.4	12' - 15'	petro odor, sheen	grey sand w/ fn. angular gravel	32"	
14						
15						
16	61.2	15' 16'	petro odor, sheen	rounded med. gravel w/ fn gravel, sand		
17	4.5	16'-20'	strong petro odor, visible sheen	wet, soupy soil silts w/ fn gravel	-	
18						
19						
20						

Groundwater Observations: wet @ 12'

TOM JULIAN

BORING LOCATION	Notes
	too wet to sample

JACK EISENBACH ENGINEERING, P.C.
291 GENESEE STREET, UTICA, NEW YORK 13501 · 315-735-1916 · FAX 315-735-6365

BORING LOG

Boring ID B-6
Date: 6/7/00

Project General Cable-Rod Mill
Rome, New York

DEPTH (feet)	PID (ppm)	Sampling Interval	Environmental Observations	Descriptions of Materials	Recovery (inches)	MW Notes
1	ND	0 - 2'	staining @ 3'	2" top soil -> 4" concrete -> 4" sand -> 2" brick fill -> 4" stained clay -> 2" brick ->	24"	
2						
3	ND	2' - 4'				
4						
5	26.4	4' - 8'	petro odor, staining	uniform grey clay	14"	
6						
7						
8						
9	ND	8' - 11'	None	uniform brown dry clay	45"	
10						
11						
12	43.6	11' - 12'	petro odor, stain	med gravel w/ sand, fn gravel		
13	62.9	12' - 15'	petro odor, stain	med to fine gravel w/ sand	22"	
14						
15						
16						
17		16'-20'			0"	
18						
19						
20						

Groundwater Observations: refusal @ 18'

BORING LOCATION	Notes
	soil sample from 12' - 16' water sample attempted

JACK EISENBACH ENGINEERING, P.C.

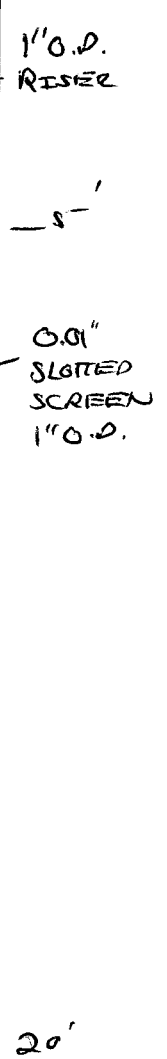
291 GENESEE STREET, UTICA, NEW YORK 13501 · 315-735-1916 · FAX 315-735-6365

BORING LOG

Boring ID B-7 (MW-7)
Date: 6/8/00

Project General Cable-Rod Mill
Rome, New York

DEPTH (feet)	PID (ppm)	Sampling Interval	Environmental Observations	Descriptions of Materials	Recovery (inches)	MW Notes
1	ND	0 - 2'	None	top soil -> concrete	8"	
2						
3						
4						
5	ND	4' - 7'	-	brick fill	24"	
6						
7						
8	22.3	7' - 8'	staining, petro odor	grey clay, wet @ 7'		
9	20.7	8' - 10'	staining, petro odor	grey clay	36"	
10						
11	5.0	10' - 11'	slight odor	brown clay		
12	45.6	11' - 12'	staining, strong petro odor	sand w/ medium, rounded gravel		
13	59.2	12' - 16'	staining, sheen, strong odor	grav, sand, wet		
14						
15						
16						
17	<1	16'-19'	slight odor	wet sand w/ fine ang. gravel	24"	
18						
19						
20		19' - 20'	slight odor	wet med rounded gravel w/ sand fine gravel		



Groundwater Observations: wet @ 7'

TOM JULIAN

BORING LOCATION	Notes

JACK EISENBACH ENGINEERING, P.C.
291 GENESEE STREET, UTICA, NEW YORK 13501 · 315-735-1916 · FAX 315-735-6365

BORING LOG

Boring ID B-8
Date: 6/8/00

Project General Cable-Rod Mill
Rome, New York

DEPTH (feet)	PID (ppm)	Sampling Interval	Environmental Observations	Descriptions of Materials	Recovery (inches)	MW Notes
1	ND	0 - 2'	None	4" concrete -> clay w/ blk fine gravel, brick frag.	32"	
2						
3	37.2	2' - 4'	None	brown clay w/ silt		
4						
5	96.3	4' - 8'	None	uniform brown clay	40"	
6						
7						
8						
9	186.0	8' - 12'	None	uniform brown clay	40"	
10						
11						
12						
13		12' - 16'	sheen, petro odor	uniform brown clay	46"	
14						
15						
16						
17	ND	16'-19'	petro odor	soupy sand w/ fine gravel	24"	
18						
19						
20		19' - 20'	petro odor	sand w/ fine gravel		

Groundwater Observations: wet @ 7'

TOM JOLTAN

BORING LOCATION	Notes
	water samples collected

JACK EISENBACH ENGINEERING, P.C.

291 GENESEE STREET, UTICA, NEW YORK 13501 · 315-735-1916 · FAX 315-735-6365

BORING LOG

Boring ID B-9 (MW-9)
Date: 6/8/00

Project General Cable-Rod Mill
Rome, New York

DEPTH (feet)	PID (ppm)	Sampling Interval	Environmental Observations	Descriptions of Materials	Recovery (inches)	MW Notes
1		0 - 4'	None	6" concrete -> uniform brown clay	18"	
2						
3						
4						
5		4' - 7'	None	uniform brown clay	28"	
6						
7						
8	12.5	7' - 8'	None	brown clay w/ fine gravel, sand		
9	35.7	8' -11'	None	fine gravel w/ medium gravel, sand, clay	24"	
10						
11						
12	23.6	11' - 12'	None	sand w/ fine gravel		
13	43.9	12' -14'	slight odor of petro	sand w/ fine, med gravel		
14						
15	104.9	14' -16'	strong petro odor, visible product	wet sand		
16						
17	43.6	16' - 17'	visible product	wet sand w/ fine gravel	40"	
18	10.4	17' - 18'	slight odor of petro	wet sand w/ md, fn gravel		
19	6.3	18' - 19'	slight odor, no staining	wet sand w/ fine gravel		
20	12.0	19' - 20'	slight petro odor, staining	wet sand w/ round, large gravel		

1" O.D. RISER

0.01" SLOTTED SCREENED 1" O.D.

Groundwater Observations: wet @ 14' TOM JULIAN

BORING LOCATION	Notes

JACK EISENBACH ENGINEERING, P.C.
291 GENESEE STREET, UTICA, NEW YORK 13501· 315·735·1916 · FAX 315·735·6365

BORING LOG

Boring ID B-10
Date: 6/8/00

Project General Cable-Rod Mill
Rome, New York

DEPTH (feet)	PID (ppm)	Sampling Interval	Environmental Observations	Descriptions of Materials	Recovery (inches)	MW Notes
1	ND	0 - 3'	None	6" concrete into pink stone w/ brick, sand material	24"	
2						
3						
4	2.6	3' - 4'	None	brown clay w/ silt		
5	10.2	4' - 8'	None	brown clay w/ silt	28"	
6						
7						
8						
9	15.2	8' - 12'	None	fill: med gravel w/ fine gravel, sand, silt, organic matter, and brick	26"	
10						
11						
12						
13	3.2	12' - 16'	sheen on water, petro odor	medium angular gravel w/ fine gravel, sand, silts, brick	20"	
14						
15						
16						
17		16' - 18'	sheen, odor, staining	soupy silt w/ clay and fn gravel	48"	
18						
19		18' - 20'	product	sand w/ fine gravel		
20						

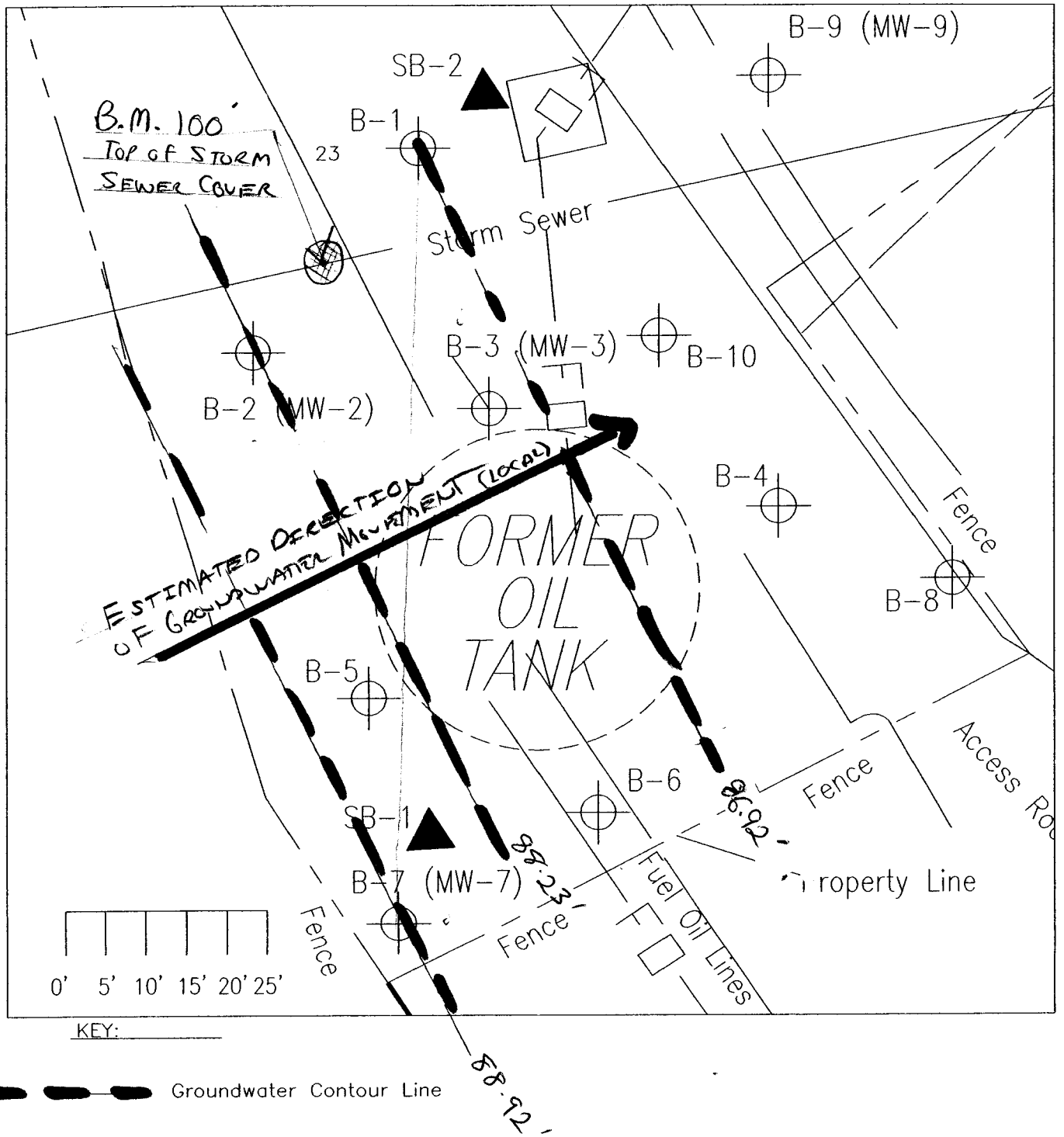
Groundwater Observations: wet @ 11', sheen TOM JULIAN

BORING LOCATION	Notes
	product @ 18.5 '

APPENDIX CC

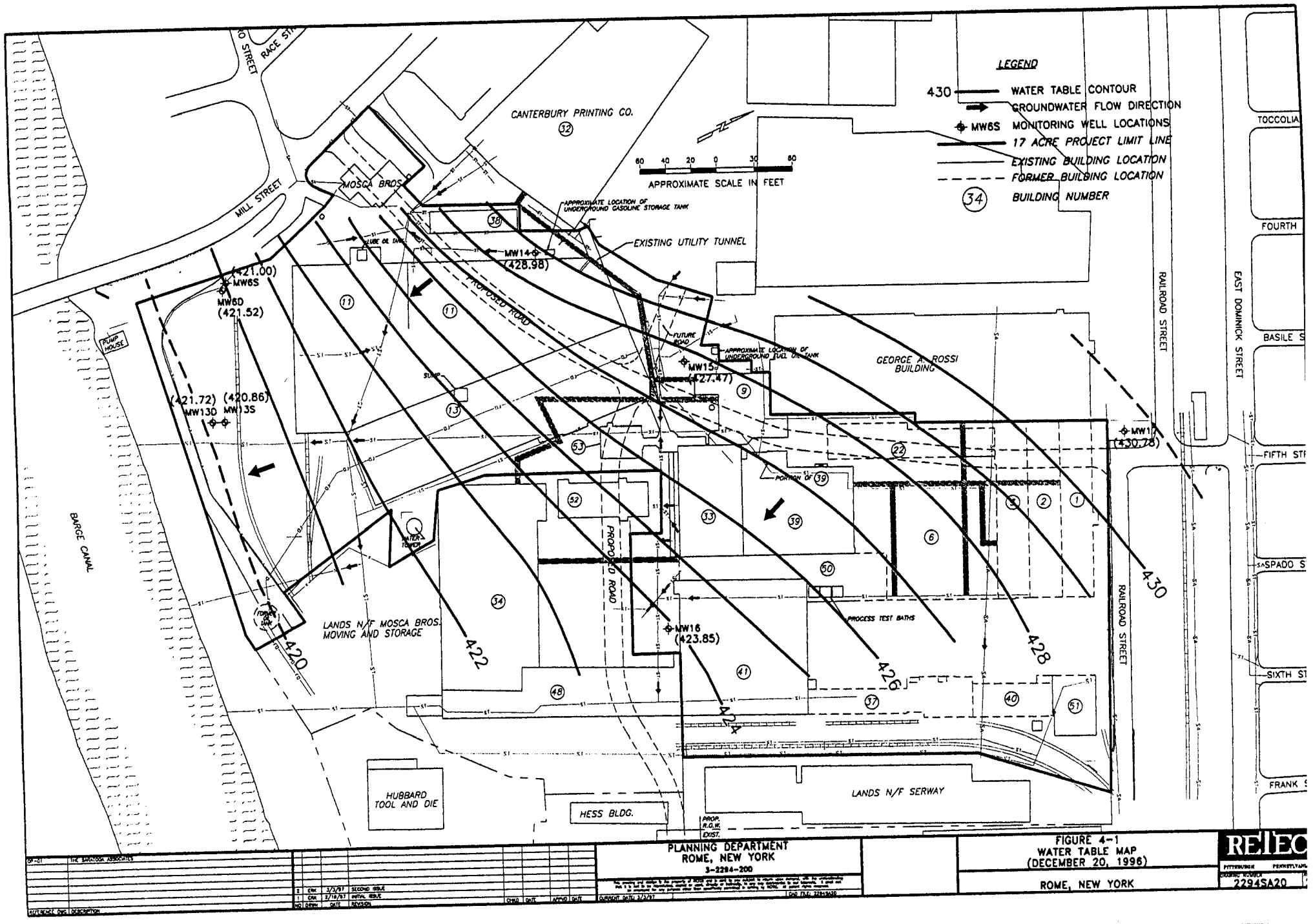
FIGURE CC-1 GROUNDWATER CONTOUR MAP
FIGURE CC-2 RETEC'S GROUNDWATER TABLE MAP 12/20/96
SURVEY DATA AND REDUCTION
GROUNDWATER SAMPLING FIELD LOGS

FIGURE CC-1 GROUNDWATER CONTOUR MAP



JACK EISENBACH ENGINEERING, P.C. 291 Genesee Street, Utica, NY 13501 315-735-1916 168 Carlton Street, Buffalo, NY 14263 716-882-3903	DATE: 4/27/01 DRAWN: MPR NO.: 8514	GENERAL CABLE ROD MILL PARCEL GROUNDWATER CONTOUR MAP	CC1

FIGURE CC-2 RETEC'S GROUNDWATER TABLE MAP 12/20/96



PLANNING DEPARTMENT
ROME, NEW YORK
3-2284-200

FIGURE 4-1
WATER TABLE MAP
(DECEMBER 20, 1996)

ROME, NEW YORK

REIEC

2294SA20

SURVEY DATA AND REDUCTION

Groundwater Survey
General Cable March 16, 2001

STA	BS+	HI	FS-	WELL TOP ELEV.	ADJ. ELEV.	
BM	5.32			100.00		**Well Top elevations from 3/16/01 survey**
TP		105.32				
MW-3 (B-3) (top of casing)			5.08	100.24	(HI-FS=ELEV well top)	
MW-3 (B-3) (ground surface)			5.48	99.84		
MW-2 (B-2) (top of casing)			5.23	100.09		
MW-2 (B-2) (ground surface)			5.83	99.49		
MW-7 (B-7) (top of casing)			4.88	100.44		
MW-7 (B-7) (ground surface)			5.37	99.95		
B-9			4.97	100.35		
B-4			5.02	100.3		
B-8			4.95	100.37		
B-9 MW-(9) -unabable to locate do to extensive snow cover 3' plus						

Depth to Water		**Depth of well**	**Well top elevations**		**Water table elevations**		**Elevation of bottom of well**	
MW-2	12.67	18.88	MW-2	100.9	MW-2	88.23	MW-2	82.02
MW-3	13.32	20.18	MW-3	100.24	MW-3	86.92	MW-3	80.06
MW-7	11.52	19.13	MW-7	100.44	MW-7	88.92	MW-7	81.31

Water Table Elevations Are Relative to Benchmark 100.00'
Benchmark is top of storm water mahole adjacent to B-3

Note: B-9 (MW-9) was not located do to extensive snow cover.

