

PHASE II ENVIRONMENTAL SITE ASSESSMENT

VACANT PROPERTY TOWN OF WHEATFIELD, NEW YORK

Prepared For:
Town of Wheatfield
280 Church Road
North Tonawanda, New York

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PHASE II ENVIRONMENTAL SITE ASSESSMENT

VACANT PROPERTY
TOWN OF WHEATFIELD, NEW YORK

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Prepared For:

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) was retained by the Town of Wheatfield (the Town) to complete a Phase II Environmental Site Assessment (ESA) of the vacant property located at 2020 River Road in Wheatfield, New York (Property or Site). The Phase II ESA was conducted in response to Recognized Environmental Conditions (RECs) identified in the Phase I ESA completed by CRA in October 2006 in accordance with American Society for Testing and Materials (ASTM) Standard E1527-00. This Phase II ESA is being conducted for the Town to assist in evaluating business environmental risk associated with the Site and to assist in establishing Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) "innocent landowner defense" for a potential transaction of the property. The Phase II ESA Site work was conducted by CRA between November 27, 2006 and December 12, 2006.

This report presents a summary of the results of the previous ESA completed by Empire Geo-Services, Inc. (Empire) and the results from CRA's Phase II ESA. This report is organized as follows:

- Section 1.0 Introduction: The introduction presents an overview of the project to date;
- Section 2.0 Site Location and Description: Descriptions of the Site location, physical condition, and current and historic use are presented in Section 2.0;
- Section 3.0 Previous Environmental Site Assessment Results: A summary of the results of the Empire ESA is presented in Section 3.0;
- Section 4.0 CRA's Phase II Environmental Site Assessment Results: A summary of the fieldwork and results of CRA's Phase II Environmental Site Assessment is presented in Section 4.0; and
- Section 5.0 Conclusions: A summary of the conclusions the Phase II ESA is presented in Section 5.0.

2.0 SITE LOCATION AND DESCRIPTION

The following information was compiled from a review of CRA's Phase I ESA conducted in October 2006.

2.1 <u>SITE LOCATION AND DESCRIPTION</u>

The Site consists of one vacant 4.21-acre parcel of undeveloped vacant land with approximately 240 feet of frontage along both River Road and the Niagara River. It connects with three smaller parcels, which provide an additional 126 feet of frontage along River Road located in the southern portion of Wheatfield, New York. Most portions of the Site contain dense vegetation.

2.2 <u>ENVIRONMENTAL SETTING/ADJACENT PROPERTIES</u>

The Site is currently undeveloped vacant land. The Site is located in a predominantly residential and commercial area in the town of Wheatfield, Niagara County, New York. The entire property is covered with a mixture of dense grass, underbrush, juvenile saplings, and adolescent trees and is relatively flat with no topographic relief. No improved surfaces are located at the Site.

The vacant property is bordered by the following properties:

North: bound by River Road and beyond by a residential trailer park and

commercial property including an auto restoration shop;

<u>East</u>: by the Brzezinski Landfill;

South: by the Niagara River; and

West: residential housing and the 102nd Landfill beyond.

A Site Location Map is presented on Figure 1.

3.0 PREVIOUS ENVIRONMENTAL ASSESSMENT RESULTS

Empire conducted a modified Phase I/II ESA at the Site in the summer of 2004. The results of this ESA indicate that heavy metals, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOC) are present in the soil at concentrations that exceeded the New York State Soil Cleanup Objectives (SCOs) presented in the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) 4046. The ESA also indicates that lead is present in the Site's groundwater at a concentration that exceeds the NYSDEC Drinking Water Maximum Contaminant Level (MCL) criteria according to Technical and Operation Guidance Standards (TOGS) 1.1.1.

The Empire Modified Phase I/II ESA Report dated August 2004 identified the following environmental issues associated with the Property:

- "The Site's topography undulates mostly due to filling and clearing which has occurred in the past."
- "The most extensive filling appears to have occurred over the southern portion of the Site beyond where the shoreline once existed. This portion of the site appears to have been raised several feet to about to at least 10.5 feet where an eastern berm is present."
- "Visible evidence of dumping of drums filled with oil, heating oil tank, tar/coating-like substances, paint cans, C&D, industrial waste (ash, firebrick, cinders, coal, foundry sand, slag) and miscellaneous household wastes."
- "Up to at least 10.5 feet of fill exist over portions of the site, as encountered during Empires subsurface investigation. The fill material consists of industrial type wastes such as ash, cinders, firebrick, coal, foundry sand, and slag. Additional unknown material such as a silvery, wet slag-like material and oily-sheen on the groundwater surface and within the fill were encountered but could not be identified as to there makeup without further laboratory analysis."
- "According to Mr. George C. McMurdo, the owner of the property located to the
 west of the Site, the southern portion of the subject property was filled in with
 "grinding wheel sand" from Carborundum, extending the land out approx. 100 feet
 to the south. In the late 1970's and early 1980's the northern and center portion of the
 subject site began to be used for filling."
- "Elevated organic vapor readings were encountered in borings B-8, B-9, and B-13."

- "Analytical results of the only soil sample submitted (collected from B-8 at depths between 4 to 6 feet) indicate the presence of heavy metals, several VOC's and SVOC's."
- "Analytical results of the only groundwater sample submitted (collected from B-9) indicate the presence of heavy metals and oil and grease."
- "The property adjacent to the east is known as the Brzezinski Landfill. In July 1991, Lawler, Matusky, and Skelly Engineers (LMS) concluded that the site "received waste that appear to be at the industrial waste level and are not considered to be hazardous waste." The was recommended to the NYSDEC Division of Solid waste to be classified as an "inactive industrial landfill." The subject site appears to have received similar waste as were found during previous investigation on the Brzezinski Landfill site. Initially, this site in the early 1980s was being considered for Superfund listing as a hazardous waste site. A portion of the Brzezinski Landfill site was found to contain elevated levels of TCE and tetrachloroethylene gas concentrations within the soil. Some of the areas in which they were found were along the western boundary, near the subject site. From the contour lines drawn by LMS, these compounds may also be present within the soils of the subject site. Heavy metals, volatile organic compounds, and several other compounds were found within the fill soils across the site."
- "The subject site is within 1/8 of a mile from two (2) National Priority Listed sites, namely Love Canal and the 102nd Street Landfill."

The analytical results from the Empire ESA are presented in Table 1. Empire's soil sample was collected from soil boring B-8 from the 4-6 feet below ground surface (bgs) interval. The location of Empire's B-8 location appears to be located between CRA's B-6 and B-7 location. Empire's groundwater sample was collected from a temporary well installed in their soil boring B-9. The approximate location of boring B-9 is in the vicinity of CRA's boring B-7. The exact location of Empire's B-8 and B-9 locations cannot be ascertained because Empire did not conduct a Site survey, and the Site Plan presented in their ESA is not drawn to scale. The approximate locations of Empire's borings are presented in Figure 2. Empire's analytical results are similar to the results of the Phase II ESA completed by CRA.