GROUNDWATER SAMPLING FIELD LOGS

EXAMPLE

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SPILL #_____ DATE: 3/16/01

NAME OF SITE: Old General Cable Site Rod Mill Parcel Weather/Temperature: 35 partly Cloudy

SAMPLERS: _____ Time of Arrival: _____ Time of Departure: _____

	B-2 (MW-2)	B-3 (MW-3)	B-7 (MW-7)	MW-4	MW-5
Depth of Well	18.88'	20.18'	19.13		
Depth to Product					
Product Thickness					
Depth to Groundwater	12.67'	13.32'	11.52'		
Sampling Depth *					

* Groundwater should be allowed to recover to orginal elevation prior to sampling

Purging Method: _____

Volume Bailed					

OBSERVATIONS:

color	Gray	Black	Brown		
sheen	Yes	Product	Yes		
odor	Yes	Yes	slight		

Comments: B-3 - Black oil product in well, unable to determine Thickness of layer on water.

APPENDIX CD

SAMPLING RESULTS
LABORATORY RESULT OF ANALYSES
SOIL AND GROUNDWATER

SOIL

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID L51524-1

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-2 (15-16')
DESCRIPTION	COMPOSITE
SAMPLED ON	07-JUN-00 12:00 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	80.7	%		14-JUN-00 00:00	CLP 3.0	00-010-117
EPA 8021						
Benzene	U	ug/kg	11	19-JUN-00 07:10	EPA 8021	00-040-5352
Toluene	U	ug/kg	15	19-JUN-00 07:10	EPA 8021	00-040-5352
Ethylbenzene	U	ug/kg	15	19-JUN-00 07:10	EPA 8021	00-040-5352
p-Xylene/m-Xylene	U	ug/kg	15	19-JUN-00 07:10	EPA 8021	00-040-5352
o-Xylene	U	ug/kg	15	19-JUN-00 07:10	EPA 8021	00-040-5352
Isopropylbenzene	U	ug/kg	15	19-JUN-00 07:10	EPA 8021	00-040-5352
n-Propylbenzene	U	ug/kg	15	19-JUN-00 07:10	EPA 8021	00-040-5352
1,3,5-Trimethylbenzene	U	ug/kg	15	19-JUN-00 07:10	EPA 8021	00-040-5352
tert-Butylbenzene	U	ug/kg	15	19-JUN-00 07:10	EPA 8021	00-040-5352
1,2,4-Trimethylbenzene	U	ug/kg	15	19-JUN-00 07:10	EPA 8021	00-040-5352
sec-Butylbenzene	U	ug/kg	15	19-JUN-00 07:10	EPA 8021	00-040-5352
4-Isopropyltoluene	U	ug/kg	15	19-JUN-00 07:10	EPA 8021	00-040-5352
n-Butylbenzene	U	ug/kg	15	19-JUN-00 07:10	EPA 8021	00-040-5352
Naphthalene	360	ug/kg	15	19-JUN-00 07:10	EPA 8021	00-040-5352
Methyl-tert-butyl-ether (MTBE)	U	ug/kg	77	19-JUN-00 07:10	EPA 8021	00-040-5352
Surrogate Recovery:						
PID - Chlorofluorobenzene	75	%				00-040-5352
Analysis Comment:Results Calculated on a dry weight basis.						
EPA 8270						
Naphthalene	U	ug/kg	300	19-JUN-00 13:24	EPA 8270	98-051-11117
Acenaphthylene	U	ug/kg	300	19-JUN-00 13:24	EPA 8270	98-051-11117
Acenaphthene	U	ug/kg	300	19-JUN-00 13:24	EPA 8270	98-051-11117
Fluorene	U	ug/kg	300	19-JUN-00 13:24	EPA 8270	98-051-11117
Phenanthrene	U	ug/kg	300	19-JUN-00 13:24	EPA 8270	98-051-11117
Anthracene	U	ug/kg	300	19-JUN-00 13:24	EPA 8270	98-051-11117
Fluoranthene	U	ug/kg	300	19-JUN-00 13:24	EPA 8270	98-051-11117
Pyrene	U	ug/kg	300	19-JUN-00 13:24	EPA 8270	98-051-11117
Benzo(a)anthracene	U	ug/kg	300	19-JUN-00 13:24	EPA 8270	98-051-11117
Chrysene	U	ug/kg	300	19-JUN-00 13:24	EPA 8270	98-051-11117
Benzo(b)fluoranthene	U	ug/kg	300	19-JUN-00 13:24	EPA 8270	98-051-11117
Benzo(k)fluoranthene	U	ug/kg	300	19-JUN-00 13:24	EPA 8270	98-051-11117
Benzo(a)pyrene	U	ug/kg	300	19-JUN-00 13:24	EPA 8270	98-051-11117
Indeno(1,2,3-cd)pyrene	U	ug/kg	300	19-JUN-00 13:24	EPA 8270	98-051-11117
Dibenzo(a,h)anthracene	U	ug/kg	300	19-JUN-00 13:24	EPA 8270	98-051-11117
Benzo(g,h,i)perylene	U	ug/kg	300	19-JUN-00 13:24	EPA 8270	98-051-11117

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID : L51524-1

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-2 (15-16')
DESCRIPTION	COMPOSITE
SAMPLED ON	07-JUN-00 12:00 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				16-JUN-00 00:00		00-079-27
Surrogate Recovery:						
Nitrobenzene-d5	72	%				98-051-11117
2-Fluorobiphenyl	73	%				98-051-11117
Terphenyl-d14	68	%				98-051-11117

Analysis Comment:Results Calculated on a dry weight basis.

QC 2 NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID : L51524-3

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-4 (8-12)
DESCRIPTION	COMPOSITE
SAMPLED ON	07-JUN-00 11:30 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	85.3	%		14-JUN-00 00:00	CLP 3.0	00-010-117
EPA 8021						
Benzene	40	ug/kg	10	15-JUN-00 08:27	EPA 8021	00-040-5291
Toluene	370	ug/kg	15	15-JUN-00 08:27	EPA 8021	00-040-5291
Ethylbenzene	65	ug/kg	15	15-JUN-00 08:27	EPA 8021	00-040-5291
p-Xylene/m-Xylene	540	ug/kg	15	15-JUN-00 08:27	EPA 8021	00-040-5291
o-Xylene	190	ug/kg	15	15-JUN-00 08:27	EPA 8021	00-040-5291
Isopropylbenzene	U	ug/kg	15	15-JUN-00 08:27	EPA 8021	00-040-5291
n-Propylbenzene	U	ug/kg	15	15-JUN-00 08:27	EPA 8021	00-040-5291
1,3,5-Trimethylbenzene	45	ug/kg	15	15-JUN-00 08:27	EPA 8021	00-040-5291
tert-Butylbenzene	U	ug/kg	15	15-JUN-00 08:27	EPA 8021	00-040-5291
1,2,4-Trimethylbenzene	160	ug/kg	15	15-JUN-00 08:27	EPA 8021	00-040-5291
sec-Butylbenzene	U	ug/kg	15	15-JUN-00 08:27	EPA 8021	00-040-5291
4-Isopropyltoluene	U	ug/kg	15	15-JUN-00 08:27	EPA 8021	00-040-5291
n-Butylbenzene	23	ug/kg	15	15-JUN-00 08:27	EPA 8021	00-040-5291
Naphthalene	U	ug/kg	15	15-JUN-00 08:27	EPA 8021	00-040-5291
Methyl-tert-butyl-ether (MTBE)	U	ug/kg	73	15-JUN-00 08:27	EPA 8021	00-040-5291
Surrogate Recovery:						
PID - Chlorofluorobenzene	82	%				00-040-5291
Analysis Comment:Results Calculated on a dry weight basis.						
EPA 8270						
Naphthalene	U	ug/kg	280	19-JUN-00 10:45	EPA 8270	00-64-1360
Acenaphthylene	U	ug/kg	280	19-JUN-00 10:45	EPA 8270	00-64-1360
Acenaphthene	U	ug/kg	280	19-JUN-00 10:45	EPA 8270	00-64-1360
Fluorene	U	ug/kg	280	19-JUN-00 10:45	EPA 8270	00-64-1360
Phenanthrene	U	ug/kg	280	19-JUN-00 10:45	EPA 8270	00-64-1360
Anthracene	U	ug/kg	280	19-JUN-00 10:45	EPA 8270	00-64-1360
Fluoranthene	U	ug/kg	280	19-JUN-00 10:45	EPA 8270	00-64-1360
Pyrene	U	ug/kg	280	19-JUN-00 10:45	EPA 8270	00-64-1360
Benzo(a)anthracene	U	ug/kg	280	19-JUN-00 10:45	EPA 8270	00-64-1360
Chrysene	U	ug/kg	280	19-JUN-00 10:45	EPA 8270	00-64-1360
Benzo(b)fluoranthene	U	ug/kg	280	19-JUN-00 10:45	EPA 8270	00-64-1360
Benzo(k)fluoranthene	U	ug/kg	280	19-JUN-00 10:45	EPA 8270	00-64-1360
Benzo(a)pyrene	U	ug/kg	280	19-JUN-00 10:45	EPA 8270	00-64-1360
Indeno(1,2,3-cd)pyrene	U	ug/kg	280	19-JUN-00 10:45	EPA 8270	00-64-1360
Dibenzo(a,h)anthracene	U	ug/kg	280	19-JUN-00 10:45	EPA 8270	00-64-1360
Benzo(g,h,i)perylene	U	ug/kg	280	19-JUN-00 10:45	EPA 8270	00-64-1360

QC 2 NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID L51524-3

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-4 (8-12)
DESCRIPTION	COMPOSITE
SAMPLED ON	07-JUN-00 11:30 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				16-JUN-00 00:00		00-079-27
Surrogate Recovery:						
Nitrobenzene-d5	70	%				00-64-1360
2-Fluorobiphenyl	70	%				00-64-1360
Terphenyl-d14	73	%				00-64-1360

Analysis Comment:Results Calculated on a dry weight basis.

QC 2 NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID L51524-4

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-4R (8-12)
DESCRIPTION	COMPOSITE
SAMPLED ON	07-JUN-00 11:00 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	70.9	%		14-JUN-00 00:00	CLP 3.0	00-010-117
EPA 8021						
Benzene	U	ug/kg	96	21-JUN-00 08:09	EPA 8021	00-040-5397
Toluene	U	ug/kg	140	21-JUN-00 08:09	EPA 8021	00-040-5397
Ethylbenzene	U	ug/kg	140	21-JUN-00 08:09	EPA 8021	00-040-5397
p-Xylene/m-Xylene	U	ug/kg	140	21-JUN-00 08:09	EPA 8021	00-040-5397
o-Xylene	U	ug/kg	140	21-JUN-00 08:09	EPA 8021	00-040-5397
Isopropylbenzene	U	ug/kg	140	21-JUN-00 08:09	EPA 8021	00-040-5397
n-Propylbenzene	U	ug/kg	140	21-JUN-00 08:09	EPA 8021	00-040-5397
1,3,5-Trimethylbenzene	870	ug/kg	140	21-JUN-00 08:09	EPA 8021	00-040-5397
tert-Butylbenzene	U	ug/kg	140	21-JUN-00 08:09	EPA 8021	00-040-5397
1,2,4-Trimethylbenzene	1900	ug/kg	140	21-JUN-00 08:09	EPA 8021	00-040-5397
sec-Butylbenzene	300	ug/kg	140	21-JUN-00 08:09	EPA 8021	00-040-5397
4-Isopropyltoluene	U	ug/kg	140	21-JUN-00 08:09	EPA 8021	00-040-5397
n-Butylbenzene	3400	ug/kg	140	21-JUN-00 08:09	EPA 8021	00-040-5397
Naphthalene	4000	ug/kg	140	21-JUN-00 08:09	EPA 8021	00-040-5397
Methyl-tert-butyl-ether (MTBE)	U	ug/kg	690	21-JUN-00 08:09	EPA 8021	00-040-5397
Surrogate Recovery:						
PID - Chlorofluorobenzene	87	%				00-040-5397
Analysis Comment:Results Calculated on a dry weight basis.						
EPA 8270						
Naphthalene	U	ug/kg	330	19-JUN-00 11:39	EPA 8270	00-64-1361
Acenaphthylene	U	ug/kg	330	19-JUN-00 11:39	EPA 8270	00-64-1361
Acenaphthene	540	ug/kg	330	19-JUN-00 11:39	EPA 8270	00-64-1361
Fluorene	790	ug/kg	330	19-JUN-00 11:39	EPA 8270	00-64-1361
Phenanthrene	1000	ug/kg	330	19-JUN-00 11:39	EPA 8270	00-64-1361
Anthracene	U	ug/kg	330	19-JUN-00 11:39	EPA 8270	00-64-1361
Fluoranthene	U	ug/kg	330	19-JUN-00 11:39	EPA 8270	00-64-1361
Pyrene	120 J	ug/kg	330	19-JUN-00 11:39	EPA 8270	00-64-1361
Benzo(a)anthracene	U	ug/kg	330	19-JUN-00 11:39	EPA 8270	00-64-1361
Chrysene	U	ug/kg	330	19-JUN-00 11:39	EPA 8270	00-64-1361
Benzo(b)fluoranthene	U	ug/kg	330	19-JUN-00 11:39	EPA 8270	00-64-1361
Benzo(k)fluoranthene	U	ug/kg	330	19-JUN-00 11:39	EPA 8270	00-64-1361
Benzo(a)pyrene	U	ug/kg	330	19-JUN-00 11:39	EPA 8270	00-64-1361
Indeno(1,2,3-cd)pyrene	U	ug/kg	330	19-JUN-00 11:39	EPA 8270	00-64-1361
Dibenzo(a,h)anthracene	U	ug/kg	330	19-JUN-00 11:39	EPA 8270	00-64-1361
Benzo(g,h,i)perylene	U	ug/kg	330	19-JUN-00 11:39	EPA 8270	00-64-1361

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID L51524-4

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-4R (8-12)
DESCRIPTION	COMPOSITE
SAMPLED ON	07-JUN-00 11:00 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				16-JUN-00 00:00		00-079-27
Surrogate Recovery:						
Nitrobenzene-d5	74	%				00-64-1361
2-Fluorobiphenyl	75	%				00-64-1361
Terphenyl-d14	71	%				00-64-1361

Analysis Comment:Results Calculated on a dry weight basis.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID : L51524-5

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-6 (12-6)
DESCRIPTION	COMPOSITE
SAMPLED ON	07-JUN-00 13:30 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	81.5	%		14-JUN-00 00:00	CLP 3.0	00-010-117
EPA 8021						
Benzene	U	ug/kg	2100	19-JUN-00 08:37	EPA 8021	00-040-5354
Toluene	U	ug/kg	3000	19-JUN-00 08:37	EPA 8021	00-040-5354
Ethylbenzene	U	ug/kg	3000	19-JUN-00 08:37	EPA 8021	00-040-5354
p-Xylene/m-Xylene	U	ug/kg	3000	19-JUN-00 08:37	EPA 8021	00-040-5354
o-Xylene	U	ug/kg	3000	19-JUN-00 08:37	EPA 8021	00-040-5354
Isopropylbenzene	U	ug/kg	3000	19-JUN-00 08:37	EPA 8021	00-040-5354
n-Propylbenzene	U	ug/kg	3000	19-JUN-00 08:37	EPA 8021	00-040-5354
1,3,5-Trimethylbenzene	U	ug/kg	3000	19-JUN-00 08:37	EPA 8021	00-040-5354
tert-Butylbenzene	U	ug/kg	3000	19-JUN-00 08:37	EPA 8021	00-040-5354
1,2,4-Trimethylbenzene	5700	ug/kg	3000	19-JUN-00 08:37	EPA 8021	00-040-5354
sec-Butylbenzene	U	ug/kg	3000	19-JUN-00 08:37	EPA 8021	00-040-5354
4-Isopropyltoluene	U	ug/kg	3000	19-JUN-00 08:37	EPA 8021	00-040-5354
n-Butylbenzene	7300	ug/kg	3000	19-JUN-00 08:37	EPA 8021	00-040-5354
Naphthalene	24000	ug/kg	3000	19-JUN-00 08:37	EPA 8021	00-040-5354
Methyl-tert-butyl-ether (MTBE)	U	ug/kg	15000	19-JUN-00 08:37	EPA 8021	00-040-5354
Surrogate Recovery:						
PID - Chlorofluorobenzene	89	%				00-040-5354
Analysis Comment:Results Calculated on a dry weight basis.						
EPA 8270						
Naphthalene	580	ug/kg	290	19-JUN-00 12:34	EPA 8270	00-64-1362
Acenaphthylene	U	ug/kg	290	19-JUN-00 12:34	EPA 8270	00-64-1362
Acenaphthene	960	ug/kg	290	19-JUN-00 12:34	EPA 8270	00-64-1362
Fluorene	1300	ug/kg	290	19-JUN-00 12:34	EPA 8270	00-64-1362
Phenanthrene	1800	ug/kg	290	19-JUN-00 12:34	EPA 8270	00-64-1362
Anthracene	310	ug/kg	290	19-JUN-00 12:34	EPA 8270	00-64-1362
Fluoranthene	U	ug/kg	290	19-JUN-00 12:34	EPA 8270	00-64-1362
Pyrene	240 J	ug/kg	290	19-JUN-00 12:34	EPA 8270	00-64-1362
Benzo(a)anthracene	U	ug/kg	290	19-JUN-00 12:34	EPA 8270	00-64-1362
Chrysene	U	ug/kg	290	19-JUN-00 12:34	EPA 8270	00-64-1362
Benzo(b)fluoranthene	U	ug/kg	290	19-JUN-00 12:34	EPA 8270	00-64-1362
Benzo(k)fluoranthene	U	ug/kg	290	19-JUN-00 12:34	EPA 8270	00-64-1362
Benzo(a)pyrene	U	ug/kg	290	19-JUN-00 12:34	EPA 8270	00-64-1362
Indeno(1,2,3-cd)pyrene	U	ug/kg	290	19-JUN-00 12:34	EPA 8270	00-64-1362
Dibenzo(a,h)anthracene	U	ug/kg	290	19-JUN-00 12:34	EPA 8270	00-64-1362
Benzo(g,h,i)perylene	U	ug/kg	290	19-JUN-00 12:34	EPA 8270	00-64-1362

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

LAB SAMPLE ID L51524-5

DATE 26-JUN-2000

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-6 (12-6)
DESCRIPTION	COMPOSITE
SAMPLED ON	07-JUN-00 13:30 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				16-JUN-00 00:00		00-079-27
Surrogate Recovery:						
Nitrobenzene-d5	95	%				00-64-1362
2-Fluorobiphenyl	92	%				00-64-1362
Terphenyl-d14	77	%				00-64-1362
Analysis Comment:Results Calculated on a dry weight basis.						