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4.0 CRA's PHASE II ENVIRONMENTAL SITE ASSESSMENT

4.1 PURPOSE

The purpose of the Phase II ESA was to investigate RECs, as defined in ASTM Standard E1527-00, identified at the Site during CRA's Phase I completed in October 2006. Based on the Phase I ESA including the Site inspection, database search, historic records reviewed, information provided by Site personnel, and interviews the following potential RECs as defined in ASTM Standard E1527-00 were identified at the Site:

- historical Site use; and
- surrounding properties.

4.2 TASKS

4.2.1 SOIL BORING AND TEMPORARY WELL INSTALLATION

The subsurface soil investigation was completed by CRA using a drill rig mounted on a tracked All-Terrain Vehicle (ATV). Borings were completed from the ground surface to approximately 15 to 20 feet below ground surface (bgs) in accordance with the work plan approved by the Town of Wheatfield dated November 2, 2006. The sample locations were placed throughout the Site in areas that may have had off-Site fill utilized and/or areas where contamination may have impacted the Site as identified in CRA's Phase I ESA. The sampling system resulted in eight borehole locations as presented on Figure 3. The Stratigraphy Logs for each of the borings are presented in Appendix A.

Soil samples were collected continuously from all borings and field screened utilizing a photoionization detector (PID) modified headspace method. Visual observations and field screening results were recorded in a field book. If fill material was observed, a sample of the fill material and a sample of the native soils located below the fill material were collected and analyzed for VOCs, SVOCs, polychlorinated biphenyls (PCBs), and total metals. If fill material was not observed, a grab sample of the unsaturated native soil was collected from above the water table for analysis of VOCs, SVOCs, metals, and PCBs. Fill samples and native soil samples were collected from every boring except Boring B-2. At boring B-2, only native soil was encountered and submitted for analysis. A sample key is presented in Table 2.

A temporary monitoring well was installed in four of the eight soil boring locations for the purpose of groundwater sample collection. Monitoring wells were constructed of 2-inch diameter schedule 40 PVC with 10-slot screens. Wells were developed prior to sample collection. The temporary wells were purged of ten well volumes prior to sampling. The temporary wells were sampled immediately after purging. One groundwater sample was collected at each well and was analyzed for VOCs, SVOCs, metals, and PCBs. A sample key is presented in Table 2.

Groundwater levels in the temporary monitoring wells were found to be at approximately 1.5 to 4 feet bgs. The apparent groundwater flow direction is south towards the Niagara River.

4.2.2 <u>SITE SURVEY</u>

All soil borings and temporary wells were surveyed for horizontal location and elevation based on a Site referenced grid system. The Site survey was completed on December 12, 2006. After plotting survey data, boring B-8 was found to be installed off Site approximately 10 feet east of the Property line on the Brzezinski Landfill. According to the NYSDEC, analytical results at B-8 are consistent with previous investigations completed at the Brzezinski Landfill.

4.3 RESULTS

4.3.1 **SOIL**

During subsurface investigation activities, 15 soil samples were collected and submitted to CompuChem Analytical Laboratories (CompuChem) for laboratory analyses. The results are as follows:

- Chemical concentrations were above 6 New York Code of Rules and Regulations (NYCRR) Subpart 375-6 for unrestricted use VOC criteria at boring B-7 within the fill material;
- Chemical concentrations were above 6 NYCRR Subpart 375-6 for unrestricted use SVOC criteria in borings B-1, B-3, B-7, and B-8;
- Chemical concentrations were above 6 NYCRR subpart 375-6 for unrestricted use metals criteria in one or more sample intervals at all locations; and

• Chemical concentrations were above 6 NYCRR Subpart 375-6 for unrestricted use total PCB criteria at boring locations B-1, B-3, B-4, and B-8 within the fill material.

The complete soil analytical results summary is presented in Table 3. The laboratory data results package is provided in Appendix B. As the Town's future use of the Site is undetermined, the analytical results were compared to the NYSDEC 6 NYCRR Subpart 375-6 unrestricted use criteria. Depending on the Town's future use of the Site, alternative criteria may be applicable, as 6 NYCRR Subpart 375 is a risk based criteria system that evaluated exposure based on property use for the protection of public health and the environment.

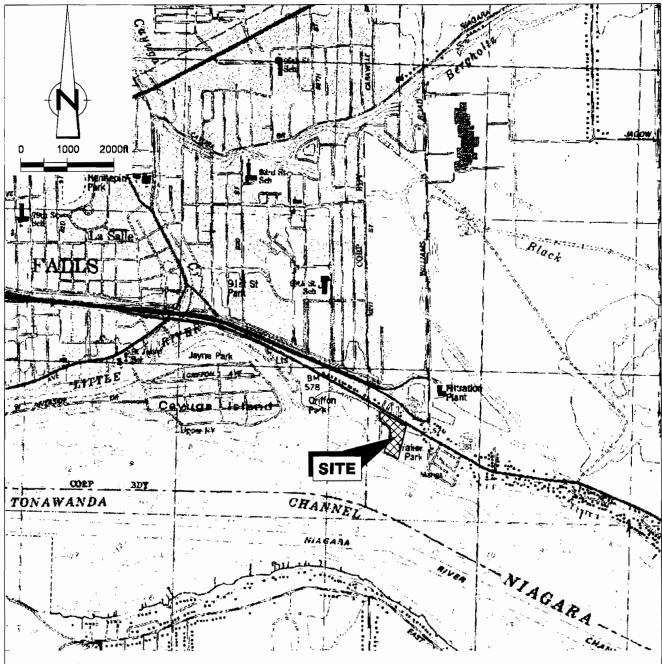
4.3.2 **GROUNDWATER**

Following temporary well installation and development, CRA collected and submitted four groundwater samples to CompuChem for laboratory analysis. Chemical concentrations in groundwater were above NYSDEC TOGS VOC criteria at temporary well MW-1 chemical concentrations in groundwater were above NYSDEC TOGS 1.1.1 SVOC criteria at temporary monitoring wells MW-1 and MW-3. Groundwater samples from all four temporary wells had chemical concentrations in groundwater above NYSDEC TOGS 1.1.1 metals criteria. The complete groundwater analytical results summary is presented in Table 4. The laboratory data results package is provided in Appendix B.

5.0 <u>CONCLUSIONS</u>

The Phase II subsurface investigation/ESA has revealed elevated levels of contaminant concentrations in soil and groundwater. The results of this Phase II ESA indicate that VOCs, SVOCs, metals, and PCBs are present in the soil at concentrations that exceed the NYSDEC 6 NYCRR Subpart 357-6 criteria at all boring locations. The results also indicate that VOCs, SVOC, and/or metals are present in the groundwater at concentrations that exceed the NYSDEC TOGS 1.1.1 water quality standards at all temporary monitoring well locations. Results have been compared to the strictest level of soil criteria as a starting point to provide the most options for property development and Site use.