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

GROUNDWATER

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID L51524-8

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-1
DESCRIPTION	GRAB
SAMPLED ON	08-JUN-00 10:30 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8021						
Benzene	U	ug/l	0.7	16-JUN-00 06:19	EPA 8021	00-040-5310
Toluene	U	ug/l	1	16-JUN-00 06:19	EPA 8021	00-040-5310
Ethylbenzene	U	ug/l	1	16-JUN-00 06:19	EPA 8021	00-040-5310
p-Xylene/m-Xylene	U	ug/l	1	16-JUN-00 06:19	EPA 8021	00-040-5310
o-Xylene	U	ug/l	1	16-JUN-00 06:19	EPA 8021	00-040-5310
Isopropylbenzene	U	ug/l	1	16-JUN-00 06:19	EPA 8021	00-040-5310
n-Propylbenzene	U	ug/l	1	16-JUN-00 06:19	EPA 8021	00-040-5310
1,3,5-Trimethylbenzene	U	ug/l	1	16-JUN-00 06:19	EPA 8021	00-040-5310
tert-Butylbenzene	U	ug/l	1	16-JUN-00 06:19	EPA 8021	00-040-5310
1,2,4-Trimethylbenzene	U	ug/l	1	16-JUN-00 06:19	EPA 8021	00-040-5310
sec-Butylbenzene	U	ug/l	1	16-JUN-00 06:19	EPA 8021	00-040-5310
4-Isopropyltoluene	U	ug/l	1	16-JUN-00 06:19	EPA 8021	00-040-5310
n-Butylbenzene	1	ug/l	1	16-JUN-00 06:19	EPA 8021	00-040-5310
Naphthalene	23	ug/l	1	16-JUN-00 06:19	EPA 8021	00-040-5310
Methyl-tert-butyl-ether (MTBE)	U	ug/l	5	16-JUN-00 06:19	EPA 8021	00-040-5310
Surrogate Recovery:						
PID - Chlorofluorobenzene	95	%				00-040-5310
EPA 8270						
Naphthalene	U	ug/l	5	16-JUN-00 19:11	EPA 8270	00-64-1349
Acenaphthylene	U	ug/l	5	16-JUN-00 19:11	EPA 8270	00-64-1349
Acenaphthene	U	ug/l	5	16-JUN-00 19:11	EPA 8270	00-64-1349
Fluorene	U	ug/l	5	16-JUN-00 19:11	EPA 8270	00-64-1349
Phenanthrene	U	ug/l	5	16-JUN-00 19:11	EPA 8270	00-64-1349
Anthracene	U	ug/l	5	16-JUN-00 19:11	EPA 8270	00-64-1349
Fluoranthene	U	ug/l	5	16-JUN-00 19:11	EPA 8270	00-64-1349
Pyrene	U	ug/l	5	16-JUN-00 19:11	EPA 8270	00-64-1349
Benzo(a)anthracene	U	ug/l	5	16-JUN-00 19:11	EPA 8270	00-64-1349
Chrysene	U	ug/l	5	16-JUN-00 19:11	EPA 8270	00-64-1349
Benzo(b)fluoranthene	U	ug/l	5	16-JUN-00 19:11	EPA 8270	00-64-1349
Benzo(k)fluoranthene	U	ug/l	5	16-JUN-00 19:11	EPA 8270	00-64-1349
Benzo(a)pyrene	U	ug/l	5	16-JUN-00 19:11	EPA 8270	00-64-1349
Indeno(1,2,3-cd)pyrene	U	ug/l	5	16-JUN-00 19:11	EPA 8270	00-64-1349
Dibenzo(a,h)anthracene	U	ug/l	5	16-JUN-00 19:11	EPA 8270	00-64-1349
Benzo(g,h,i)perylene	U	ug/l	5	16-JUN-00 19:11	EPA 8270	00-64-1349

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

LAB SAMPLE ID : L51524-8

DATE 26-JUN-2000

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-1
DESCRIPTION	GRAB
SAMPLED ON	08-JUN-00 10:30 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				15-JUN-00 00:00		00-079-26
Surrogate Recovery:						
Nitrobenzene-d5	58	%				00-64-1349
2-Fluorobiphenyl	63	%				00-64-1349
Terphenyl-d14	67	%				00-64-1349

QC ____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 27-JUN-2000

LAB SAMPLE ID : L51524-2

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-3
DESCRIPTION	GRAB
SAMPLED ON	07-JUN-00 11:00 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8021						
Benzene	U	ug/l	18	21-JUN-00 08:53	EPA 8021	00-040-5398
Toluene	U	ug/l	25	21-JUN-00 08:53	EPA 8021	00-040-5398
Ethylbenzene	U	ug/l	25	21-JUN-00 08:53	EPA 8021	00-040-5398
p-Xylene/m-Xylene	U	ug/l	25	21-JUN-00 08:53	EPA 8021	00-040-5398
o-Xylene	U	ug/l	25	21-JUN-00 08:53	EPA 8021	00-040-5398
Isopropylbenzene	U	ug/l	25	21-JUN-00 08:53	EPA 8021	00-040-5398
n-Propylbenzene	U	ug/l	25	21-JUN-00 08:53	EPA 8021	00-040-5398
1,3,5-Trimethylbenzene	U	ug/l	25	21-JUN-00 08:53	EPA 8021	00-040-5398
tert-Butylbenzene	U	ug/l	25	21-JUN-00 08:53	EPA 8021	00-040-5398
1,2,4-Trimethylbenzene	U	ug/l	25	21-JUN-00 08:53	EPA 8021	00-040-5398
sec-Butylbenzene	U	ug/l	25	21-JUN-00 08:53	EPA 8021	00-040-5398
4-Isopropyltoluene	U	ug/l	25	21-JUN-00 08:53	EPA 8021	00-040-5398
n-Butylbenzene	U	ug/l	25	21-JUN-00 08:53	EPA 8021	00-040-5398
Naphthalene	39	ug/l	25	21-JUN-00 08:53	EPA 8021	00-040-5398
Methyl-tert-butyl-ether (MTBE)	U	ug/l	130	21-JUN-00 08:53	EPA 8021	00-040-5398
Surrogate Recovery:						
PID - Chlorofluorobenzene	85	%				00-040-5398
EPA 8270						
›hthalene	400	ug/l	150	23-JUN-00 00:37	EPA 8270	98-051-11174
enaphthylene	U	ug/l	150	23-JUN-00 00:37	EPA 8270	98-051-11174
Acenaphthene	560	ug/l	150	23-JUN-00 00:37	EPA 8270	98-051-11174
Fluorene	680	ug/l	150	23-JUN-00 00:37	EPA 8270	98-051-11174
Phenanthrene	1400	ug/l	150	23-JUN-00 00:37	EPA 8270	98-051-11174
Anthracene	200	ug/l	150	23-JUN-00 00:37	EPA 8270	98-051-11174
Fluoranthene	U	ug/l	150	23-JUN-00 00:37	EPA 8270	98-051-11174
Pyrene	190	ug/l	150	23-JUN-00 00:37	EPA 8270	98-051-11174
Benzo(a)anthracene	U	ug/l	150	23-JUN-00 00:37	EPA 8270	98-051-11174
Chrysene	U	ug/l	150	23-JUN-00 00:37	EPA 8270	98-051-11174
Benzo(b)fluoranthene	U	ug/l	150	23-JUN-00 00:37	EPA 8270	98-051-11174
Benzo(k)fluoranthene	U	ug/l	150	23-JUN-00 00:37	EPA 8270	98-051-11174
Benzo(a)pyrene	U	ug/l	150	23-JUN-00 00:37	EPA 8270	98-051-11174
Indeno(1,2,3-cd)pyrene	U	ug/l	150	23-JUN-00 00:37	EPA 8270	98-051-11174
Dibenzo(a,h)anthracene	U	ug/l	150	23-JUN-00 00:37	EPA 8270	98-051-11174
Benzo(g,h,i)perylene	U	ug/l	150	23-JUN-00 00:37	EPA 8270	98-051-11174

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

'Y: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 27-JUN-2000

LAB SAMPLE ID : L51524-2

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-3
DESCRIPTION	GRAB
SAMPLED ON	07-JUN-00 11:00 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:					21-JUN-00 00:00		00-079-32
Surrogate Recovery:							
Nitrobenzene-d5	200	D	%				98-051-11174
2-Fluorobiphenyl	75		%				98-051-11174
Terphenyl-d14	61		%				98-051-11174

Analysis Comment:Sample received and extracted past holding time.

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

'Y: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID : L51524-7

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-5
DESCRIPTION	GRAB
SAMPLED ON	08-JUN-00 09:00 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8021						
Benzene	U	ug/l	4	22-JUN-00 08:07	EPA 8021	00-040-5420
Toluene	U	ug/l	5	22-JUN-00 08:07	EPA 8021	00-040-5420
Ethylbenzene	U	ug/l	5	22-JUN-00 08:07	EPA 8021	00-040-5420
p-Xylene/m-Xylene	U	ug/l	5	22-JUN-00 08:07	EPA 8021	00-040-5420
o-Xylene	U	ug/l	5	22-JUN-00 08:07	EPA 8021	00-040-5420
Isopropylbenzene	U	ug/l	5	22-JUN-00 08:07	EPA 8021	00-040-5420
n-Propylbenzene	U	ug/l	5	22-JUN-00 08:07	EPA 8021	00-040-5420
1,3,5-Trimethylbenzene	11	ug/l	5	22-JUN-00 08:07	EPA 8021	00-040-5420
tert-Butylbenzene	U	ug/l	5	22-JUN-00 08:07	EPA 8021	00-040-5420
1,2,4-Trimethylbenzene	19	ug/l	5	22-JUN-00 08:07	EPA 8021	00-040-5420
sec-Butylbenzene	U	ug/l	5	22-JUN-00 08:07	EPA 8021	00-040-5420
4-Isopropyltoluene	U	ug/l	5	22-JUN-00 08:07	EPA 8021	00-040-5420
n-Butylbenzene	35	ug/l	5	22-JUN-00 08:07	EPA 8021	00-040-5420
Naphthalene	95	ug/l	5	22-JUN-00 08:07	EPA 8021	00-040-5420
Methyl-tert-butyl-ether (MTBE)	U	ug/l	25	22-JUN-00 08:07	EPA 8021	00-040-5420
Surrogate Recovery:						
PID - Chlorofluorobenzene	74	%				00-040-5420
EPA 8270						
Naphthalene	U	ug/l	5	16-JUN-00 18:16	EPA 8270	00-64-1348
Acenaphthylene	U	ug/l	5	16-JUN-00 18:16	EPA 8270	00-64-1348
Acenaphthene	U	ug/l	5	16-JUN-00 18:16	EPA 8270	00-64-1348
Fluorene	U	ug/l	5	16-JUN-00 18:16	EPA 8270	00-64-1348
Phenanthrene	U	ug/l	5	16-JUN-00 18:16	EPA 8270	00-64-1348
Anthracene	U	ug/l	5	16-JUN-00 18:16	EPA 8270	00-64-1348
Fluoranthene	U	ug/l	5	16-JUN-00 18:16	EPA 8270	00-64-1348
Pyrene	U	ug/l	5	16-JUN-00 18:16	EPA 8270	00-64-1348
Benzo(a)anthracene	U	ug/l	5	16-JUN-00 18:16	EPA 8270	00-64-1348
Chrysene	U	ug/l	5	16-JUN-00 18:16	EPA 8270	00-64-1348
Benzo(b)fluoranthene	U	ug/l	5	16-JUN-00 18:16	EPA 8270	00-64-1348
Benzo(k)fluoranthene	U	ug/l	5	16-JUN-00 18:16	EPA 8270	00-64-1348
Benzo(a)pyrene	U	ug/l	5	16-JUN-00 18:16	EPA 8270	00-64-1348
Indeno(1,2,3-cd)pyrene	U	ug/l	5	16-JUN-00 18:16	EPA 8270	00-64-1348
Dibenzo(a,h)anthracene	U	ug/l	5	16-JUN-00 18:16	EPA 8270	00-64-1348
Benzo(g,h,i)perylene	U	ug/l	5	16-JUN-00 18:16	EPA 8270	00-64-1348

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID : L51524-7

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-5
DESCRIPTION	GRAB
SAMPLED ON	08-JUN-00 09:00 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:					15-JUN-00 00:00		00-079-26
Surrogate Recovery:							
Nitrobenzene-d5	12	*	%				00-64-1348
2-Fluorobiphenyl	15	*	%				00-64-1348
Terphenyl-d14	25	*	%				00-64-1348

Analysis Comment:* Surrogate outside of limits low.

QC ☑ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 27-JUN-2000

LAB SAMPLE ID L51524-6

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-7
DESCRIPTION	GRAB
SAMPLED ON	07-JUN-00 16:30 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8021						
Benzene	U	ug/l	7	21-JUN-00 09:36	EPA 8021	00-040-5399
Toluene	U	ug/l	10	21-JUN-00 09:36	EPA 8021	00-040-5399
Ethylbenzene	U	ug/l	10	21-JUN-00 09:36	EPA 8021	00-040-5399
p-Xylene/m-Xylene	U	ug/l	10	21-JUN-00 09:36	EPA 8021	00-040-5399
o-Xylene	U	ug/l	10	21-JUN-00 09:36	EPA 8021	00-040-5399
Isopropylbenzene	U	ug/l	10	21-JUN-00 09:36	EPA 8021	00-040-5399
n-Propylbenzene	U	ug/l	10	21-JUN-00 09:36	EPA 8021	00-040-5399
1,3,5-Trimethylbenzene	U	ug/l	10	21-JUN-00 09:36	EPA 8021	00-040-5399
tert-Butylbenzene	U	ug/l	10	21-JUN-00 09:36	EPA 8021	00-040-5399
1,2,4-Trimethylbenzene	18	ug/l	10	21-JUN-00 09:36	EPA 8021	00-040-5399
sec-Butylbenzene	U	ug/l	10	21-JUN-00 09:36	EPA 8021	00-040-5399
4-Isopropyltoluene	U	ug/l	10	21-JUN-00 09:36	EPA 8021	00-040-5399
n-Butylbenzene	13	ug/l	10	21-JUN-00 09:36	EPA 8021	00-040-5399
Naphthalene	36	ug/l	10	21-JUN-00 09:36	EPA 8021	00-040-5399
Methyl-tert-butyl-ether (MTBE)	U	ug/l	50	21-JUN-00 09:36	EPA 8021	00-040-5399
Surrogate Recovery:						
PID - Chlorofluorobenzene	88	%				00-040-5399
EPA 8270						
ıphthalene	26	ug/l	5	22-JUN-00 16:10	EPA 8270	00-64-1404
Acenaphthylene	U	ug/l	5	22-JUN-00 16:10	EPA 8270	00-64-1404
Acenaphthene	U	ug/l	5	22-JUN-00 16:10	EPA 8270	00-64-1404
Fluorene	7	ug/l	5	22-JUN-00 16:10	EPA 8270	00-64-1404
Phenanthrene	U	ug/l	5	22-JUN-00 16:10	EPA 8270	00-64-1404
Anthracene	U	ug/l	5	22-JUN-00 16:10	EPA 8270	00-64-1404
Fluoranthene	U	ug/l	5	22-JUN-00 16:10	EPA 8270	00-64-1404
Pyrene	U	ug/l	5	22-JUN-00 16:10	EPA 8270	00-64-1404
Benzo(a)anthracene	U	ug/l	5	22-JUN-00 16:10	EPA 8270	00-64-1404
Chrysene	U	ug/l	5	22-JUN-00 16:10	EPA 8270	00-64-1404
Benzo(b)fluoranthene	U	ug/l	5	22-JUN-00 16:10	EPA 8270	00-64-1404
Benzo(k)fluoranthene	U	ug/l	5	22-JUN-00 16:10	EPA 8270	00-64-1404
Benzo(a)pyrene	U	ug/l	5	22-JUN-00 16:10	EPA 8270	00-64-1404
Indeno(1,2,3-cd)pyrene	U	ug/l	5	22-JUN-00 16:10	EPA 8270	00-64-1404
Dibenzo(a,h)anthracene	U	ug/l	5	22-JUN-00 16:10	EPA 8270	00-64-1404
Benzo(g,h,i)perylene	U	ug/l	5	22-JUN-00 16:10	EPA 8270	00-64-1404

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 27-JUN-2000

LAB SAMPLE ID : L51524-6

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-7
DESCRIPTION	GRAB
SAMPLED ON	07-JUN-00 16:30 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				21-JUN-00 00:00		00-079-32
Surrogate Recovery:						
Nitrobenzene-d5	59	%				00-64-1404
2-Fluorobiphenyl	61	%				00-64-1404
Terphenyl-d14	52	%				00-64-1404

Analysis Comment:Sample received and extracted past holding time.