FIGURES



REFERENCE:

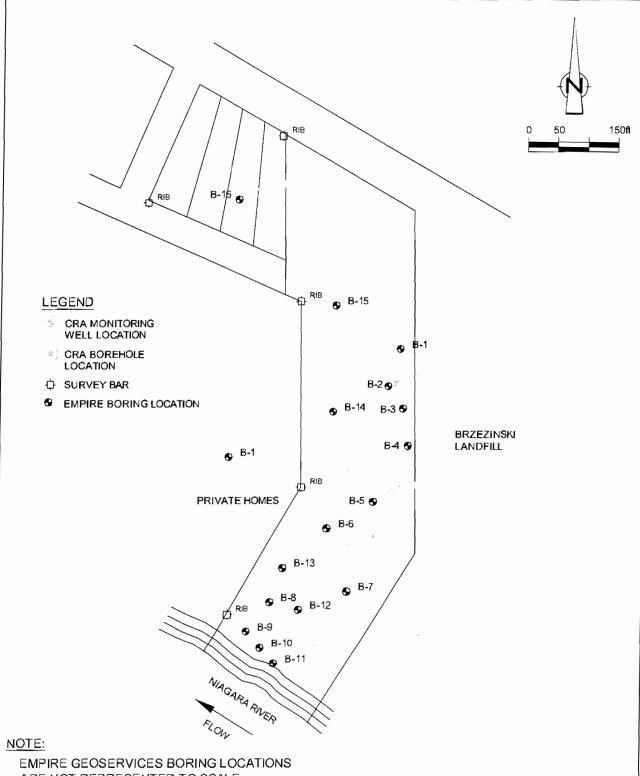
UNITED STATES GEOLOGIC SURVEY NORTH TONAWANDA WEST (NY) TOPOGRAPHIC, 7.5 MINUTES SERIES 1980

SCALE: 1:24,000



SITE LOCATION MAP VACANT PROPERTY 2020 RIVER ROAD Weatfield, New York





ARE NOT REPRESENTED TO SCALE.

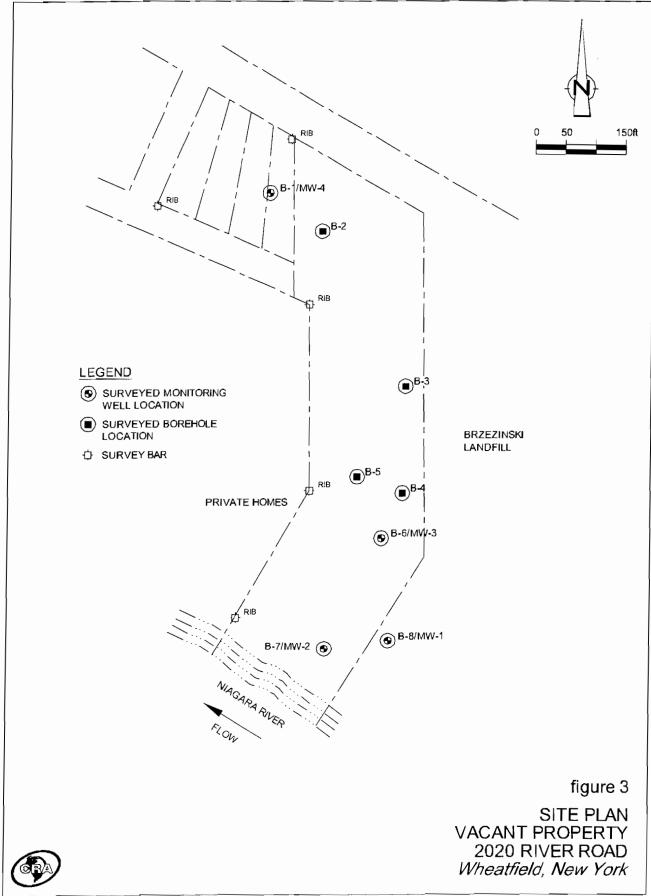
figure 2

SOURCE:



EMPIRE GEOSERVICES, INC. MODIFIED PHASE I/II ESA 08/2004

EMPIRE GEO-SERVICES BORING LOCATIONS VACANT PROPERTY 2020 RIVER ROAD Wheatfield, New York



TABLES

TABLE 1 EMPIRE'S ESA ANALYTICAL RESULTS 2020 RIVER ROAD WHEATFIELD, NEW YORK AUGUST 2006

Parameter	Concentration (ppm)	NYSDEC STARS	TAGM 4046	Track 1 (Pub/Ecolo)	Track 2 (Res/Com/Ind)
Benzo (a) anthracene	0.17	0.03	0.224	1	1.3/5.6/11
Chrysene	0.34	0.004	0.4	0.59	13/56/110
Benzo (b) fluoranthene	0.32	0.011	1.1	1	1.3/6/11
Benzo (k) fluoranthene	0.09	0.011	1.1	1.7	13/56/110
Indeno (1,2,3-cd) pyrene	0.13	0.032	3.2	0.5	1.3/5.6/11
Beryllium	0.2	NA	0.16/SB	14/10	72/590/2,700
Calcium	9,800	NA	SB	NA	NA
Chromium	250	NA	10/SB	19/.4	110/400/800
Copper	91	NA	25/SB	270/50	870/870/190000
Iron	24,000	NA	2,000/SB	NA	NA
Lead	220	NA	SB	400/63	400/1000/3900
Magnesium	2,700	NA	SB	NA	NA
Manganese	230	NA	SB	2,000/1,600	2000,15000/67000
Mercury	0.05	NA	0.1	0.73	.81/2.8/5.7
Nickel	190	NA	13/SB	130/30	310/310/27000
Potassium	350	NA	SB	NA	NA
Selenium	17	NA	2/SB	1/3.9	180/1500/6800
Sodium	200	NA	SB	NA	NA
Zinc	270	NA	20/SB	2,200/109	11000/89000/410000

Parameter	Concentration (ppb)	NYSDEC Drinking Water MCLs (ppb)
Lead	0.12	0.015

Notes:

MCL Maximum Contaminant Level.

NA Not Available.

NYSDEC New York State Department of Environmental Conservation.

ppb Parts Per Billion.SB Site Background.

STARS Spill Technology and Remediation System.

TAGM Technical and Administrative Guidance Memoranda.

TABLE 2
SAMPLE KEY
2020 RIVER ROAD
WHEATFIELD, NEW YORK
NOVEMBER 2006

	Sample	Sample	Sample	Sample	Interval	Wat	er Level
Sample Identification	Location	Date	Matrix	From	To	ft btc	ft Site ref.
S-45569-112706-JRR-001	B-4	11/27/06	Fill	6	8	-	_
S-45569-112706-JRR-002	B-4	11/27/06	Native soil	10	12	-	_
S-45569-112706-JRR-003	B-5	11/27/06	Fill	0	4	-	-
S-45569-112706-JRR-004	B-5	11/27/06	Native soil	6	8	-	-
S-45569-112706-JRR-005	B-6	11/27/06	Fill	2	6	-	-
S-45569-112706-JRR-006	B-6	11/27/06	Native soil	8	10	-	-
S-45569-112806-JRR-007	B-8	11/28/06	Fill	0	4	-	-
S-45569-112806-JRR-008	B-8	11/28/06	Native soil	8	10	-	-
S-45569-112806-JRR-009	B-7	11/28/06	Fill	4	6	-	-
S-45569-112806-JRR-010	B-7	11/28/06	Native soil	8	10	-	-
S-45569-112806-JRR-011	B-3	11/28/06	Fill	0	2	-	_
S-45569-112806-JRR-012	B-3	11/28/06	Native soil	8	10	-	-
S-45569-112906-JRR-013	B-1	11/29/06	Fill	0	4	-	-
S-45569-112906-JRR-014	B-1	11/29/06	Native soil	10	12	-	-
S-45569-112906-JRR-015	B-2	11/29/06	Native soil	0	4	-	-
S-45569-113006-JRR-016	MW-1 / B-8	11/30/06	Groundwater			4.83	97.43
S-45569-113006-JRR-017	MW-2 / B-7	11/30/06	Groundwater			6.41	96.97
S-45569-113006-JRR-018	MW-3 / B-6	11/30/06	Groundwater			4.91	98.55
S-45569-113006-JRR-019	MW-4 / B-4	11/30/06	Groundwater			5.44	99.59

Notes:

Not available.

ft btc Feet Below Top of Casing.