QC 2 NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

Y: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID : L51524-9

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-8
DESCRIPTION	GRAB
SAMPLED ON	08-JUN-00 13:00 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8021						
Benzene	U	ug/l	0.7	22-JUN-00 00:29	EPA 8021	00-040-5403
Toluene	U	ug/l	1	22-JUN-00 00:29	EPA 8021	00-040-5403
Ethylbenzene	U	ug/l	1	22-JUN-00 00:29	EPA 8021	00-040-5403
p-Xylene/m-Xylene	U	ug/l	1	22-JUN-00 00:29	EPA 8021	00-040-5403
o-Xylene	U	ug/l	1	22-JUN-00 00:29	EPA 8021	00-040-5403
Isopropylbenzene	U	ug/l	1	22-JUN-00 00:29	EPA 8021	00-040-5403
n-Propylbenzene	U	ug/l	1	22-JUN-00 00:29	EPA 8021	00-040-5403
1,3,5-Trimethylbenzene	2	ug/l	1	22-JUN-00 00:29	EPA 8021	00-040-5403
tert-Butylbenzene	U	ug/l	1	22-JUN-00 00:29	EPA 8021	00-040-5403
1,2,4-Trimethylbenzene	5	ug/l	1	22-JUN-00 00:29	EPA 8021	00-040-5403
sec-Butylbenzene	U	ug/l	1	22-JUN-00 00:29	EPA 8021	00-040-5403
4-Isopropyltoluene	U	ug/l	1	22-JUN-00 00:29	EPA 8021	00-040-5403
n-Butylbenzene	5	ug/l	1	22-JUN-00 00:29	EPA 8021	00-040-5403
Naphthalene	U	ug/l	1	22-JUN-00 00:29	EPA 8021	00-040-5403
Methyl-tert-butyl-ether (MTBE)	U	ug/l	5	22-JUN-00 00:29	EPA 8021	00-040-5403
Surrogate Recovery:						
PID - Chlorofluorobenzene	86	%				00-040-5403
EPA 8270						
phthalene	U	ug/l	5	16-JUN-00 20:06	EPA 8270	00-64-1350
enaphthylene	U	ug/l	5	16-JUN-00 20:06	EPA 8270	00-64-1350
Acenaphthene	U	ug/l	5	16-JUN-00 20:06	EPA 8270	00-64-1350
Fluorene	U	ug/l	5	16-JUN-00 20:06	EPA 8270	00-64-1350
Phenanthrene	U	ug/l	5	16-JUN-00 20:06	EPA 8270	00-64-1350
Anthracene	U	ug/l	5	16-JUN-00 20:06	EPA 8270	00-64-1350
Fluoranthene	U	ug/l	5	16-JUN-00 20:06	EPA 8270	00-64-1350
Pyrene	U	ug/l	5	16-JUN-00 20:06	EPA 8270	00-64-1350
Benzo(a)anthracene	U	ug/l	5	16-JUN-00 20:06	EPA 8270	00-64-1350
Chrysene	U	ug/l	5	16-JUN-00 20:06	EPA 8270	00-64-1350
Benzo(b)fluoranthene	U	ug/l	5	16-JUN-00 20:06	EPA 8270	00-64-1350
Benzo(k)fluoranthene	U	ug/l	5	16-JUN-00 20:06	EPA 8270	00-64-1350
Benzo(a)pyrene	U	ug/l	5	16-JUN-00 20:06	EPA 8270	00-64-1350
Indeno(1,2,3-cd)pyrene	U	ug/l	5	16-JUN-00 20:06	EPA 8270	00-64-1350
Dibenzo(a,h)anthracene	U	ug/l	5	16-JUN-00 20:06	EPA 8270	00-64-1350
Benzo(g,h,i)perylene	U	ug/l	5	16-JUN-00 20:06	EPA 8270	00-64-1350

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

Y: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID : L51524-9

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-8
DESCRIPTION	GRAB
SAMPLED ON	08-JUN-00 13:00 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				15-JUN-00 00:00		00-079-26
Surrogate Recovery:						
Nitrobenzene-d5	41	%				00-64-1350
2-Fluorobiphenyl	48	%				00-64-1350
Terphenyl-d14	51	%				00-64-1350

QC 2 NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

Y: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID : L51524-10

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-9
DESCRIPTION	GRAB
SAMPLED ON	08-JUN-00 16:00 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8021						
Benzene	U	ug/l	0.7	22-JUN-00 08:50	EPA 8021	00-040-5421
Toluene	U	ug/l	1	22-JUN-00 08:50	EPA 8021	00-040-5421
Ethylbenzene	U	ug/l	1	22-JUN-00 08:50	EPA 8021	00-040-5421
p-Xylene/m-Xylene	U	ug/l	1	22-JUN-00 08:50	EPA 8021	00-040-5421
o-Xylene	U	ug/l	1	22-JUN-00 08:50	EPA 8021	00-040-5421
Isopropylbenzene	1	ug/l	1	22-JUN-00 08:50	EPA 8021	00-040-5421
n-Propylbenzene	2	ug/l	1	22-JUN-00 08:50	EPA 8021	00-040-5421
1,3,5-Trimethylbenzene	3	ug/l	1	22-JUN-00 08:50	EPA 8021	00-040-5421
tert-Butylbenzene	U	ug/l	1	22-JUN-00 08:50	EPA 8021	00-040-5421
1,2,4-Trimethylbenzene	11	ug/l	1	22-JUN-00 08:50	EPA 8021	00-040-5421
sec-Butylbenzene	9	ug/l	1	22-JUN-00 08:50	EPA 8021	00-040-5421
4-Isopropyltoluene	2	ug/l	1	22-JUN-00 08:50	EPA 8021	00-040-5421
n-Butylbenzene	19	ug/l	1	22-JUN-00 08:50	EPA 8021	00-040-5421
Naphthalene	38	ug/l	1	22-JUN-00 08:50	EPA 8021	00-040-5421
Methyl-tert-butyl-ether (MTBE)	U	ug/l	5	22-JUN-00 08:50	EPA 8021	00-040-5421
Surrogate Recovery:						
PID - Chlorofluorobenzene	87	%				00-040-5421
EPA 8270						
phthalene	U	ug/l	5	16-JUN-00 23:45	EPA 8270	00-64-1354
cenaphthylene	U	ug/l	5	16-JUN-00 23:45	EPA 8270	00-64-1354
Acenaphthene	U	ug/l	5	16-JUN-00 23:45	EPA 8270	00-64-1354
Fluorene	U	ug/l	5	16-JUN-00 23:45	EPA 8270	00-64-1354
Phenanthrene	U	ug/l	5	16-JUN-00 23:45	EPA 8270	00-64-1354
Anthracene	U	ug/l	5	16-JUN-00 23:45	EPA 8270	00-64-1354
Fluoranthene	U	ug/l	5	16-JUN-00 23:45	EPA 8270	00-64-1354
Pyrene	U	ug/l	5	16-JUN-00 23:45	EPA 8270	00-64-1354
Benzo(a)anthracene	U	ug/l	5	16-JUN-00 23:45	EPA 8270	00-64-1354
Chrysene	U	ug/l	5	16-JUN-00 23:45	EPA 8270	00-64-1354
Benzo(b)fluoranthene	U	ug/l	5	16-JUN-00 23:45	EPA 8270	00-64-1354
Benzo(k)fluoranthene	U	ug/l	5	16-JUN-00 23:45	EPA 8270	00-64-1354
Benzo(a)pyrene	U	ug/l	5	16-JUN-00 23:45	EPA 8270	00-64-1354
Indeno(1,2,3-cd)pyrene	U	ug/l	5	16-JUN-00 23:45	EPA 8270	00-64-1354
Dibenzo(a,h)anthracene	U	ug/l	5	16-JUN-00 23:45	EPA 8270	00-64-1354
Benzo(g,h,i)perylene	U	ug/l	5	16-JUN-00 23:45	EPA 8270	00-64-1354

QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID : L51524-10

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-9
DESCRIPTION	GRAB
SAMPLED ON	08-JUN-00 16:00 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:					15-JUN-00 00:00		00-079-26
Surrogate Recovery:							
Nitrobenzene-d5	31	*	%				00-64-1354
2-Fluorobiphenyl	35	*	%				00-64-1354
Terphenyl-d14	35		%				00-64-1354

Analysis Comment:* Surrogate outside of limits low.

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

Y: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID : L51524-11

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-9R
DESCRIPTION	GRAB
SAMPLED ON	08-JUN-00 11:00 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8021						
Benzene	U	ug/l	0.7	22-JUN-00 07:23	EPA 8021	00-040-5419
Toluene	U	ug/l	1	22-JUN-00 07:23	EPA 8021	00-040-5419
Ethylbenzene	U	ug/l	1	22-JUN-00 07:23	EPA 8021	00-040-5419
p-Xylene/m-Xylene	U	ug/l	1	22-JUN-00 07:23	EPA 8021	00-040-5419
o-Xylene	U	ug/l	1	22-JUN-00 07:23	EPA 8021	00-040-5419
Isopropylbenzene	U	ug/l	1	22-JUN-00 07:23	EPA 8021	00-040-5419
n-Propylbenzene	U	ug/l	1	22-JUN-00 07:23	EPA 8021	00-040-5419
1,3,5-Trimethylbenzene	U	ug/l	1	22-JUN-00 07:23	EPA 8021	00-040-5419
tert-Butylbenzene	U	ug/l	1	22-JUN-00 07:23	EPA 8021	00-040-5419
1,2,4-Trimethylbenzene	2	ug/l	1	22-JUN-00 07:23	EPA 8021	00-040-5419
sec-Butylbenzene	U	ug/l	1	22-JUN-00 07:23	EPA 8021	00-040-5419
4-Isopropyltoluene	U	ug/l	1	22-JUN-00 07:23	EPA 8021	00-040-5419
n-Butylbenzene	3	ug/l	1	22-JUN-00 07:23	EPA 8021	00-040-5419
Naphthalene	2	ug/l	1	22-JUN-00 07:23	EPA 8021	00-040-5419
Methyl-tert-butyl-ether (MTBE)	U	ug/l	5	22-JUN-00 07:23	EPA 8021	00-040-5419
Surrogate Recovery:						
PID - Chlorofluorobenzene	82	%				00-040-5419
EPA 8270						
ɒhthalene	U	ug/l	5	17-JUN-00 00:40	EPA 8270	00-64-1355
ɘenaphthylene	U	ug/l	5	17-JUN-00 00:40	EPA 8270	00-64-1355
Acenaphthene	U	ug/l	5	17-JUN-00 00:40	EPA 8270	00-64-1355
Fluorene	U	ug/l	5	17-JUN-00 00:40	EPA 8270	00-64-1355
Phenanthrene	U	ug/l	5	17-JUN-00 00:40	EPA 8270	00-64-1355
Anthracene	U	ug/l	5	17-JUN-00 00:40	EPA 8270	00-64-1355
Fluoranthene	U	ug/l	5	17-JUN-00 00:40	EPA 8270	00-64-1355
Pyrene	U	ug/l	5	17-JUN-00 00:40	EPA 8270	00-64-1355
Benzo(a)anthracene	U	ug/l	5	17-JUN-00 00:40	EPA 8270	00-64-1355
Chrysene	U	ug/l	5	17-JUN-00 00:40	EPA 8270	00-64-1355
Benzo(b)fluoranthene	U	ug/l	5	17-JUN-00 00:40	EPA 8270	00-64-1355
Benzo(k)fluoranthene	U	ug/l	5	17-JUN-00 00:40	EPA 8270	00-64-1355
Benzo(a)pyrene	U	ug/l	5	17-JUN-00 00:40	EPA 8270	00-64-1355
Indeno(1,2,3-cd)pyrene	U	ug/l	5	17-JUN-00 00:40	EPA 8270	00-64-1355
Dibenzo(a,h)anthracene	U	ug/l	5	17-JUN-00 00:40	EPA 8270	00-64-1355
Benzo(g,h,i)perylene	U	ug/l	5	17-JUN-00 00:40	EPA 8270	00-64-1355

QC 2 NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: John A. Kent
Lab Director

Y: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID : L51524-11

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	B-9R
DESCRIPTION	GRAB
SAMPLED ON	08-JUN-00 11:00 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				15-JUN-00 00:00		00-079-26
Surrogate Recovery:						
Nitrobenzene-d5	55	%				00-64-1355
2-Fluorobiphenyl	60	%				00-64-1355
Terphenyl-d14	56	%				00-64-1355

QC R NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

Y: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID L51524-12

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	EQUIPMENT BLANK
DESCRIPTION	GRAB
SAMPLED ON	08-JUN-00 16:30 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8021						
Benzene	U	ug/l	0.7	22-JUN-00 04:26	EPA 8021	00-021-2434
Toluene	U	ug/l	1	22-JUN-00 04:26	EPA 8021	00-021-2434
Ethylbenzene	U	ug/l	1	22-JUN-00 04:26	EPA 8021	00-021-2434
p-Xylene/m-Xylene	U	ug/l	1	22-JUN-00 04:26	EPA 8021	00-021-2434
o-Xylene	U	ug/l	1	22-JUN-00 04:26	EPA 8021	00-021-2434
Isopropylbenzene	U	ug/l	1	22-JUN-00 04:26	EPA 8021	00-021-2434
n-Propylbenzene	U	ug/l	1	22-JUN-00 04:26	EPA 8021	00-021-2434
1,3,5-Trimethylbenzene	U	ug/l	1	22-JUN-00 04:26	EPA 8021	00-021-2434
tert-Butylbenzene	U	ug/l	1	22-JUN-00 04:26	EPA 8021	00-021-2434
1,2,4-Trimethylbenzene	U	ug/l	1	22-JUN-00 04:26	EPA 8021	00-021-2434
sec-Butylbenzene	U	ug/l	1	22-JUN-00 04:26	EPA 8021	00-021-2434
4-Isopropyltoluene	U	ug/l	1	22-JUN-00 04:26	EPA 8021	00-021-2434
n-Butylbenzene	U	ug/l	1	22-JUN-00 04:26	EPA 8021	00-021-2434
Naphthalene	U	ug/l	1	22-JUN-00 04:26	EPA 8021	00-021-2434
Methyl-tert-butyl-ether (MTBE)	U	ug/l	5	22-JUN-00 04:26	EPA 8021	00-021-2434
Surrogate Recovery:						
PID - Chlorofluorobenzene	86	%				00-021-2434
EPA 8270						
Naphthalene	U	ug/l	7	16-JUN-00 21:01	EPA 8270	00-64-1351
Acenaphthylene	U	ug/l	7	16-JUN-00 21:01	EPA 8270	00-64-1351
Acenaphthene	U	ug/l	7	16-JUN-00 21:01	EPA 8270	00-64-1351
Fluorene	U	ug/l	7	16-JUN-00 21:01	EPA 8270	00-64-1351
Phenanthrene	U	ug/l	7	16-JUN-00 21:01	EPA 8270	00-64-1351
Anthracene	U	ug/l	7	16-JUN-00 21:01	EPA 8270	00-64-1351
Fluoranthene	U	ug/l	7	16-JUN-00 21:01	EPA 8270	00-64-1351
Pyrene	U	ug/l	7	16-JUN-00 21:01	EPA 8270	00-64-1351
Benzo(a)anthracene	U	ug/l	7	16-JUN-00 21:01	EPA 8270	00-64-1351
Chrysene	U	ug/l	7	16-JUN-00 21:01	EPA 8270	00-64-1351
Benzo(b)fluoranthene	U	ug/l	7	16-JUN-00 21:01	EPA 8270	00-64-1351
Benzo(k)fluoranthene	U	ug/l	7	16-JUN-00 21:01	EPA 8270	00-64-1351
Benzo(a)pyrene	U	ug/l	7	16-JUN-00 21:01	EPA 8270	00-64-1351
Indeno(1,2,3-cd)pyrene	U	ug/l	7	16-JUN-00 21:01	EPA 8270	00-64-1351
Dibenzo(a,h)anthracene	U	ug/l	7	16-JUN-00 21:01	EPA 8270	00-64-1351
Benzo(g,h,i)perylene	U	ug/l	7	16-JUN-00 21:01	EPA 8270	00-64-1351

QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

Key: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID : L51524-12

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	EQUIPMENT BLANK
DESCRIPTION	GRAB
SAMPLED ON	08-JUN-00 16:30 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				15-JUN-00 00:00		00-079-26
Surrogate Recovery:						
Nitrobenzene-d5	66	%				00-64-1351
2-Fluorobiphenyl	71	%				00-64-1351
Terphenyl-d14	83	%				00-64-1351