SOIL ANALYTICAL RESULTS SUMMARY 2020 RIVER ROAD WHEATFIELD, NEW YORK NOVEMBER 2006

					Sat	Sample Location: Sample ID: Sample Date: Sample Depth:	B-1 S-45596-112906-JRR-013 11/29/2006 0 - 4 ft	B-1 S-45596-112906-JRR-014 11/29/2006 10 - 12 ft	B-2 S-45596-112906-JRR-015 11/29/2006 0 - 4 ft	B-3 S-45596-112806-JRR-011 11/28/2006 0 - 2 ft	B-3 S-45596-112806-JRR-012 11/28/2006 8-10 ft
		Unrestricted Use Soil Cleanup	Restricted U	Restricted Use Soil Cleanup Objectives Protection of Public Health Forbasical	-	TAGM 4046 Rec. Soil					
Parameters	Units	Objectives	Residential Commercial	Commercial	Resources	Objective					
Volatile Organic Compounds											
1,1,2,2-Tetrachloroethane	mg/Kg mø/Kø	0.68 N.	00 Z	200	Š,	8.0	0.0063 U	0.0066 U	0.0059 U	0.006211	0 0024 11
1,1,2-Trichloroethane	mg/Kg	ΣN	ט צ	ט נ	N N	0.6	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
1,1-Dichloroethane	mg/Kg	0.27	19	240	ن 2 ک) C	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
1,1-Dichloroethene	mg/Kg	0.33	100	200	Ž	0.4	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
1.2-Dihromo-3-chloromana (DBCD)	mg/Kg	S S	O I	S	Ŋ	3.4	0.0063 U	0.0066 U	0.0059	0.0062 U	0.0064 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/ Kg mø/ Kø	y c	O C	O S	U (N.	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
1,2-Dichlorobenzene	mg/Kg		100	- - - -) C	U o	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
1,2-Dichloroethane	mg/Kg	0.02	23	30	01	6.7	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
1,2-Dichloropropane	mg/Kg	NC	N	NO	NO.	ON ON	0.0063 11	0.0066 U	0.0059 U	0.0062 U	0.0064 U
1,3-Dichlorobenzene	mg/Kg	2.4	17	280	ON.	1.6	0.0063 U	0.0066 11	0.0059 U	0.0062 U	0.0064 U
2-Butanone (Methyl Frhyl Ketone)	mg/ Kg	1.8	8.6	130	20	8.5	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
2-Hexanone	mg/ Ng mø/Kø	0.12 NC	9 S	200	100	0.3	0.016 U	0.016 U	0.015 U	0.015 U	0.0064 0
4-Methyl-2-Pentanone (Methyl Isobutyl Keton mg/Kg	n mg/Kg	Z Z	y c	J C	J C	y -	0.016 U	0.016 U	0.015 U	0.015 U	0.016 U
Acetone	mg/Kg	0.05	100	200	2.2	0.2	0.016 U 0.016 U	0.016 U	0.015 U	0.015 U	0.016 U
Benzene	mg/Kg	90.0	2.9	44	20	90.0	0.0000	0.016 0	0.015 U	0.015 U	0.0056
Bromodichloromethane	mg/Kg	NC	NC	NO	NC	Ŋ.	0.0063 U	0.0088 U	0.0059 U	0.0062 U	0.0064 U
Bromomothese (A fail at 1	mg/Kg	NC.	NC	Ü	NC	NC	0.0063 U	0.0066 U	0.0059 11	0.0062 U	0.0064 U
Dromomemane (Methyl bromide) Carbon disulfide	mg/Kg	υ Ç	S S	U (O Z	NC	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 0
Carbon tetrachloride	mø/Kø) NC	ا کر 14	Z F	U C	2.7	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
Chlorobenzene	mg/Kg	1.1	100	2005	Z	0.0	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
Chloroethane	mg/Kg	Š	N N	S Z	Ž	10	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
Chloroform (Trichloromethane)	mg/Kg	0.37	10	350	12	0.3	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
Chloromethane (Methyl Chloride)	mg/Kg	S S	N N	NC	NC	Ŋ.	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
cis-1,2-Dichloronronene	mg/ Kg	0.25 Z	59	200	ON ;	Ŋ.	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
Cyclohexane	me/Ke) C) (2 2) (Z Z	U Q	U (0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
Dibromochloromethane	mg/Kg	O N) () () C	ب د د	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
Dichlorodifluoromethane (CFC-12)	mg/Kg	N N) Z) () Z	Į C) (2 Z	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
Ethylbenzene	mg/Kg	1	30	390	OZ.	5.5	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
Isopropylbenzene	mg/Kg	NC	S	NC	S	N N	0.0063 11	0.0066 U	0.0059 U	0.0062 U	0.0064 U
Methyl acetate	mg/Kg	ŭ	Ŋ	ON.	N	NO	0.0063 U	0.0066 U	0.0039 0	0.0062 U	0.0064 U
Methyl Cyclonexane	mg/Kg	O ;	ON N	ON.	NC	NC	0.0063 U	0.0066 U	0.0059		0.0004 0
Methylate chloride	mg/Kg	0.93	62	200	ON.	NO.	0.0063 U	0.0066 U	0.0059 U		
Styrene	mg/Kg	S 7	7 7	200	12	0.1	0.0014	0.0066 U	0.0036	0.013	0.016
Tetrachloroethene	mo/Ko	۱۲ د	يا <u>ر</u> تا <u>ج</u>	N S	υ «	Ų,	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
Toluene	me/Ke	7.0	0.01	005	7 %	4.1	0.0063 U	0.0066 U	0.0059 U	0.0062 U	0.0064 U
trans-1,2-Dichloroethene	mg/Kg	0.19	100	200	g Z	5.1	0.00086	0.0066 U	0.0059 U	0.00073	0.0064 U
		•	-		!	-	U.UUOO	0.0066 U	0.0059 U	0.0062 U	0.0064 U

TABLE 3

SOIL ANALYTICAL RESULTS SUMMARY 2020 RIVER ROAD WHEATFIELD, NEW YORK NOVEMBER 2006

					Sam	Sample Location: Sample ID: Sample Date: Sample Depth:	B-1 S-45596-112906-JRR-013 11/29/2006 0 - 4 ft	B-1 S-45596-112906-JRR-014 11/29/2006 10 - 12 ft	B-2 S-45596-112906-JRR-015 11/29/2006 0 - 4 ft	B-3 5-45596-112806-JRR-011 11/28/2006 0 - 2 ft	B-3 S-45596-112806-JRR-012 11/28/2006 8 - 10 ft
Parameters	Units	Unrestricted Use Soil Cleamp Objectives	Restricted Use Soil Clean Protection of Public Health Residential Commercial	3		TAGM 4046 Rec. Soil Cleanup Objective					
Volatiles (Cont'd.) trans-1,3-Dichloropropene	mg/Kg	U Z	Ŋ	Ü	Ş	Ç					
Trichloroglucromothers (CEC 11)	mg/Kg	0.47	10	200	2 2	0.7	0.0063 U 0.0063 U	0.0066 U 0.0066 U	0.0059 U	0.0062 U	0.0064 U
Trifluorotrichloroethane (Freon 113)	mg/ Kg mg/ Kg	y y	O N	O N	N N C	NC 4	0.0063 U	0.0066 U	0.0059 U	0.0062 U 0.0062 U	0.0064 U 0.0064 U
Vinyl chloride Xylene (total)	mg/Kg mg/Kg	0.02	0.21	13	NC 0.26	0.2 1.2	0.0063 U 0.0063 U 0.019 U	0.0066 U 0.0066 U 0.007 II	0.0059 U 0.0059 U	0.0062 U 0.0062 U	0.0064 U 0.0064 U
Semi-Volatile Organic Compounds)	0 010.0	0.019	0.019 U
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/Kg	NC	NC	NO	N N	NC	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
2,4,5-Trichlorophenol	mg/Kg	NC	NC	NC	NC	0.1	0.42 U	0.43.11	11000		!
2,4,6-1 richlorophenol 2 4.Dichlorophenol	mg/Kg	N C	N N	ON!	NC	NC	0.42 U	0.43 U	0.39 U 0.39 U	0.41 U	0.42 U
2,4-Dimethylphenol	mg/ Kg mg/ Kg	U C	U C	O C	N Z	4.0	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
2,4-Dinitrophenol	mg/Kg	N	N S	N N	y V	0.200	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
2,4-Dinitrotoluene	mg/Kg	NC	NC	NC	NO	UZ Z	0.42 U	0.43 U	0.38 U	0.81 U 0.41 U	0.85 U
2,6-Dinitrotoluene 2-Chloronanhthalone	mg/Kg	N S	N S	N S	NO.	1	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
2-Chlorophenol	mg/ kg mg/Kg	Z Z	Z Z	S S	N V	N S	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
2-Methylnaphthalene	mg/Kg	Ž	ž	N N	Į U	36.4	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
2-Methylphenol	mg/Kg	0.33	100	200	NO	0.100	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
z-ivitroaniline 2-Nitrophenol	mg/Kg	N N	N S	N S	NC	0.430	0.84 U	0.87 U	0.78 U	0.81 U	0.42 U 0.85 U
3,3'-Dichlorobenzidine	mg/Kg	N N	ט ע	Z Z) (Z Z	0.330	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
3-Nitroaniline	mg/Kg	NC	N	N N	N N	0.500	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
4,6-Dinitro-2-methylphenol	mg/Kg	N S	N S	N N	NC	NC	0.84 U	0.87 U	0.78 U	0.81 U	0.85 U
4-Chloro-3-methylphenol	mg/ Ng mø/Kø	y V	J C	ט כ	U C	N C	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
4-Chloroaniline	mg/Kg	NC	Ž	N S) U	0.220	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
4-Chlorophenyl phenyl ether	mg/Kg	NC	NC	NC	NO	NC	0.42 U	0.43 U	0.39 U	0.41 0	0.42 U
4-Metry/phenol	mg/Kg	0.33	뚕 ;	200	NC.	6:0	0.84 U	0.87 U	0.78 U	0.81 U	0.85 U
4-Nitrophenol	me/Ke	J Z	y C	U C	U C	O S	0.84 U	0.87 U	0.78 U	0.81 U	0.85 U
Acenaphthene	mg/Kg	50	100	200	ا ا	20 20	0.84 U	0.87 U	0.78 U	0.81 U	0.85 U
Acenaphthylene	mg/Kg	100	100	200	NC	41	0.42 U	0.43.11	0.39 U	0.41 U	0.42 U
Acetophenone	mg/Kg	ON.	NC	UZ	N N	NC	0.42 U	0.43 U	0.39 U	0.41 0	0.42 U
Anthracene	mg/ Kg	100	100	200	ON.	20	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
Benzaldehyde	mg/ Kg mg/ Kg	y y	y y	U C	N Z	S S	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
Benzo(a)anthracene	mg/Kg	·	· -) o	ر 2 ک	D 224	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
Benzo(a)pyrene	mg/Kg	1	1		2.6	0.061	0.069	0.43 U	0.39 U 0.39 U	0.41 U 0.41 U	0.42 U 0.42 U

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TABLE 3

SOIL ANALYTICAL RESULTS SUMMARY
2020 RIVER ROAD
WHEATFIELD, NEW YORK
NOVEMBER 2006

 Sample Location:
 B-1
 B-1
 B-2
 B-3
 B-3

 Sample ID:
 S-45596-112906-JRR-013
 S-45596-112906-JRR-015
 S-45596-112806-JRR-011
 S-45596-112806-JRR-012