QC 2 NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____
Lab Director

Key: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID : L51524-13

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	FIELD BLANK
DESCRIPTION	GRAB
SAMPLED ON	08-JUN-00 12:00 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8021						
Benzene	U	ug/l	0.7	21-JUN-00 07:26	EPA 8021	00-040-5396
Toluene	U	ug/l	1	21-JUN-00 07:26	EPA 8021	00-040-5396
Ethylbenzene	U	ug/l	1	21-JUN-00 07:26	EPA 8021	00-040-5396
p-Xylene/m-Xylene	U	ug/l	1	21-JUN-00 07:26	EPA 8021	00-040-5396
o-Xylene	U	ug/l	1	21-JUN-00 07:26	EPA 8021	00-040-5396
Isopropylbenzene	U	ug/l	1	21-JUN-00 07:26	EPA 8021	00-040-5396
n-Propylbenzene	U	ug/l	1	21-JUN-00 07:26	EPA 8021	00-040-5396
1,3,5-Trimethylbenzene	U	ug/l	1	21-JUN-00 07:26	EPA 8021	00-040-5396
tert-Butylbenzene	U	ug/l	1	21-JUN-00 07:26	EPA 8021	00-040-5396
1,2,4-Trimethylbenzene	U	ug/l	1	21-JUN-00 07:26	EPA 8021	00-040-5396
sec-Butylbenzene	U	ug/l	1	21-JUN-00 07:26	EPA 8021	00-040-5396
4-Isopropyltoluene	U	ug/l	1	21-JUN-00 07:26	EPA 8021	00-040-5396
n-Butylbenzene	U	ug/l	1	21-JUN-00 07:26	EPA 8021	00-040-5396
Naphthalene	U	ug/l	1	21-JUN-00 07:26	EPA 8021	00-040-5396
Methyl-tert-butyl-ether (MTBE)	U	ug/l	5	21-JUN-00 07:26	EPA 8021	00-040-5396
Surrogate Recovery:						
PID - Chlorofluorobenzene	81	%				00-040-5396
EPA 8270						
›hthalene	U	ug/l	5	16-JUN-00 21:56	EPA 8270	00-64-1352
Acenaphthylene	U	ug/l	5	16-JUN-00 21:56	EPA 8270	00-64-1352
Acenaphthene	U	ug/l	5	16-JUN-00 21:56	EPA 8270	00-64-1352
Fluorene	U	ug/l	5	16-JUN-00 21:56	EPA 8270	00-64-1352
Phenanthrene	U	ug/l	5	16-JUN-00 21:56	EPA 8270	00-64-1352
Anthracene	U	ug/l	5	16-JUN-00 21:56	EPA 8270	00-64-1352
Fluoranthene	U	ug/l	5	16-JUN-00 21:56	EPA 8270	00-64-1352
Pyrene	U	ug/l	5	16-JUN-00 21:56	EPA 8270	00-64-1352
Benzo(a)anthracene	U	ug/l	5	16-JUN-00 21:56	EPA 8270	00-64-1352
Chrysene	U	ug/l	5	16-JUN-00 21:56	EPA 8270	00-64-1352
Benzo(b)fluoranthene	U	ug/l	5	16-JUN-00 21:56	EPA 8270	00-64-1352
Benzo(k)fluoranthene	U	ug/l	5	16-JUN-00 21:56	EPA 8270	00-64-1352
Benzo(a)pyrene	U	ug/l	5	16-JUN-00 21:56	EPA 8270	00-64-1352
Indeno(1,2,3-cd)pyrene	U	ug/l	5	16-JUN-00 21:56	EPA 8270	00-64-1352
Dibenzo(a,h)anthracene	U	ug/l	5	16-JUN-00 21:56	EPA 8270	00-64-1352
Benzo(g,h,i)perylene	U	ug/l	5	16-JUN-00 21:56	EPA 8270	00-64-1352

QC 2 NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

Y: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID : L51524-13

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	GENERAL CABLE
ORIGIN	FIELD BLANK
DESCRIPTION	GRAB
SAMPLED ON	08-JUN-00 12:00 by CLIENT
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				15-JUN-00 00:00		00-079-26
Surrogate Recovery:						
Nitrobenzene-d5	57	%				00-64-1352
2-Fluorobiphenyl	59	%				00-64-1352
Terphenyl-d14	75	%				00-64-1352

QC ✓ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-JUN-2000

LAB SAMPLE ID : L51524-14

Jack Eisenbach Engineering, P.C.
Mark Ruhnke
291 Genesee Street
Utica, NY 13501

SAMPLE SOURCE	FRIEND LABORATORY, INC.
ORIGIN	TRIP BLANK
DESCRIPTION	GRAB
SAMPLED ON	08-JUN-00 12:00 by LAB
DATE RECEIVED	13-JUN-00 10:00
P.O. NO.	8514

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8021						
Benzene	U	ug/l	0.7	16-JUN-00 05:35	EPA 8021	00-040-5309
Toluene	U	ug/l	1	16-JUN-00 05:35	EPA 8021	00-040-5309
Ethylbenzene	U	ug/l	1	16-JUN-00 05:35	EPA 8021	00-040-5309
p-Xylene/m-Xylene	U	ug/l	1	16-JUN-00 05:35	EPA 8021	00-040-5309
o-Xylene	U	ug/l	1	16-JUN-00 05:35	EPA 8021	00-040-5309
Isopropylbenzene	U	ug/l	1	16-JUN-00 05:35	EPA 8021	00-040-5309
n-Propylbenzene	U	ug/l	1	16-JUN-00 05:35	EPA 8021	00-040-5309
1,3,5-Trimethylbenzene	U	ug/l	1	16-JUN-00 05:35	EPA 8021	00-040-5309
tert-Butylbenzene	U	ug/l	1	16-JUN-00 05:35	EPA 8021	00-040-5309
1,2,4-Trimethylbenzene	U	ug/l	1	16-JUN-00 05:35	EPA 8021	00-040-5309
sec-Butylbenzene	U	ug/l	1	16-JUN-00 05:35	EPA 8021	00-040-5309
4-Isopropyltoluene	U	ug/l	1	16-JUN-00 05:35	EPA 8021	00-040-5309
n-Butylbenzene	U	ug/l	1	16-JUN-00 05:35	EPA 8021	00-040-5309
Naphthalene	U	ug/l	1	16-JUN-00 05:35	EPA 8021	00-040-5309
Methyl-tert-butyl-ether (MTBE)	U	ug/l	5	16-JUN-00 05:35	EPA 8021	00-040-5309
Surrogate Recovery:						
PID - Chlorofluorobenzene	99	%				00-040-5309

QC 2 NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

CUSTOMER CODE # ________

CHAIN OF CUSTODY RECORD

FLI FRIEND LABORATORY INC
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: GENERAL CABLE ROD MILL PARCEL

P.O. # P514

Preservatives: Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | HNO_3 pH <2 | H_2SO_4 pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: Jack Eisenbach Eng.
ADDRESS: 291 Genesee St, Utica, NY 13501
PHONE: 3157351916 FAX: 7356765

PROJECT NO. / NAME: Rod Mill Petro Inv.

INVOICE TO:
ADDRESS:

COPY TO:
ADDRESS:

L51524

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER (LAB USE ONLY)
6-7-00 10:30 AM	B-1 15'-16' (DNA - Do not analyze) DNA	2 — Description: Grab (Composite) Other; Matrix: DW WW MW (Soil) Air Other	EPA 8021 & 8270 B/N STARS NYSDEC Appendix B Deliverables	~~-4~~
12:00 PM 6-7-00	B-2 15-16'	2 — Description: Grab (Composite) Other; Matrix: DW WW MW (Soil) Air Other	↓	-1
11:00 6-7-00	B-3	2 3 — Description: (Grab) Composite Other; Matrix: DW WW (MW) Soil Air ~~Other~~	↓	-2
11:30 AM 6-7-00	B-4 7-12'	2 — Description: Grab (Composite) Other; Matrix: DW WW MW (Soil) Air Other	↓	-3

RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER [signature]	6/9/00	[signature]	6-9-00 3:30	All ASP Category B Deliverable
		Tom Jones	6/13/00 10:00	14.8, 13.1, 15.7, 17.0

SUSPECTED CONTAMINATION LEVEL: NONE SLIGHT (MODERATE) HIGH (please circle)

CUSTODY CODE # ______

CHAIN OF CUSTODY RECORD

FLI FRIEND LABORATORY INC
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: General Cable Rod Mill Parcell

P.O. # 8514

Preservatives: Untreated; Sodium thiosulfate; HCl pH <2; Ascorbic acid & HCl pH <2; HNO_3 pH <2; H_2SO_4 pH <2; NaOH pH >12; NaOH & Zinc acetate pH >9; Acetic Buffer pH <3; Sodium sulfite

CLIENT: OTEK
ADDRESS:
PHONE: 315-735-1916 FAX: 735-6360
PROJECT NO. / NAME: Rod Mill Petro Inv

INVOICE TO:
ADDRESS:

COPY TO:
ADDRESS:

L515244

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	LAB USE ONLY
11:00 am 6-7-00	B-4R 8-12'	2 — Description: Grab (Composite) Other; Matrix: DW WW MW (Soil) Air Other	EPA 8021 & 8270 B/N STARS NYSDEC App. Dilucicole	-4
9:00 am 6-8-00	B-5 8-12' DNA	2 — Description: Grab (Composite) Other; Matrix: DW WW MW (Soil) Air Other		
3:30 pm 6-7-00	B-6 12-6'	2 — Description: Grab (Composite) Other; Matrix: DW WW MW (Soil) Air Other		-5
4:30 pm 6-8-00	B-7	2 3 — Description: (Grab) Composite Other; Matrix: DW WW (MW) Soil Air Other		-6

RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER [signature]	6/7/00	[signature]	6-9-00 3:30	
		Toni Jones	6/13/00 10:00	

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT (MODERATE) HIGH (please circle)

CHAIN OF CUSTODY RECORD

FLI FRIEND LABORATORY INC
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: General Castle Rod Mill Parcel

P.O. # 8574

CLIENT: OTEC
ADDRESS:
PHONE: 3153351916 FAX: 3353635
PROJECT NO. / NAME: Rod Mill Petro. Inc.

INVOICE TO:
ADDRESS:

COPY TO:
ADDRESS:

LS1524

Preservatives: Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | HNO_3 pH <2 | H_2SO_4 pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	LAB USE ONLY NUMBER
11°° AM 6-8-00	B-7 11'-12' ONA	2; Description: (Grab) Composite Other; Matrix: DW WW MW (Soil) Air Other	EPA 5021 + 8270 BN STARS, NYDEC App. B. directives	
4.00 6-8-00	B-9 12-14' ONA	2; Description: Grab (Composite) Other; Matrix: DW WW MW (Soil) Air Other	ONA	
9°° AM 6-8-00	B-5	2 3; Description: (Grab) Composite Other; Matrix: DW WW (MW) Soil Air Other	↓	-7
10³⁵ AM 6-7-00	B-1	2 3; Description: (Grab) Composite Other; Matrix: DW WW (MW) Soil Air Other	↓	-8

RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER [signature]	6/9/00	M. Pal	6-9-00 3:30	
		Toni Jones	6/13/00 10:00	

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT (MODERATE) HIGH (please circle)

CUSTOMER CODE # ______

CHAIN OF CUSTODY RECORD

FLI FRIEND LABORATORY INC
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: General Cable Rod Mill Parcell

P.O. # 857H

CLIENT: JTEIZ
ADDRESS:

PHONE: 315 735 1916 FAX: 735 5365

PROJECT NO. / NAME: Rod Mill Petro. Inv.

INVOICE TO:
ADDRESS:

COPY TO:
ADDRESS:

LS1524

Preservatives (number of containers columns): Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | HNO_3 pH <2 | H_2SO_4 pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	LAB USE ONLY NUMBER
100 pm 6-8-00	B-8	Untreated: 2; Sodium thiosulfate: 3. Description: (Grab) Composite Other. Matrix: DW WW (MW) Soil Air Other	EPA 8021 + 8270 B/N STARS NYSDEC A/B dichlorobenzene	-9
400 PM 6-8-00	B-9	Untreated: 2; Sodium thiosulfate: 3. Description: (Grab) Composite Other. Matrix: DW WW (MW) Soil Air Other		-10
405 PM 6-8-00	B-9R	Untreated: 2; Sodium thiosulfate: 3. Description: (Grab) Composite Other. Matrix: DW WW (MW) Soil Air Other		-11
1100 AM 6-8-00	B-10 8-12'	Description: Grab (Composite) Other. Matrix: DW WW MW (Soil) Air Other	DNA	

RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME
SAMPLER [signature]	6/9/00	M. Pal [signature]	6-9-00 3:30
		Tom Jones [signature]	6/13/00 10:00

NOTES TO LABORATORY:

SUSPECTED CONTAMINATION LEVEL

NONE SLIGHT (MODERATE) HIGH (please circle)

CUSTOMER CODE # ________

CHAIN OF CUSTODY RECORD

FLI FRIEND LABORATORY INC
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: General Castle
Rod Mill Parcel
P.O. # 8514

CLIENT: Jack Eisenbach
ADDRESS: 241 [illegible]
[illegible] NY 1350
PHONE: 315 735 1916 FAX: 735 [illegible]

INVOICE ADDRESS:

PROJECT NO. / NAME: Rod Mill Petro Inv.

COPY TO: ADDRESS:

6-13-00

151524

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	Untreated	Sodium thiosulfate	HCl pH <2	Ascorbic acid & HCl pH <2	HNO_3 pH <2	H_2SO_4 pH <2	NaOH pH >12	NaOH & Zinc acetate pH >9	Acetic Buffer pH <3	Sodium sulfite	ANALYSES / TESTS REQUESTED
4:30 6-8-00	EQT Blank	2		3								EPA 8021 + 8270 B/N STARS NYSDEC App. B. dilevrables -12
		Description: **Grab** Composite Other; Matrix: DW WW **MW** Soil Air **Other**										
12:00 6-8-00	Field Blank	2		3								-13
		Description: **Grab** Composite Other; Matrix: DW WW MW Soil Air **Other**										
	Trip Blank	1		3								-14
		Description: **Grab** Composite Other; Matrix: DW WW MW Soil Air **Other**										
		Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other										

RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER [signature]	6/9/00	M. [signature]	6-9-00 3:30	
		Tono Jones	6/13/00 10:00	
				SUSPECTED CONTAMINATION LEVEL: NONE SLIGHT **MODERATE**

Attention Log In:
I forgot to send down the chain of custody for the

BOND, SCHOENECK & KING, LLP

ATTORNEYS AT LAW

111 WASHINGTON AVENUE
ALBANY, NEW YORK 12210-2211
(518) 462-7421

135 DELAWARE AVENUE, SUITE 210
BUFFALO, NEW YORK 14202-2484
(716) 853-7262

130 EAST SECOND STREET
OSWEGO, NEW YORK 13126-2600
(315) 343-9116

358 BROADWAY, SUITE 202
SARATOGA SPRINGS, NEW YORK 12866-3110
(518) 584-7330

ONE LINCOLN CENTER
SYRACUSE, NEW YORK 13202-1355

TELEPHONE (315) 422-0121
VOICE MAIL (315) 423-0104
FAX (315) 422-3598

BARRY R. KOGUT
voice mail ext. 181
kugutb@bsk.com

7500 COLLEGE BOULEVARD, SUITE 910
OVERLAND PARK, KANSAS 66210-4035
(913) 345-8001

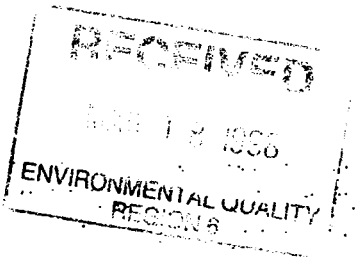
BOND, SCHOENECK & KING, P.A.

1200 NORTH FEDERAL HIGHWAY, SUITE 420
BOCA RATON, FLORIDA 33432-2847
(561) 368-1212

1167 THIRD STREET SOUTH, SUITE 107
NAPLES, FLORIDA 34102-7098
(941) 262-6812

March 16, 1998

Charles E. Sullivan, Jr., Esq.
Chief, State Superfund and Voluntary Cleanup Practice Group
New York State Department of Environmental Conservation
Division of Environmental Enforcement
50 Wolf Road, Room 410A
Albany, New York 12233-5850



Re: East Rome Business Park
Voluntary Remedial Agreement

Dear Charlie:

Enclosed is a copy of a revised Department-Charles Gaetano Voluntary Remedial Agreement (without maps or work plan exhibits) on which I have noted suggested revisions by strikeout and bold typeface. The reasons for substantive changes are set forth in bold italics. As a courtesy, I am also sending copies directly to Darrell and Peter. A computer disk with this draft on WordPerfect 6.1 is also enclosed.

Charles Gaetano and I spoke with Darrell and Peter today to tell them that:

(a) A draft of the Voluntary Remedial Agreement would be coming to you for review;

(b) Mr. Gaetano had retained Running Wolf, Inc. (Perry Jacobs) to remove the underground storage tank (UST) on the Canterbury parcel, but that Mr. Jacobs had notified the Department's Utica office rather than the Watertown office about the removal. Mr. Gaetano wanted Peter to know that he had instructed Mr. Jacobs to call Peter about this work later today;

(c) Jack Eisenbach Engineering in Utica, New York will provide the engineering oversight on the private side of the remedial effort. Mr. Eisenbach's office is located closer to Mr. Gaetano and Mr. Gaetano has worked with Mr. Eisenbach on other

construction projects. Mr. Gaetano will provide Mr. Eisenbach with copies of the draft work plans which Bruce Coulombe of Remediation Technologies prepared earlier this year and Bruce has agreed to forward to Mr. Eisenbach electronic copies of the work plans and drawings which Mr. Eisenbach should review as part of his work.

Mr. Gaetano and I also spoke with Mr. Eisenbach about this matter today and he agreed to accelerate the preparation of revised drafts for Department review.

I will be out of the office from March 18 to March 26, returning on March 27. Perhaps we can meet in Albany sometime the week of March 30 to finalize the draft of the agreement so that it may proceed to public review. In my absence, you can speak to Anthony Pittarelli of my office. Thanks.

Sincerely,

BOND, SCHOENECK & KING, LLP

By: Barry R. Kogut
Barry R. Kogut

Enclosure

cc: Darrell Sweredoski (w/enclosure)
Peter Ouderkirk (w/enclosure)
Charles Gaetano (w/enclosure)
Terresa Bakner (w/enclosure)
Jack Eisenbach (w/enclosure)
Bruce Coulombe (w/o enclosure)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

In the Matter of the
Implementation of a Remedial
Response Program for
the Old General Cable Site
a/k/a the Central Core of the
East Rome Business Park
by

ORDER

Charles A. Gaetano,

(INDEX NUMBER: D6-0001-97-07)

Volunteer.