 Sample Date:
 11/29/2006
 11/29/2006
 11/28/2006
 11/28/2006

 Sample Depth:
 0 - 4 ft
 10 - 12 ft
 8 - 10 ft

	6	Trunchini at. 3			- 1					167-0	1601-0
			Nestrictea us	<u> </u>	•	IAGM 4046 Rec. Soil					
Parameters	Units	Cleanup Objectives	Protection of Public Health Residential Commercial	ublic Health Commercial	Ecological Resources	Cleanup Objective					
Semi-Volatiles (Cont'd.)					_	_					
	mg/Kg	1	-	5.6	N	111	0.078	0.43.11	0.3011		•
	mg/Kg	100	100	200	NC	NON	0.051	0.43.11	0.35	0.061	0.42 U
luoranthene	mg/Kg	8.0	1	26	NC	1.1	0.42 U	0.43.11	0.35 0	0.042	0.42 U
	mg/Kg	NC	NC	NC	NC	N ON	0.42 11	0.43.0	0.650	0.41 0	0.42 U
hane	mg/Kg	Ų.	OZ.	Ů.	OZ.	Ü	0.4211	0.43.0	0.39 U	0.41 U	0.42 U
	mg/Kg	OZ.	ON.	CN	Č) (0.42 11	0.43 U	0.39 U	0.41 U	0.42 U
bis(2-Ethylhexyl)phthalate	mg/Kg	N	Ž	Z) () 6	0.42.0	0.43 U	0.39 U	0.41 U	0.42 U
	mg/Kg	N) () C	000	0.02	0.57	0.39 U	0.15	0.42 U
	me/Ko	Ü) C) C) (ام	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
Carbazole	mg/Kg) Z	N N	Z) (Z Z) (0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
	mg/Kg	1	-	, ,,	2) }	0.42.0	0.43 U	0.39 U	0.41 U	0.42 U
h)anthracene	mg/Kg	0.33	0.33	0.56	y y	0.014	0.094	0.43 U	0.39 U	0.078	0.42 U
Dibenzofuran	mg/Kg	7	14	350	Z	6.2	0.42.0	0.45 0	0.39 U	0.41 U	0.42 U
Diethyl phthalate	mg/Kg	OZ.	OZ.	N ON	Ž	7.1	0.42.0	0.43.0	0.39 U	0.41 U	0.42 U
Dimethyl phthalate	mg/Kg	NC	NC	ON.	Z	,	0.42.0	0.43.0	0.39 U	0.41 U	0.42 U
Di-n-buty:Iphthalate	mg/Kg	Z	Ü	Ž) (1 00	0.42.0	0.43 U	0.39 U	0.41 U	0.42 U
	mø/Kø	Ü) (Z) C) (1.0	0.42.0	0.43 U	0.39 U	0.41 U	0.42 U
	mo/Ko	2 2	2 0	202) (00 00	0.42.0	0.43 U	0.39 U	0.41 U	0.42 U
	mø/Kø	30	901	905	ج د	8 9	0.17	0.43 U	0.39 U	0.098	0.42 U
robenzene	mo/Ko	0.33	23	8 4	2 2	2 5	0.42.0	0.43 U	0.39 U	0.41 U	0.42 U
9		S V	3 (1	- L) (14.0	0.42 U	0.43 U	0.39 U	0.95	0.42 U
queip	6/ 1.6 ma/Ka	2) (2 2	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
	3 /2 ···	2 2		ייי) (2 2	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
reno	84 /8	ָב ביי	2 0	١ ١) (J é	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
	11/8/ Ng	n (2	c: 0	0.0) (3.2	0.048	0.43 U	0.39 U	0.41 U	0.42 U
	mg/ ng	کر ج د	<u>-</u> کو کو) S	S ;	4.4	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
	gy /giii	71	90 5	000	U Z	13	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
out and a second	mg/ kg	ر د ک	ک د کا	N C	U (0.200	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
	87 /SIII) (Z	ر : ۲) (Z	y ;	S Z	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
	84 /8m) o	ر د ک	Z ,	S S	N N	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
	mg/Vg	0.0	4.2	6.7	8.0	1.0	0.84 U	0.87 U	0.78 U	0.81 U	0.85 U
	mg/ Ng	100	9 5	000	Ų S	20	0.1	0.43 U	0.39 U	0.41 U	0.42 U
	94 /9	0.00	907	200	30	0.03	0.42 U	0.43 U	0.39 U	0.41 U	0.42 U
	mg/ kg	BI	000	200	O Z	20	0.12	0.43 U	0.39 U	0.087	0.42 U
Metals						_					
-	mg/Kg	Ü	Ŋ.	NO	NC	OZ.	7400	19500	10200	0100	
Antimony	mg/Kg	NO	S	N	Z	O Z	3.6	0.63	10700	8350	19500
	mg/Kg	13	16	16	13	7.5	72.6	3.7	3.1	3.0	0.71
	mg/Kg	350	320	400	433	300	123	172			0.0
	mg/Kg	7.2	14	290	10	0.16	0.47	271	63	96.9	138
E	mg/Kg	2.5	2.5	9.3	4	1	3.2	0.6	0.33	9.5.0 7.7.0	0.85
Calcium	mg/Kg	NO	NC	NC	NC	N	41700	57400	0.33	0.64	0.63
	i	•	•		?	-	A4/12	OVO/C	74300	46100	61500

SOIL ANALYTICAL RESULTS SUMMARY 2020 RIVER ROAD WHEATFIELD, NEW YORK NOVEMBER 2006

B-3 S-45596-112806-JRR-012 11/28/2006 8 - 10 ft				26.9	26.9	28800	9.5	13200	713	0.02 U	30.7	4740	0.31 0	0.06 U	730 11	36.7	60.2		11 100 0	0.044 U	0.022 U	0.022 U	0.022 U	0.022 U	ND
B-3 S-45596-112806-JRR-011 11/28/2006 0 - 2/ft			ţ	10.6	26.2	12200	43.1	14300	623	0.06	12.6	1360	0.82.0	117	0.35	15.4	105		0.03.11	0.042 U	0.021 U	0.021 U	0.021 U	0.17	0.31
B-1 S-45596-112906-JRR-013 S-45596-112906-JRR-015 11/29/2006 11/29/2006 11/29/2006 0 - 4 ft 10 - 12 ft 0 - 4 ft				7	12.9	15500	7.4	7300	296	0.033	13.3	0.28 11	0.0611	39.7	0.36 U	21.5	46.7		0.028 U	0.04 U	0.02 U	0.02 U	0.02 U 0.02 U	0.02 U	ND
B-1 S-45596-112906-JRR-014 11/29/2006 10 - 12 ft			27.1	14.9	28.2	29300	10.3	13600	0.01911	315	5010	0.32 U	0.06 U	234	0.41 U	38	63		0.032 U	0.045 U	0.022 U	0.022 U	0.022 U 0.022 U	0.022 U	QN
			88.9	8.4	382	76800	10100	476	2.2	29.1	1130	0.3 U	0.17	156	0.38 U	20.5	37.9		0.03 U	0.043 U	0.022 U	0.022 U	0.33	0.082	0.412
Sample Location: Sample ID: Sample Date: Sample Depth:	TAGM 4046 Rec. Soil Cleamp	Objective	10	30	5 6	ON C) C	N S	0.1	13	NC	2	N N	OZ.	O N	150	9		NC	S S	2 2) (Z	N N	NC	10
Sam		Nesources	NC	S S	00 20	63	NO.	1600	0.18	30	NO	3.9	2	U	U (N 2	107	_	Ŋ.	U () () U	NO.	N N	1
			NC	NC 320	0/2	1000	OZ.	10000	2.8	310	NC	1500	1500	O C	ر د کا) NC	2001		NC.	- 2 Z) (N ON	NC	U Z	1
	Restricted Use Soil Cleans Protection of Public Health		NC	NC S C	S Z	400	NC	2000	0.81	140	NO.	36	8 ;) (Z	ب د ک	2200	ì	_	N.	ب ا ا) () Z Z	NC	NC.	N N	1
	Unrestricted Use Soil Cleamup	_	NC	Z 5	SZ	63	S	1600	0.18	30	N C	3.9	7 .) (Z Z) (100			O C) C	N N	N	N S	J Z	0.1
·	Unite		mg/Kg	mg/Kg mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/ Kg	mg/Kg	mg/Kg	mg/ Ng	mg/ Ng	gy/gm	87/2m	mg/Kg	ò		mg/Kg	me/Ke	mg/Kg	mg/Kg	mg/Kg	mg/ kg	mg/Kg
	Parameters	Metals (Cont'd.)	Chromium Total	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potacium	Selentim	Silver	Sodium	Thallium	Vanadium	Zinc	nen.	PCBS	Aroclor-1016 (PCB-1016) Aroclor-1221 (PCB-1221)	Aroclor-1232 (PCB-1232)	Aroclor-1242 (PCB-1242)	Aroclor-1248 (PCB-1248)	Aroclor-1254 (PCB-1254) Aroclor-1260 (PCB-1260)	(10071-000)	Total PCBs

Notes:

Compound detected in an associated blank.

Estimated.

NC No Criteria.

PCBs Polychlorinated Biphenyls.

TAGM Technical and Administrative Guidance Memoranda.

Unon-detect at associated value.

TABLE 3

SOIL ANALYTICAL RESULTS SUMMARY 2020 RIVER ROAD WHEATFIELD, NEW YORK NOVEMBER 2006

					San	Sample Location: Sample ID: Sample Date: Sample Depth:	B-4 S-45596-112706-JRR-001 11/27/2006 6 - 8 ft	B-4 S-45596-112706-JRR-002 11/27/2006 10 - 12 ft	B-5 S-45596-112706-JRR-003 11/27/2006 0 - 4 ft	B-5 S-45596-112706-JRR-004 11/27/2006 6 - 8 ft	B-6 S-45596-112706-JRR-005 11/27/2006 2 - 6 ft
Parameters	Units C	Unrestricted Use Soil Cleanup Objectives	Restricted U Protection of i	Restricted Use Soil Cleanup Protection of Public Health Residential Commercial	Objectives rotection of Ecological Resources	TAGM 4046 Rec. Soil Cleanup Objective					
Volatile Organic Compounds	4/200										
ane	mg/ Kg	0.68 N.	9 Z	200	U C	0.8	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064.11
	mg/Kg	y y	J Z	y Z	U Z	0.6	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
	mg/Kg	0.27	19	240) C	ار د	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
	mg/Kg	0.33	100	200	Z	0.4	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
1,2,4-1 richiorobenzene 1,2-Dibromo-3-chloromena (DRCP)	mg/Kg	Ų į	NC:	N N	NO	3.4	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
de)	mg/ Ng mø/Kø	y Z	N Z	N N	O C	NC S	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
	mg/Kg	11	100	005	ن 2 ک) o 1 N	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
	mg/Kg	0.02	2.3	30	10	0.7	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
1,2-Dichloropropane	mg/Kg	S N	NC	NC	NC	NO.	0.0063 U	0.0065 U	0.0072.0	0.0065 U	0.0064 U
	mg/Kg	2.4	17	280	S	1.6	0.0063 U	0.0065 U	0.0072 U	0.0065 11	0.0064 U
Ethyl Ketone)	mg/ Ng mø/Kø	8.10	8. 5	130	50	8.5	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
	mg/Kg	Z Z	3 2	OS CX	BI 2	0.3	0.016 U	0.016 U	0.018 U	0.016 U	0.016 U
1-2-Pentanone (Methy! Isobuty! Keton	mg/Kg	NC	NC) N	O Z	7 -	0.016.0	0.016 U	0.018 U	0.016 U	0.016 U
	mg/Kg	0.05	100	200	2.2	0.2	0.013	0.016 U	0.018 0	0.016 U	0.016 U
Bromodich Joromoth 220	mg/Kg	0.06	2.9	44	70	90.0	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.016.0
	mg/ Kg	y y	N N	O C	ON!	O N	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
ane (Methyl Bromide)	mg/ Kg mø/ Kø	J C	y c	O C	O (S S	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
	ng/Kg	Z	NC S	Z	Ž	27	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
oride	mg/Kg	92'0	1.4	72	NC	0.6	0.0063 U	0.0065 U	0.00/2.0	0.0065 U	0.0064 U
a a	mg/Kg	1.1	100	200	40	1.7	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
Chloroform (Trichloromothons)	mg/Kg	O E	S S	N N	ON I	1.9	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
(e)	mg/ Ng mø/Kø	N. O.		350 NC	2 5	0.3	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
	mg/Kg	0.25	26	200) U	y y	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
ropropene	mg/Kg	NC	NC	NC	NC	NC	0.0063 U	0.0065 U	0.0072 11	0.0065 U	0.0064 U
Cyclohexane	mg/Kg	NC !	NC	NC	NC	NC	0.0063 U	0.0065 U	0.0072 U	0.0065 11	0.0004 0
(20,000)	mg/ Kg	S S	N S	NC	ON.	NC	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 11
	mg/ Kg mø/Kø	_ ا	S S	U S	U S	O i	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
ene	mg/Kg	, N	8 5	NC NC	ر د ک	ر. ر: ۲	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
	mg/Kg	Ž	NC S	Z	Ų) (0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
	mg/Kg	NC	NC	NC	ON.	Ž	0.0063 U	0.0065 U	0.0072 0	0.0065 U	0.0064 U
Methyl fert butyl Ether	mg/Kg	0.93	62	200	NO	NC	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 0
	mg/Kg	0.05	51	200	12	0.1	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
loroethene	mg/ Kg	۲ ۲ ۲ ۲	ا ا	Ų,	υ V	O,	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
	mg/Kg	0.7	100	nc T	7 %	1.4	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
trans-1,2-Dichloroethene	mg/Kg	0.19	100	200	g Z	c.1 0.3	0.0063 U	0.0065 U	0.0072 U	0.0065 U	0.0064 U
		•				-	2000	0.0000	0.0072 0	0.0065 U	0.0064 U

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TABLE 3

SOIL ANALYTICAL RESULTS SUMMARY
2020 RIVER ROAD
WHEATFIELD, NEW YORK
NOVEMBER 2006

 Sample Location:
 B-4
 B-5
 B-5

 Sample ID:
 S-45596-112706-JRR-001
 S-45596-112706-JRR-003
 S-45596-112706-JRR-004
 S-45596-112706-JRR-005