CONSIDERING,

1. The New York State Department of Environmental Conservation (the "Department") is responsible for enforcement of the Environmental Conservation Law of the State of New York ("ECL"), including, but not limited to, ECL Article 27, Title 13 (entitled "Inactive Hazardous Waste Disposal Sites"), ECL Article 17 (entitled "Water Pollution Control"), and ECL Article 71. The Department also is responsible for the administration and enforcement of Article 12 of the Navigation Law (entitled "Oil Spill Prevention, Control and Compensation") and is otherwise responsible for carrying out the environmental policy of the State pursuant to ECL 3-0301. This Order is issued pursuant to the Department's authority under the foregoing laws and constitutes an administrative settlement for purposes of 42 USC § 9613(f).

2. A. General Cable Corporation formerly owned and operated an approximately 17 acre parcel of property located within a 202 acre Industrial Redevelopment Area in the City of Rome, which is bounded by Railroad Street on the north, property owned by the New York State Canal Corporation adjacent to the Barge Canal on the south and commercial/industrial development to the east and west ("Old General Cable Site" or "Site"). The Site is to be developed as part of the Central Core of what is known as the "East Rome Business Park," for commercial/industrial purposes (the Site's "Contemplated Use").

B. The Old General Cable Site, which is outlined in the map attached as Exhibit A to this Order, was the subject of a Phase 2 investigation conducted by Remediation Technologies, Inc. ("ReTec") on behalf of the City of Rome under a voluntary remedial order - Order # D6-001-96-11 ("Phase 2 Order"). Under cover of its letter dated March 4, 1997, ReTec issued its report on environmental contamination detected in the course of the Phase 2 investigation of the East Rome Business Park Central Core Area. In response to comments by the Department, ReTec submitted a revised Phase 2 report in July of 1997 and the revised report was approved by the Department by its letter dated December 8, 1997.

C. The redevelopment of the Old General Cable Site was the subject of an evaluation for environmental impact conducted by the City as lead agency under the New York State Environmental Quality Review Act ("SEQRA"). On March 26, 1997, the City issued a negative declaration of significant environmental impact in connection with the redevelopment of the Site under the Department's Voluntary Remedial Program.

D. The Old General Cable Site was subdivided into the following seven parcels by approval granted by the City of Rome Planning Board on April 1, 1997 (the "private parcels of the Site"):

- Parcel No. 4 property ("Parcel No. 4 Property") (2.578 acres).
- Railroad Street Property. This property is comprised of three (3) parcels: Parcel No. 3 a/k/a "Bldgs 33/39 Property" - 1.458 acres located to the west of the Parcel No. 4 Property; Parcel No. 2 - 2.019 acres located to the north of the Parcel No. 4 Property; and Parcel No. 1 - 1.500 acres located to the northwest of the Parcel No. 4 Property.
- Rod Mill Property - Parcel No. 5 (6.098 acres) ("Rod Mill Parcel").
- Canterbury Printing Co. of Rome, Inc. ("Canterbury") Property - Parcel No. 6 (0.866 acres) ("Canterbury Parcel").
- Roadway Property - Parcel No. 7 (2.566 acres). On May 6, 1997, the Roadway Property was conveyed by Charles Gaetano to the City of Rome.

A sketch of the subdivided parcels is attached hereto as Exhibit B. Parcels Nos. 1 through 4 are referred to in this Order as the "Northern Redevelopment Area."

3. Charles A. Gaetano ("Volunteer") represents, and for purposes of this Order, the Department relies upon those representations, that:

A. Volunteer's involvement with the Old General Cable Site consists of the following: Volunteer is an individual having an office at 311 Turner Street, Utica, New York 13501; Volunteer presently owns the Old General Cable Site with the exception of the Roadway Property; Volunteer acquired title to the entire Old General Cable Site after General Cable ceased its manufacturing operations, and since that time, has leased the Site to various tenants and has continued to seek redevelopment of the Site for commercial or industrial use.

B. Volunteer has entered into a purchase and sale agreement for the conveyance of the Canterbury Parcel for redevelopment. In the agreement, Volunteer has agreed to undertake the remediation necessary to allow the parcel to be used for commercial/industrial purposes.

4. A. The City of Rome ("Rome") is a municipal corporation and political subdivision of the State of New York. Rome entered into a State Assistance Contract with the Department, dated May 17, 1997, under the Clean Water/Clean Air Bond Act of 1996, pursuant to which it undertook in the summer of 1997 additional investigation to determine the extent of environmental contamination on and from the Roadway Property (the "Site Investigation/Remedial Alternatives Report, Road Right-of-Way Property, East Rome Business Park" or the "SIRAR"). This was done with the objective of having the Department issue a Record of Decision ("ROD") for the Roadway Property so that Rome could proceed with the construction of a new public road and supporting utilities which are designed to promote the private redevelopment of the remainder of the Site.

B. In addition to the SIRAR investigation, ReTec performed additional investigation on Volunteer's behalf on the remaining portions of the Site to address environmental issues raised by the Department following the Phase 2 investigation (the "Supplemental Investigation"). The environmental contamination detected in the course of the Phase 2, SIRAR and Supplemental Investigation work at the private parcels of the Site shall be referred to in this Order as the "Existing Contamination."

C. On November 13, 1997, the Department issued for public comment a Proposed Remedial Action Plan ("PRAP") for the Roadway Property. Following receipt of the public comments, the Department issued its ROD on January 21, 1998.

D. The scope of the required remediation in the Northern Redevelopment Area, the Canterbury Parcel, and the Rod Mill Parcel (with the exception of the petroleum contamination associated with an aboveground storage tank) has been fully defined and is set forth in the work plans attached as Exhibits to this Order.

E. Rome has advised Volunteer that Rome will commit to the Department to undertake the necessary remediation to address "significant threats to the environment" associated with the Roadway Property. Rome has applied for Environmental Restoration Project State assistance to enable it to carry out this responsibility. The Environmental Restoration Project contemplates Rome undertaking certain remedial activities identified in the work plans attached to this Order.

5. A. Volunteer consents to the issuance of this Order in order to resolve his potential liability for remediating the Existing Contamination. The Department finds that such resolution, undertaken in accordance with the terms of this Order, is in the public interest.

B. Volunteer, desirous of implementing a remedial program acceptable to the Department sufficient to allow Volunteer to proceed with the plans to use the private parcels of the Site for redevelopment, consents to the terms and conditions of this Order.

6. The Department published a notice of proposed entry into this Order in the Department's Environmental Notice Bulletin (dated October 14, 1998). It provided written notice to the City of Rome and the County of Oneida of the proposed issuance of this Order and solicited comments from the public and from those local governments on this Order, including the attached Remedial Work Plans.

7. The Department and Volunteer agree that the goals of this Order are:

A. for Volunteer (i) to implement Department-approved investigation and Remedial Work Plans pertaining to the private parcels of the Site under the terms and conditions of this Order with respect to the timing for the performance of the work and possibility of withdrawal, in whole or in part, from the obligations under this Order; and (ii) to reimburse the State's administrative costs as provided in this Order, and

B. for the Department and the Trustee of New York State's natural resources (the "Trustee") to release Volunteer and his heirs, successors and assigns, under the conditions set forth in this Order, from any and all claims, actions, suits, and proceedings by the Department or by the Trustee, which may arise under any applicable law as a result of the Existing Contamination.

8. ~~Volunteer agrees to be bound by the terms of this Order.~~ Volunteer consents to and agrees not to contest the authority or jurisdiction of the Department to issue or enforce this Order, and agrees not to contest the validity of this Order or its terms.

NOW, having considered this matter and being duly advised, IT IS ORDERED THAT:

I. Performance of Investigation and Remediation

A. **Northern Redevelopment Area.**

1. Attached as Exhibit "C" is a copy of a Department-approved work plan for the remediation of the Existing Contamination in the Northern Redevelopment Area (the "Northern Redevelopment Area Work Plan").

2. The parties agree that they will immediately commence negotiations to modify such Work Plan, and will modify such Work Plan, in the event that:

i. contamination previously unknown or inadequately characterized is encountered during such Work Plan's implementation; and

ii. such contamination must be remediated in order to avoid a significant threat to the public health and the environment.

Any such modification(s) shall appear in Exhibit "C-1" and all references to "such Work Plan" in this Subparagraph I.A of this Order shall refer to the one contained in Exhibit "C" or "C-1," as appropriate.

3. i. Volunteer shall carry out such Work Plan in accordance with its terms and notify the Department of any significant difficulties that may be encountered in implementing such Work Plan, any Department-approved modification to such Work Plan, or any Department-approved detail, document, or specification prepared by or on behalf of Volunteer pursuant thereto and this Order.

ii. The Department and Respondent contemplate that, under the terms of its remedial Environmental Restoration Project State Assistance Contract, Rome shall perform certain remedial activities identified in such Work Plan; and if by December 31, 1999, Rome shall not have submitted to the Department a remedial completion report under that State Assistance Contract, Volunteer hereby commits to undertake and complete those remedial activities.

4. ~~During implementation of all construction activities performed by the Volunteer under such Work Plan, Volunteer shall have on-Site a full-time representative who is qualified to supervise the work done.~~

5. i. ~~In accordance with the schedule contained~~ in such Work Plan, Volunteer shall submit to the Department the Northern Redevelopment Area Closure Report. This report shall include a description of all the work performed and a certification that the activities identified in the Work Plan were completed in full accordance with such Work Plan, including any Department-approved modifications to such Work Plan. The certification must be signed and sealed by a professional engineer.

ii. Notwithstanding Subparagraph I.A.5.i of this Order, for remedial activities performed by Rome identified in such Work Plan, Volunteer may submit a copy of the certification that Rome's professional engineer shall submit to the Department under the remedial Environmental Restoration Project State Assistance Contract.

6. Within 30 days after receipt of the Northern Redevelopment Area Closure Report, the Department shall notify Volunteer in writing whether the Department is satisfied with the implementation of such Work Plan, including any Department-approved modifications to such Work Plan. If the Department determines that the activities identified in such Work Plan were not so completed, the Department shall so notify Volunteer in writing and shall specify in detail the respects in which the Department believes that the performance of such activities was deficient. The Department shall include in its notification a period of

time within which Volunteer may correct the specified deficiencies in such activities. Volunteer shall submit a Revised Closure Report for the Northern Redevelopment Area upon the completion of the work required to address the specified deficiencies.

7. If the Department disapproves the Revised Closure Report for the Northern Redevelopment Area, the Department and Volunteer may pursue whatever remedies may be available at law or in equity that may be available to them, without prejudice to either party's right to contest the same.

8. Upon being satisfied that Volunteer performed the remediation work in full accordance with such Work Plan, including any Department-approved modifications to such Work Plan, the Department shall notify Volunteer in writing of its satisfaction and, except for the reservations identified below, the Department and the Trustee release, covenant not to sue, and shall forbear from bringing any action, proceeding, or suit against Volunteer or Volunteer's lessees, sublessees, heirs, successors, assigns, and their respective secured creditors for any further investigation and remediation of the Northern Redevelopment Area, or for natural resources damages, based upon the release or threatened release of any Existing Contamination at the Northern Redevelopment Area, provided that (a) the appropriate notice and deed restriction have been recorded in accordance with Subparagraphs X.A and XI.A of this Order and the Department receives a copy of the deed restriction in accordance with Subparagraph XI.B of this Order, and (b) Volunteer and/or his lessees, sublessees, heirs, successors, and assigns promptly commence and diligently pursue to completion the Department-approved O&M Plan, if any.

9. Notwithstanding Subparagraph I.A.8 of this Order, to the extent a reopener condition exists, the Department and the Trustee hereby reserve all of their respective rights concerning, and such release, covenant not to sue, and forbearance shall not extend to, natural resource damages or any further investigation or remedial action the Department deems necessary to be undertaken. A reopener condition for purposes of this Order shall be:

i. the presence of petroleum, irrespective of whether the information available to Volunteer and the Department at the time of the development of such Work Plan disclosed the existence or potential existence of such presence; or

ii. environmental conditions related to the Northern Redevelopment Area that were unknown to the Department at the time of its approval of such Work Plan which indicate that conditions at the Northern Redevelopment Area are not sufficiently protective of human health and the environment for the Contemplated Use or which indicate that any remaining hazardous wastes disposed at the Northern Redevelopment Area constitute a significant threat to the environment; or

iii. information received, in whole or in part, after the Department's

approval of the Closure Report or Revised Closure Report for the Northern Redevelopment Area, which indicates that the activities identified in such Work Plan performed under this Order are not sufficiently protective of human health and the environment for the Contemplated Use or that any remaining hazardous wastes disposed at the Northern Redevelopment Area constitute a significant threat to the environment; or

iv. Volunteer's failure to implement his obligations under Paragraph VII, IX, or XIII of this Order to the Department's satisfaction; or

v. fraud committed, or mistake made, by Volunteer in demonstrating that the cleanup levels identified in, or to be identified in accordance with, such Work Plan were reached; or

vi. Volunteer causes a, or suffers the, release or threat of release at the Northern Redevelopment Area of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law §172[15]), other than Existing Contamination, after the effective date of this Order; or

vii. Volunteer causes a, or suffers the use of the Northern Redevelopment Area to, change from the Contemplated Use to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment.

10. If the Department is satisfied with the implementation of such Work Plan, the Department shall provide Volunteer with a written "no further action" letter substantially similar to the model letter attached to this Order and incorporated in this Order as Exhibit "D." The "no further action letter" signed by the Department may be filed in the Office of the Oneida County Clerk. Notwithstanding any other provision in this Order to the contrary, the forbearance, covenant not to sue, and release described in Subparagraph I.A.8 and in the "no further action" letter issued under this Subparagraph I.A.10 of this Order shall not extend to parties (other than Volunteer) that were responsible under law before the effective date of this Order to address the Existing Contamination.

11. Notwithstanding any other provision in this Order, if with respect to the Northern Redevelopment Area, there exists or may exist a claim of any kind or nature on the part of the New York State Environmental Protection and Spill Compensation Fund against any party, nothing in this Order shall be construed, or deemed, to preclude the State of New York from recovering such claim.

12. i. Following its written approval of the Closure Report or Revised Closure Report for the Northern Redevelopment Area and the recordation of the appropriate notice and deed restriction in accordance with Subparagraphs X.A and XI.A of this Order, the Department shall immediately initiate the process to redefine the Site to make the Northern

Redevelopment Area a separate site for purposes of the Annual Report.

ii. Following the redefinition of the Site, the Department shall not list the Northern Redevelopment Area on the Registry if, as a result of the implementation of the activities identified in such Work Plan, there remains only an inconsequential amount of hazardous waste disposed at the Northern Redevelopment Area.

B. **Canterbury Parcel.**

1. Attached as Exhibit "E" is a copy of a Department-approved work plan for the remediation of the Existing Contamination in the Canterbury Parcel (the "Canterbury Parcel Work Plan").

2. The parties agree that they will immediately commence negotiations to modify such Work Plan, and will modify such Work Plan, in the event that:

i. contamination previously unknown or inadequately characterized is encountered during such Work Plan's implementation; and

ii. such contamination must be remediated in order to avoid a significant threat to the public health and the environment.

Any such modification(s) shall appear in Exhibit "E-1" and all references to "such Work Plan" in this Subparagraph I.B of this Order shall refer to the one contained in Exhibit "E" or "E-1," as appropriate.

3. i. Volunteer shall carry out such Work Plan in accordance with its terms and notify the Department of any significant difficulties that may be encountered in implementing such Work Plan, any Department-approved modification to such Work Plan, or any Department-approved detail, document, or specification prepared by or on behalf of Volunteer pursuant thereto and this Order.

ii. The Department and Respondent contemplate that, under the terms of its remedial Environmental Restoration Project State Assistance Contract, Rome shall perform certain remedial activities identified in such Work Plan; and if by December 31, 1999, Rome shall not have submitted to the Department a remedial completion report under that State Assistance Contract, Volunteer hereby commits to undertake and complete those remedial activities.

4. During implementation of all construction activities performed by the Volunteer under such Work Plan, Volunteer shall have on-Site a full-time representative who is qualified to supervise the work done.

5. i. In accordance with the schedule contained in such Work Plan, Volunteer shall submit to the Department the Canterbury Parcel Closure Report. This report shall include a description of all the work performed and a certification that the activities identified in the Work Plan were completed in full accordance with such Work Plan, including any Department-approved modifications to such Work Plan. The certification must be signed and sealed by a professional engineer.

ii. Notwithstanding Subparagraph I.B.5.i of this Order, for remedial activities performed by Rome identified in such Work Plan, Volunteer may submit a copy of the certification that Rome's professional engineer shall submit to the Department under the remedial Environmental Restoration Project State Assistance Contract.

6. Within 30 days after receipt of the Canterbury Parcel Closure Report, the Department shall notify Volunteer in writing whether the Department is satisfied with the implementation of such Work Plan, including any Department-approved modifications to such Work Plan. If the Department determines that the activities identified in such Work Plan were not so completed, the Department shall so notify Volunteer in writing and shall specify in detail the respects in which the Department believes that the performance of such activities was deficient. The Department shall include in its notification a period of time within which Volunteer may correct the specified deficiencies in such activities. Volunteer shall submit a Revised Closure Report for the Canterbury Parcel upon the completion of the work required to address the specified deficiencies.

7. If the Department disapproves the Revised Closure Report for the ~~Canterbury Parcel, the Department and Volunteer may pursue whatever remedies may be~~ available at law or in equity that may be available to them, without prejudice to either party's right to contest the same.

8. Upon being satisfied that Volunteer performed the remediation work in full accordance with such Work Plan, including any Department-approved modifications to such Work Plan, the Department shall notify Volunteer in writing of its satisfaction and, except for the reservations identified below, the Department and the Trustee release, covenant not to sue, and shall forbear from bringing any action, proceeding, or suit against Volunteer or Volunteer's lessees, sublessees, heirs, successors, assigns (including Canterbury if it purchases the Canterbury Parcel) and their respective secured creditors for any further investigation and remediation of the Canterbury Parcel, or for natural resources damages, based upon the release or threatened release of any Existing Contamination at the Canterbury Parcel, provided that (a) the appropriate notice and deed restriction have been recorded in accordance with Subparagraphs X.A and XI.C of this Order and the Department receives a copy of the deed restriction in accordance with Subparagraph XI.D of this Order, and (b) Volunteer and/or his lessees, sublessees, heirs, successors, and assigns promptly commence and diligently pursue to completion the Department-approved O&M Plan, if any.

9. Notwithstanding Subparagraph I.B.8 of this Order, to the extent a reopener condition exists, the Department and the Trustee hereby reserve all of their respective rights concerning, and such release, covenant not to sue, and forbearance shall not extend to, natural resource damages or any further investigation or remedial action the Department deems necessary to be undertaken. A reopener condition for purposes of this Order shall be:

i. the presence of petroleum, irrespective of whether the information available to Volunteer and the Department at the time of the development of such Work Plan disclosed the existence or potential existence of such presence; or

ii. environmental conditions related to the Canterbury Parcel that were unknown to the Department at the time of its approval of such Work Plan which indicate that conditions at the Canterbury Parcel are not sufficiently protective of human health and the environment for the Contemplated Use or which indicate that any remaining hazardous wastes disposed at the Canterbury Parcel constitute a significant threat to the environment; or

iii. information received, in whole or in part, after the Department's approval of the Closure Report or Revised Closure Report for the Canterbury Parcel, which indicates that the activities identified in such Work Plan performed under this Order are not sufficiently protective of human health and the environment for the Contemplated Use or that any remaining hazardous wastes disposed at the Canterbury Parcel constitute a significant threat to the environment; or

iv. ~~Volunteer's failure to implement his obligations~~ under Paragraph VII, IX, or XIII of this Order to the Department's satisfaction; or

v. fraud committed, or mistake made, by Volunteer in demonstrating that the cleanup levels identified in, or to be identified in accordance with, such Work Plan were reached; or

vi. Volunteer causes a, or suffers the, release or threat of release at the Canterbury Parcel of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law §172[15]), other than Existing Contamination, after the effective date of this Order; or

vii. Volunteer causes a, or suffers the use of the Canterbury Parcel to, change from the Contemplated Use to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment.

10. If the Department is satisfied with the implementation of such Work Plan, the Department shall provide Volunteer with a written "no further action" letter

substantially similar to the model letter attached to this Order and incorporated in this Order as Exhibit "D." The "no further action letter" signed by the Department may be filed in the Office of the Oneida County Clerk. Notwithstanding any other provision in this Order to the contrary, the forbearance, covenant not to sue, and release described in Subparagraph I.B.8 and in the "no further action" letter issued under this Subparagraph I.B.10 of this Order shall not extend to parties (other than Volunteer) that were responsible under law before the effective date of this Order to address the Existing Contamination.

11. Notwithstanding any other provision in this Order, if with respect to the Canterbury Parcel, there exists or may exist a claim of any kind or nature on the part of the New York State Environmental Protection and Spill Compensation Fund against any party, nothing in this Order shall be construed, or deemed, to preclude the State of New York from recovering such claim.

12. i. Following its written approval of the Closure Report or Revised Closure Report for the Canterbury Parcel and the recordation of the appropriate notice and deed restriction in accordance with Subparagraphs X.A and XI.C of this Order, the Department shall immediately initiate the process to redefine the Site to make the Canterbury Parcel a separate site for purposes of the Annual Report .

ii. Following the redefinition of the Site, the Department shall not list the Canterbury Parcel on the Registry if, as a result of the implementation of the activities identified in such Work Plan, there remains only an inconsequential amount of hazardous waste disposed at the Canterbury Parcel.

C. **Rod Mill Parcel.**

1. Attached as Exhibit "F" is a copy of a Department-approved work plan for the remediation of the Existing Contamination in the Rod Mill Parcel (the "Rod Mill Parcel Work Plan"). For purposes of the Rod Mill Parcel, the term "Existing Contamination" shall be expanded to include the petroleum contamination detected in the course of the investigation specified in the Rod Mill Parcel Work Plan.

2. The parties agree that they will immediately commence negotiations to modify such Work Plan, and will modify such Work Plan, in the event that:

i. contamination previously unknown or inadequately characterized is encountered during such Work Plan's implementation; and

ii. such contamination must be remediated in order to avoid a significant threat to the public health and the environment.

Any such modification(s) shall appear in Exhibit "F-1" and all references to "such Work Plan"

in this Subparagraph I.C of this Order shall refer to the one contained in Exhibit "F" or "F-1," as appropriate.

3. i. Volunteer shall carry out such Work Plan in accordance with its terms and notify the Department of any significant difficulties that may be encountered in implementing such Work Plan, any Department-approved modification to such Work Plan, or any Department-approved detail, document, or specification prepared by or on behalf of Volunteer pursuant thereto and this Order.

ii. The Department and Respondent contemplate that, under the terms of its remedial Environmental Restoration Project State Assistance Contract, Rome shall perform certain remedial activities identified in such Work Plan; and if by December 31, 1999, Rome shall not have submitted to the Department a remedial completion report under that State Assistance Contract, Volunteer hereby commits to undertake and complete those remedial activities.

4. During implementation of all construction activities performed by the Volunteer under such Work Plan, Volunteer shall have on-Site a full-time representative who is qualified to supervise the work done.

5. i. In accordance with the schedule contained in such Work Plan, Volunteer shall submit to the Department the Rod Mill Parcel Closure Report. This report shall include a description of all the work performed and a certification that the activities identified in the Work Plan were completed in full accordance with such Work Plan, including any Department-approved modifications to such Work Plan. The certification must be signed and sealed by a professional engineer.

ii. Notwithstanding Subparagraph I.C.5.i of this Order, for remedial activities performed by Rome identified in such Work Plan, Volunteer may submit a copy of the certification that Rome's professional engineer shall submit to the Department under the remedial Environmental Restoration Project State Assistance Contract.

6. Within 30 days after receipt of the Rod Mill Parcel Closure Report, the Department shall notify Volunteer in writing whether the Department is satisfied with the implementation of such Work Plan, including any Department-approved modifications to such Work Plan. If the Department determines that the activities identified in such Work Plan were not so completed, the Department shall so notify Volunteer in writing and shall specify in detail the respects in which the Department believes that the performance of such activities was deficient. The Department shall include in its notification a period of time within which Volunteer may correct the specified deficiencies in such activities. Volunteer shall submit a Revised Closure Report for the Rod Mill Parcel upon the completion of the work required to address the specified deficiencies.

7. If the Department disapproves the Revised Closure Report for the Rod Mill Parcel, the Department and Volunteer may pursue whatever remedies may be available at law or in equity that may be available to them, without prejudice to either party's right to contest the same.

8. Upon being satisfied that Volunteer performed the remediation work in full accordance with such Work Plan, including any Department-approved modifications to such Work Plan, the Department shall notify Volunteer in writing of its satisfaction and, except for the reservations identified below, the Department and the Trustee release, covenant not to sue, and shall forbear from bringing any action, proceeding, or suit against Volunteer or Volunteer's lessees, sublessees, heirs, successors, assigns and their respective secured creditors, for any further investigation and remediation of the Rod Mill Parcel, or for natural resources damages, based upon the release or threatened release of any Existing Contamination at the Rod Mill Parcel, provided that (a) the appropriate notice and deed restriction have been recorded in accordance with Subparagraphs X.A and XI.E of this Order and the Department receives a copy of the deed restriction in accordance with Subparagraph XI.F of this Order, and (b) Volunteer and/or his lessees, sublessees, heirs, successors, and assigns promptly commence and diligently pursue to completion the Department-approved O&M Plan, if any.

9. Notwithstanding Subparagraph I.C.8 of this Order, to the extent a reopener condition exists, the Department and the Trustee hereby reserve all of their respective rights concerning, and such release, covenant not to sue, and forbearance shall not extend to, natural resource damages or any further investigation or remedial action the Department deems necessary to be undertaken. A reopener condition for purposes of this Order shall be:

i. the presence of petroleum, irrespective of whether the information available to Volunteer and the Department at the time of the development of such Work Plan disclosed the existence or potential existence of such presence; or

ii. environmental conditions related to the Rod Mill Parcel that were unknown to the Department at the time of its approval of such Work Plan which indicate that conditions at the Rod Mill Parcel are not sufficiently protective of human health and the environment for the Contemplated Use or which indicate that any remaining hazardous wastes disposed at the Rod Mill Parcel constitute a significant threat to the environment; or

iii. information received, in whole or in part, after the Department's approval of the Closure Report or Revised Closure Report for the Rod Mill Parcel, which indicates that the activities identified in such Work Plan performed under this Order are not sufficiently protective of human health and the environment for the Contemplated Use or that any remaining hazardous wastes disposed at the Rod Mill Parcel constitute a significant threat

to the environment; or

iv. Volunteer's failure to implement his obligations under Paragraph VII, IX, or XIII of this Order to the Department's satisfaction; or

v. fraud committed, or mistake made, by Volunteer in demonstrating that the cleanup levels identified in, or to be identified in accordance with, such Work Plan were reached; or

vi. Volunteer causes a, or suffers the, release or threat of release at the Rod Mill Parcel of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law §172[15]), other than Existing Contamination, after the effective date of this Order; or

vii. Volunteer causes a, or suffers the use of the Rod Mill Parcel to, change from the Contemplated Use to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment.

10. If the Department is satisfied with the implementation of such Work Plan, the Department shall provide Volunteer with a written "no further action" letter substantially similar to the model letter attached to this Order and incorporated in this Order as Exhibit "D." The "no further action letter" signed by the Department may be filed in the Office of the Oneida County Clerk. Notwithstanding any other provision in this Order to the contrary, the forbearance, covenant not to sue, and release described in Subparagraph I.C.8 and in the "no further action" letter issued under this Subparagraph I.C.10 of this Order shall not extend to parties (other than Volunteer) that were responsible under law before the effective date of this Order to address the Existing Contamination.

11. Notwithstanding any other provision in this Order, if with respect to the Rod Mill Parcel, there exists or may exist a claim of any kind or nature on the part of the New York State Environmental Protection and Spill Compensation Fund against any party, nothing in this Order shall be construed, or deemed, to preclude the State of New York from recovering such claim.

12. i. Following its written approval of the Closure Report or Revised Closure Report for the Rod Mill Parcel and the recordation of the appropriate notice and deed restriction in accordance with Subparagraphs X.A and XI.E of this Order, the Department shall immediately initiate the process to redefine the Site to make the Rod Mill Parcel a separate site for purposes of the Annual Report .

ii. Following the redefinition of the Site, the Department shall not list the Rod Mill Parcel on the Registry if, as a result of the implementation of the activities

identified in such Work Plan, there remains only an inconsequential amount of hazardous waste disposed at the Rod Mill Parcel.

D. **Addendum to the Work Plans.**

Attached as Exhibit G is a copy of an Addendum to the Work Plans which are attached as Exhibits C (Northern Redevelopment Area) , E (Canterbury Parcel) and F (Rod Mill Parcel) to this Agreement (the "Work Plans"). The Department hereby accepts and approves the Addendum which modifies the scope of work for the Work Plans to the extent set forth in the Addendum.

II. Withdrawal from the Order

A. Volunteer may withdraw from his obligations respecting the Northern Redevelopment Area, the Canterbury Parcel, and the Rod Mill Parcel (the three "Redevelopment Areas" subject to this Order), or any of them, under Paragraph I of this Order by giving written notice to the Department no later than 30 days after his receipt of the Department's written approval of Rome's completion of the remediation work required on the Roadway Property.

B. 1. In the event of withdrawal under Subparagraph II.A of this Order for a particular Redevelopment Area, this Order shall, except as otherwise provided in this Subparagraph II.B, terminate and be rendered null and void with respect to the provisions of this Order applicable to the Redevelopment Area concerning which Volunteer has withdrawn. Volunteer's withdrawal for a particular Redevelopment Area shall have no impact on the Department's and Volunteer's rights and obligations under Paragraph I with respect to the remaining Redevelopment Area or Areas.

2. Volunteer's withdrawal under Subparagraph II.A of this Order for a particular Redevelopment Area shall not affect Volunteer's obligation to pay State costs under Paragraph VII of this Order up to the date of withdrawal, nor the Department's enforcement of that obligation under Paragraph V of this Order. The "date of withdrawal" shall be the date of the Department's receipt of Volunteer's notice of withdrawal under Subparagraph II.A of this Order.

3. Volunteer's indemnification obligation under Paragraph IX shall survive the termination of the Order and Volunteer shall be required to leave the Redevelopment Area concerning which Volunteer withdraws from this Order no worse, from an environmental and human health perspective, than when he began his activities under this Order.

C. 1. If the Department determines that a consequential amount of hazardous waste was disposed at any of the private parcels of the Site, the Department will list that parcel in the Annual Report described in ECL 27-1305 as a Class "V" inactive hazardous waste

disposal site. On the basis of the investigation performed to date, none of the hazardous waste found to be disposed at any of the private parcels of the Site constitutes a "significant threat" to the environment as that term is defined under 6 NYCRR Part 375.

2. In the event that the implementation of any of the Remedial Work Plans results in a Department determination that there exists hazardous waste disposed at one of the private parcels at the Site which constitute a "significant threat" to the environment, the Department shall list that parcel as a Class "2" inactive hazardous waste disposal site unless the Volunteer agrees to modify the applicable Remedial Work Plan to remediate that hazardous waste so that it no longer constitutes a "significant threat" to the environment.

III. Progress Reports

A. Volunteer shall submit to the parties identified in Subparagraph XII.A.1, in the numbers specified in that Subparagraph, copies of written monthly progress reports that:

1. describe the actions which have been taken toward achieving compliance with this Order during the previous month;

2. include all results of sampling and tests and all other data received or generated by Volunteer or Volunteer's contractors or agents in the previous month, including quality assurance/quality control information, whether conducted pursuant to this Order or conducted independently by Volunteer;

3. identify all work plans, reports, and other deliverables required by this Order that were completed and submitted during the previous month;

4. describe all actions, including, but not limited to, data collection and implementation of the Redevelopment Area Work Plans that are scheduled for the next month and provide other information relating to the progress of investigation and remedial actions at the Site;

5. include information regarding percentage of completion, unresolved delays encountered or anticipated that may affect the future schedule for implementation of Volunteer's obligations under this Order, and efforts made to mitigate those delays or anticipated delays; and

6. include any modifications to any of the Redevelopment Area Work Plans that Volunteer has proposed to the Department and any that the Department has approved.

B. Volunteer shall submit these progress reports to the Department by the tenth day of every month following the effective date of this Order. Volunteer's obligation to

submit the progress reports shall terminate upon his receipt of the written satisfaction notification for the last Redevelopment Area remediated under the terms of this Order. However, Volunteer shall continue to submit reports concerning the implementation of any O&M Plan that may be required under this Order, in accordance with that Plan's requirements.

IV. Review of Submittals

A. The Department shall review each of the submittals Volunteer makes pursuant to this Order to determine whether it was prepared, and whether the work done to generate the data and other information in the submittal was done, in accordance with this Order and with generally accepted technical and scientific principles. The Department shall notify Volunteer in writing of its approval or disapproval of the submittal. All Department-approved submittals shall be incorporated into and become an enforceable part of this Order.

B. If the Department disapproves a submittal, it shall so notify Volunteer in writing and shall specify the reasons for its disapproval within 30 days after its receipt of the submittal and may request Volunteer to modify or expand the submittal; provided, however, that the matters to be addressed by such modification or expansion are within the specific scope of work as described in the specific Redevelopment Area Work Plan. Within 30 days after receiving written notice that Volunteer's submittal has been disapproved, Volunteer shall make a revised submittal to the Department which endeavors to address and resolve all of the Department's stated reasons for disapproving the first submittal.

C. After receipt of the revised submittal, the Department shall notify Volunteer in writing within 30 days of its approval or disapproval. If the Department disapproves the revised submittal, the Department and the Volunteer may pursue whatever remedies at law or in equity that may be available to them, without prejudice to either party's right to contest the same. If the Department approves the revised submittal, it shall be incorporated into and become an enforceable part of this Order.

V. Enforcement

A. Volunteer's failure to comply with any term of this Order constitutes a violation of this Order and the ECL.

B. Volunteer shall not suffer any penalty under this Order or be subject to any proceeding or action if he cannot comply with any requirement of this Order because of fire, lightning, earthquake, flood, adverse weather conditions, strike, shortages of labor and materials, war, riot, obstruction or interference by adjoining landowners, or any other fact or circumstance beyond Volunteer's reasonable control ("*force majeure* event"). Volunteer shall, within five (5) working days of when he obtains knowledge of any such *force majeure* event, notify the Department in writing. Volunteer shall include in such notice the measures taken

and to be taken by Volunteer to prevent or minimize any delays and shall request an appropriate extension or modification of this Order. Volunteer shall have the burden of proving by a preponderance of the evidence that an event is a defense to compliance with this Order pursuant to Subparagraph V.B of this Order.

VI. Entry upon Site

A. Volunteer shall permit any duly designated officer, employee, consultant, contractor or agent of the Department or any State agency to enter upon the Site or areas in the vicinity of the Site which may be under the control of Volunteer for purposes of inspection, sampling, and testing to assure compliance with this Order.

B. The Department shall abide by the health and safety rules in effect for work performed at the Site under the terms of this Order. Upon request, Volunteer shall permit the Department full access to all records relating to matters addressed in this Order and to job meetings; provided, however, that nothing in this Order shall afford the Department the right to attend or have notice of any internal, informal or strategy meetings at which implementation of this Order is not discussed, or any meetings at which privileged mental impressions, conclusions, opinions or legal theories are anticipated to be discussed or any correspondence or documents which may be held confidential and privileged under applicable New York State law; and further provided that if any results of investigation or data are to be discussed at a meeting during which privileged mental impressions, conclusions, opinions, or legal theories are anticipated to be discussed or if any such results or data are contained in correspondence or documents concerning which a claim of privilege may be asserted, Volunteer shall provide such results and data but need not disclose the privileged mental impressions, conclusions, opinions, or legal theories of counsel or Volunteer's requests for same, as provided under applicable New York State law.

VII. Payment of State Costs

A. Within thirty (30) days after receipt of an itemized invoice from the Department, Volunteer shall pay to the Department a sum of money which shall represent reimbursement for the State's expenses including, but not limited to, direct labor, fringe benefits, indirect costs, travel, analytical costs, and contractor costs incurred by the State of New York for negotiating this Order, reviewing and revising submittals made pursuant to this Order, overseeing activities conducted pursuant to this Order, collecting and analyzing samples, and administrative costs associated with this Order up until the Department's issuance of its written approval of the Closure Report (or Revised Closed Report) of the last Redevelopment Area to be remediated under this Order ("oversight costs").

B. Each such payment shall be made by check, payable to the New York State Department of Environmental Conservation, and sent to the following address:

Bureau of Program Management
Division of Environmental Remediation
New York State Department of Environmental Conservation
50 Wolf Road
Albany, NY 12233-7010

C. Personal service costs shall be documented by reports of Direct Personal Service, which shall identify the employee name, title, biweekly salary, and time spent (in hours) on the project during the billing period, as identified by an assigned time and activity code. Approved agency fringe benefit and indirect cost rates shall be applied. Non-personal service costs shall be summarized by category of expense (*e.g.*, supplies, materials, travel, contractual) and shall be documented by expenditure reports.

D. The Volunteer may object to payment of any portion of the oversight costs and seek reimbursement for costs improperly paid.

VIII. Department Reservation of Rights

A. Except as provided in Subparagraph I.A.8, I.B.8, or I.C.8 of this Order and in any "no further action" letter issued under Subparagraph I.A.10, I.B.10, or I.C.10 of this Order, nothing contained in this Order shall be construed as barring, diminishing, adjudicating, or in any way affecting any of the Department's or Trustee's rights (including, but not limited to, nor exemplified by, the right to recover natural resources damages) with respect to any party, including Volunteer.

B. Nothing contained in this Order shall prejudice any rights of the Department or Trustee to undertake any investigation or remedial action it may deem necessary if Volunteer fails to comply with this Order or if contamination other than Existing Contamination is encountered at the Site.

C. Nothing contained in this Order shall be construed to prohibit the Commissioner or his duly authorized representative from exercising any summary abatement powers.

D. Nothing contained in this Order shall be construed to affect the Department's right to terminate this Order at any time during its implementation if Volunteer fails to comply substantially with this Order's terms and conditions.

E. 1. Except as otherwise provided in this Order, Volunteer specifically reserves all defenses Volunteer may have under applicable law respecting any Department assertion of remedial liability against Volunteer and reserves all rights Volunteer may have respecting the enforcement of this Order, including rights to notice, to be heard, to appeal, and to any other due process.

2. Volunteer's consent to the issuance of this Order and compliance with its terms does not constitute, and shall not be construed as, an admission of liability, fault, or wrongdoing or an admission by Volunteer of law or fact or the applicability of any law to the conditions at the Old General Cable Site and shall not give rise to any presumption of law or finding of fact which shall inure to the benefit of any third party. Volunteer also specifically reserves his rights under applicable law with respect to any position the Department may take with respect to the placement or the characterization of the Old General Cable Site, or any portion of that Site, on the Registry.

IX. Indemnification

Volunteer shall indemnify and hold the Department, the Trustee, the State of New York, and their representatives and employees harmless for all claims, suits, actions, damages, and costs of every name and description arising out of or resulting from the fulfillment or attempted fulfillment of this Order by Volunteer and/or any of Volunteer's employees, servants, agents, heirs, successors, and assigns. Said indemnification shall not include indemnification in any form for gross negligence or willful misconduct on the part of the Department, the State of New York or their representatives and employees.

X. Notice of Sale or Conveyance

A. Within 30 days after the effective date of this Order, Volunteer shall file the Notice of Order, which is attached to this Order as Exhibit "H," with the Oneida County Clerk to give all parties who may acquire any interest in the private parcels of the Site notice of this Order.

B. If Volunteer proposes to convey the whole or any part of Volunteer's ownership interest in private parcels of the Site prior to the completion of required investigation or remedial action in the particular private parcel, Volunteer shall, not fewer than 30 days before the date of conveyance, notify the Department in writing of the identity of the transferee and of the nature and proposed date of the conveyance and shall notify the transferee in writing, with a copy to the Department, of the applicability of this Order. The foregoing requirement for prior notice to the Department shall not apply to Volunteer's transferees of any of the private parcels at the Site.

C. Volunteer's obligation to provide prior notice of transfer under Subparagraph IX.B of the Phase 2 Order shall terminate upon the effective date of this Order.

XI. Deed Restriction

A. Within 30 days of his receipt of the Department's written approval of the Closure Report (or the Revised Closure Report) of the Northern Redevelopment Area, Volunteer shall record an instrument with the Oneida County Clerk, to run with the land for

each of Parcels Nos. 1-4, that:

1. shall prohibit each of the parcels in the Northern Redevelopment Area from ever being used for purposes other than for commercial or industrial use without the express written waiver of such prohibition by the Department, or if at such time the Department shall no longer exist, any New York State department, bureau, or other entity replacing the Department, respecting the parcel in question;

2. shall prohibit the use of the groundwater underlying the parcels in the Northern Redevelopment Area unless the user first obtains permission to do so from the Department, or if at such time the Department shall no longer exist, any New York State department, bureau, or other entity replacing the Department; and

3. shall provide that Volunteer, on behalf of himself and his heirs, successors, and assigns, hereby consents to the enforcement by the Department, or if at such time the Department shall no longer exist, any New York State department, bureau, or other entity replacing the Department, of the prohibitions and restrictions that this Paragraph XI requires to be recorded, and hereby covenants not to contest such enforcement.

B. Volunteer shall provide the Department with a copy of such instrument for each of the parcels in the Northern Core Redevelopment Area certified by the Oneida County Clerk to be a true and faithful copy of the instrument as recorded in the Office of the Oneida County Clerk.

C. Within 30 days of receipt of the Department's written approval of the Closure Report (or the Revised Closure Report) of the Canterbury Parcel, Volunteer shall record an instrument with the Oneida County Clerk, to run with the land, that:

1. shall prohibit the Canterbury Parcel from ever being used for purposes other than for commercial or industrial use without the express written waiver of such prohibition by the Department, or if at such time the Department shall no longer exist, any New York State department, bureau, or other entity replacing the Department, respecting the parcel in question; and

2. shall provide that Volunteer, on behalf of himself and his heirs, successors, and assigns, hereby consents to the enforcement by the Department, or if at such time the Department shall no longer exist, any New York State department, bureau, or other entity replacing the Department, of the prohibitions and restrictions that this Paragraph XI requires to be recorded, and hereby covenants not to contest such enforcement.

D. Volunteer shall provide the Department with a copy of such instrument for the Canterbury Parcel certified by the Oneida County Clerk to be a true and faithful copy of the instrument as recorded in the Office of the Oneida County Clerk.

E. Within 30 days of receipt of the Department's written approval of the Closure Report (or the Revised Closure Report) of the Rod Mill Parcel, Volunteer shall record an instrument with the Oneida County Clerk, to run with the land, that:

1. shall prohibit the Rod Mill Parcel from ever being used for purposes other than for commercial or industrial use without the express written waiver of such prohibition by the Department, or if at such time the Department shall no longer exist, any New York State department, bureau, or other entity replacing the Department, respecting the parcel in question;

2. shall prohibit the use of the groundwater underlying the Rod Mill Parcel, unless the user first obtains permission to do so from the Department, or if at such time the Department shall no longer exist, any New York State department, bureau or other entity replacing the Department; and

3. shall provide that the Volunteer, on behalf of himself and his heirs, successors, and assigns, hereby consents to the enforcement by the Department, or if at such time the Department shall no longer exist, any New York State department, bureau, or other entity replacing the Department, of the prohibitions and restrictions that this Paragraph XI requires to be recorded, and hereby covenants not to contest such enforcement.

F. Volunteer shall provide the Department with a copy of such instrument for the Rod Mill Parcel certified by the Oneida County Clerk to be a true and faithful copy of the instrument as recorded in the Office of the Oneida County Clerk.

XII. Communications

A. All written communications required by this Order shall be transmitted by United States Postal Service, by private courier service, or hand delivered.

1. Communication from Volunteer shall be sent to:

Darrell Sweredoski, P.E.
New York State Department of Environmental Conservation
State Office Building
Watertown, New York 13601

with copies to:

G. Anders Carlson, Ph.D.
Director, Bureau of Environmental Exposure Investigation
New York State Department of Health
2 University Place
Albany, New York 12203

Charles E. Sullivan, Jr., Esq.
New York State Department of Environmental Conservation
Division of Environmental Enforcement
50 Wolf Road, Room 627
Albany, New York 12233-5500

Copies of work plans and reports shall be submitted as follows:

- Four copies (one unbound) to Mr. Sweredoski
- Two copies to Dr. Carlson

2. Communication to be made from the Department to Volunteer shall be sent to:

Mr. Charles A. Gaetano
311 Turner Street
Utica, New York 13501

with a copy to:

Barry R. Kogut, Esq.
Bond, Schoeneck & King, LLP
One Lincoln Center
Syracuse, New York 13202

B. The Department and Volunteer reserve the right to designate additional or different addressees for communication on written notice to the other given in accordance with this Paragraph XII.

XIII. Miscellaneous

A. Volunteer shall retain professional consultants, contractors, laboratories, quality assurance/quality control personnel, and data validators acceptable to the Department to perform the technical, engineering, and analytical obligations ("technical work") required by this Order. Volunteer intends to use the services of Jack Eisenbach Engineering, P.C. to perform certain technical work under this Order and this is acceptable to the Department. The Volunteer shall not use any other firm to perform the technical work under this Order without submitting the respective experience, capabilities and qualifications of that firm to the Department for prior approval, which approval shall not be unreasonably withheld or delayed. The responsibility for the performance of the professionals retained by Volunteer shall rest solely with Volunteer.

B. The Department shall have the right to obtain split samples, duplicate samples, or both, of all substances and materials sampled by Volunteer, and the Department also shall have the right to take its own samples. Volunteer shall make available to the Department the results of all sampling and/or tests or other data generated by Volunteer with respect to implementation of this Order and shall submit these results in the progress reports required by this Order.

C. Volunteer shall notify the Department at least five (5) working days in advance of any field activities to be conducted pursuant to this Order.

D. 1. Subject to Subparagraph XIII.D.2 of this Order, Volunteer shall use his best efforts to obtain whatever permits, easements, rights-of-way, rights-of-entry, approvals, or authorizations that are necessary to perform his obligations under this Order (the "authorizations"). Volunteer shall promptly notify the Department in the event of his inability to obtain such authorizations on a timely basis. In the event Volunteer is unable to obtain the necessary authorizations, the Department may, consistent with its legal authority, assist in obtaining all such authorizations which Volunteer was unable to obtain despite his best efforts, or which Volunteer could not obtain without unreasonable terms or conditions. If Volunteer cannot obtain such authorization on a timely basis, the time for performance of any obligation dependent upon such authorization shall be appropriately extended and the Order appropriately modified.

2. In carrying out the activities identified in the Remedial Work Plans for the Redevelopment Areas, the Department shall exempt Volunteer from the requirement to obtain any Department permit for any activity that is conducted on the Site and that satisfies all substantive technical requirements applicable to like activity conducted pursuant to a permit.

E. Volunteer and Volunteer's agents, servants, and employees (in the performance of their designated duties on behalf of Volunteer) shall be bound by this Order. Volunteer's agents, servants, and employees shall be obliged to comply with the relevant provisions of this Order in the performance of their designated duties on behalf of Volunteer.

F. Volunteer shall provide a copy of this Order to each contractor hired to perform work required by this Order and to each person representing Volunteer with respect to the Site and shall condition all contracts entered into in order to carry out the obligations identified in this Order upon performance in conformity with the terms of this Order. Volunteer or Volunteer's contractors shall provide written notice of this Order to all subcontractors hired to perform any portion of the work required by this Order. Volunteer shall nonetheless be responsible for ensuring that Volunteer's contractors and subcontractors perform the work in satisfaction of the requirements of this Order.

G. All references to "professional engineer" in this Order are to an individual registered as a professional engineer in accordance with Article 145 of the New York State

Education Law. If such individual is a member of a firm, that firm must be authorized to offer professional engineering services in the State of New York in accordance with Article 145 of the New York State Education Law.

H. All references to "days" in this Order are to calendar days unless otherwise specified.

I. The paragraph headings set forth in this Order are included for convenience of reference only and shall be disregarded in the construction and interpretation of any of the provisions of this Order.

J. 1. The terms of this Order shall constitute the complete and entire Order issued to Volunteer concerning the performance of investigation and remedial action at the Site described in this Order. No term, condition, understanding, or agreement purporting to modify or vary any term of this Order shall be binding unless made in writing and subscribed by the party to be bound. No informal advice, guidance, suggestion, or comment by the Department regarding any report, proposal, plan, specification, schedule, or any other submittal shall be construed as relieving Volunteer of Volunteer's obligation to obtain such formal approvals as may be required by this Order.

2. If Volunteer desires that any provision of this Order be changed, Volunteer shall make timely written application, signed by the Volunteer, to the Commissioner setting forth reasonable grounds for the relief sought. Copies of such written application shall be delivered or mailed to Mr. Sweredoski and to Mr. Sullivan. However, day to day considerations of a purely technical nature may be addressed by Volunteer's consultant directly to the Department's Project Manager, Darrell Sweredoski.

K. In undertaking the work required under this Order, Volunteer and his representatives, agents, contractors and subcontractors are deemed for the purpose of ECL § 27-1321.3 and any other similar provision of state or federal law, to be performing services related to cleanup or restorative work, which is conducted pursuant to a contract with the Department.

L. This Order constitutes an exercise of the Department's prosecutorial discretion and accordingly, the remedial activities to be undertaken under the terms of this Order are not subject to review under the State Environmental Quality Review Act, ECL Article 8, and its implementing regulations, 6 NYCRR Part 617. ECL 8-0105.5(i), 6 NYCRR 617.5(c)(29).

M. The provisions of this Order do not constitute and shall not be deemed a waiver of any right Volunteer otherwise may have to seek and obtain contribution and/or indemnification from other potentially responsible parties or their insurers, or Volunteer's insurers, for payments made previously or in the future for response costs. To the extent authorized under 42 USC § 9613 and any other applicable law, Volunteer shall not be liable

for any claim, now or in the future, in the nature of contribution by potentially responsible parties concerning the Existing Contamination. In any future action brought by Volunteer against a potentially responsible party under CERCLA, the provision of 42 USC § 9613(f)(3) shall apply.

N. Volunteer and Volunteer's employees, servants, agents, lessees, heirs, successors, and assigns hereby affirmatively waive any right they had, have, or may have to make a claim pursuant to Article 12 of the Navigation Law with respect to the Existing Contamination, and further release the New York State Environmental Protection and Spill Compensation Fund from any and all legal or equitable claims, suits, causes of action, or demands whatsoever that any of same has, or may have, as a result of Volunteer's entering into or fulfilling the terms of this Order with respect to addressing the Existing Contamination.

O. The effective date of this Order shall be the date the Commissioner or his designee signs it.

DATED: 3/8, 1999
Albany, New York

JOHN P. CAHILL, COMMISSIONER
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
AND TRUSTEE OF THE STATE'S
NATURAL RESOURCES

CONSENT BY VOLUNTEER

Volunteer hereby consents to the issuing and entering of this Order, waives Volunteer's right to a hearing herein as provided by law, and agrees to be bound by this Order.

Charles A. Gaetano

Dated: January 21, 1999

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

On this 21st day of January 1999, before me personally came Charles A. Gaetano, to me known, who being duly sworn, did depose and say that he has an office at 311 Turner Street, Utica, New York 13501; that he is the person described in and who consented to the issuance and entry of the foregoing Order; and that he duly acknowledged to me that he did so as his knowing and voluntary act and deed.

Notary Public

ANNA A. MILAZZO
Notary Public
No. 01MI4827033
County of Oneida, State of New York
My Commission Expires April 30, 2000

LIST OF EXHIBITS

Exhibit	Description
Exhibit "A"	Map of Site
Exhibit "B"	Subdivision Map of Site
Exhibit "C"	Department-approved Work Plan for the Northern Redevelopment Area
Exhibit "D"	Form of Assignable Release and Covenant Not to Sue
Exhibit "E"	Department-approved Work Plan for the Canterbury Parcel
Exhibit "F"	Department-approved Work Plan for the Rod Mill Parcel
Exhibit "G"	Addendum to the Work Plans
Exhibit "H"	Notice of Order