 Sample Date:
 11/27/2006
 11/27/2006
 11/27/2006
 11/27/2006

 Sample Depth:
 6 - 8 ft
 10 - 12 ft
 0 - 4 ft
 6 - 8 ft
 2 - 6 ft

		Unrestricted		Restricted Use Soil Cleanun Oliverines	Ohiectines	TAGM 4046					
		Use Soil			Protection of	Rec. Soil					
Parameters	Units	Cleanup Objectives	Protection of Residential	Protection of Public Health Residential Commercial	Ecological Resources	Cleanup Objective					
Volatiles (Cont'd.)	;										
trichloroothone	mg/Kg	S S	NC NC	NO.	NC	NC	0.0063 U	0.0065 U	0.0072 11	0.0065.11	11 6 00 0
Trichlorofluoromothana (CEC 11)	mg/ Kg	0.47	10	200	2	0.7	0.0063 U	0.0065 U	0.0072 11	0.0065 11	0.0064 U
Trifficontrichloroethane (Erona 112)	mg/ kg	ָ ב	y (S S	O N	O Z	0.0063 U	0.0065 U	0.0072 U	0.006511	0.0004 0
Vinyl chloride	mg/rg) 8 Z	U g	Ų,	OZ	9	0.0063 U	0.0065 U	0.0072 U	0.0065 11	0.0004
Xviene (total)	mg/ Ng	0.02	0.21	13	U Z	0.2	0.0063 U	0.0065 U	0.0072 U	0.0065 11	0.0004
(Sv /Siii	0.25	001	200	0.26	1.2	0.019 U	0.019 U	0.022 U	0.019 U	0.019 U
Semi-Volatile Organic Compounds						_					
2,2'-oxybis(1-Chloropropane) (bis(2-	mg/Kg	NC	NC	NC	NC	S S	0.42 U	0.43 U	0.4811	0.43.11	11.07
Chloroisopropyl) ether) 2.4.5_Trichlorophenol	7//	(;						0 05.0	0.42 0
2.4.5- Trichloronhand	1118/ Kg	ָ ב	S ;	O :	O N	0.1	0.42 U	0.43 U	0.48 U	0.43 U	0.42 11
2 4-Dichlorophanol	mg/kg	U (S S	O C	O N	S N	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
2.4-Dimethylphonel	84 /8III) C	<u>ک</u> :	U !	S	0.4	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
2.4-Dinitronhenol	84/8m) () V	Ų į	U !	O Z	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
2.4-Dinitrophuma	mg/ ng) (Z	ر د کا	ν,	IJ,	0.200	0.84 U	0.86 U	D 96.0	0.86 U	0.85 U
2 6-Dinitrotoluma	mg/ ng) (ر د کا	υ (Ų.	U Z	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
2.0-Dinitionalities	mg/ kg) N) ! !	S !	OZ.	-	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
2 Oblanational	mg/ Kg) (-	y :	S	S	O N	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
2 Marked and delication	mg/ Kg	U (U !	O N	N	8.0	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
2-ivietityinaphthalene 2 Mathodala	mg/Kg	U S	S S	O !	O N	36.4	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
2-inetitylphenoi	mg/ Kg	0.33	00 ;	200	O Z	0.100	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
2-Mittonbood	mg/ Kg) (Z	S ;	U !	NC	0.430	0.84 U	0.86 U	0.96 U	0.86 U	0.85 U
2-21 Distriction	mg/ Kg	Ų ;	S :	ON N	N	0.330	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
3,3 -Uchioropenziqine	mg/Kg	S S	S S	ON.	NC	OZ Z	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
3-Introanime	mg/ Kg	S :	y i	O N	NC	0.500	0.84 U	0.86 U	0.96 U	0.86 U	0.85 U
4.6-Dunto-z-memyiphenol	mg/ Kg) (Z) (Z	U N	U Z	O N	0.84 U	0.86 U	U 96.0	0.86 U	0.85 U
4-promothenyl pnenyl etner	mg/ Kg	Ž,	υ : Ζ :	O N	OZ.	O N	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
4 Oblocomilion	mg/ Kg	y C) (Z	S ;	O S	0.240	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
4-Chlorodonul shourd offer	mg/ kg) (N) (S C	O Z	0.220	0.42 U	0.43 U	0.48 U	0,43 U	0.42 U
4-Mobalophenyl prenyl enter	mg/ kg	N N) .	S	ON!	ON S	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
4-Miteographics	mg/ kg	0.33	£ ;	200	U	6:0	0.84 U	0.86 U	O 96:0	0.86 U	0.85 U
4-Nitrophenol	mg/ Ng) (2 2	J (U C	U I	U Z	0.84 U	0.86 U	0.96 U	0.86 U	0.85 U
Aconophilone	Sy /Sui	ع در) -	Z I	S	0.100	0.84 U	0.86 U	0.96 U	0.86 U	0.85 U
Acanachtudasa	mg/ Ng	0,5	001	200	20	20	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Acabahanana	mg/ kg	901	901	005	S !	41	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Applicatione	mg/ kg) P	U S) S	O !	ON I	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Attacina	mg/ kg	001	99 ;	200	U į	20	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Audzille Benzaldehude	mg/ Kg) C	U (Ŋ,	U (U !	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Porre(1) anthronous	mg/ kg	ر ک	IJ,	y i	O Z	O N	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Benzo(a)anunacene Benzo(a)avvene	mg/ Kg mg/ Kg	- -		5.6	S Z	0.224	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Taries (a) Li rerie	87 /8111	-	-	<u>-</u>	7.6	0.061	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U

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TABLE 3

SOIL ANALYTICAL RESULTS SUMMARY
2020 RIVER ROAD
WHEATFIELD, NEW YORK
NOVEMBER 2006

Sample Location:

whe Docation: B-4 B-5 B-5 B-5 B-5 B-5 B-5 S-45596-112706-JRR-003 S-45596-112706-JRR-004 S-45596-112706-JRR-005 A127/2006 11/27/2006 Sample Date: Sample Depth: Unrestricted Restricted Use Soil Cleanup Objectives TAGM 4046 Semi-Volatiles (Cont' Benzo(b)fluoranthene

		unrestricted	Kestrictea L	unrestricted Kestricted Use Soil Cleanup Objectives		TAGM 4046					
			:		Protection of	Rec. Soil					
Parameters	Units	Objectives	Residential	Residential Commercial	Ecological Resources	Cleanup Objective					
Semi-Volatiles (Cont'd.)											
Benzo(b)fluoranthene	me/Ko	-	-	7 5	C	;					
Benzo(g,h,i)perylene	mg/Kg	100	100	500) (N	1.1	0.42 U	0.43 U	0.48 U	0.43 U	0.42 11
Benzo(k)fluoranthene	mg/Kg	0.8	-	25.25	7 2	: ا	0.42 U	0.43 U	0.48 U	0.43 U	0.42 11
Biphenyl	mg/Kg	OZ.	OZ.	8 2) (1.1	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
bis(2-Chloroethoxy)methane	mg/Kg	N) N	, C) () (0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
bis(2-Chloroethy1)ether	mg/Kg	Z	Z) C	י נ) (0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
bis(2-Ethylhexyl)phthalate	mg/Kg	Z	Z	7 (2	י נ	<u>ر</u>	0.42 U	0.43 U	0.48 U	0.43 U	0.42 11
Butyl benzylphthalate	mø/Kø	, C	2 2	ייי) (S 1	0.7	99.0	0.18	0.43 U	0.17
Caprolactam	m9/Kg	2 2) () () (20	0.42 U	0.43 U	0.48 U	0.43 U	0.42 11
Carbazole	mo/Ko	ָ ב) (2 2) (Z	U C	S S	0.42 U	0.43 U	0.48 U	0.43 U	0.42.0
Chrysene	mo/Ko	ļ -) -	ני נ) (S S	0.42 U	0.43 U	0.48 U	0.43 U	0.42 11
Dibenz(a,h)anthracene	mg/Kg	0.33	0.33	36	U C	0.4	0.42 U	0.43 U	0.088	0.43 U	0.42 U
Dilvenzofuran	mø/Kø	7	77	0.20	2 2	0.014	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Diethyl phthalate	me/Ko	Č	ž V	220	ر د ۲	6.2	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Dimethyl phthalate	mo/Ko	, C	2 2	י נ צ) (2 2	Τ. •	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Di-n-butyIphthalate	mø/Ka) <u>C</u>	2 2) (2 2) (7 .	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Di-n-octyl phthalate	mo/Ko) C	2 2	ט נ) (8.1	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Fluoranthene	mo/Ko	2 5	2 5	ואַכ	ָר אַ ג'י	S (0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Fluorene	mo/Ko	30	8 5	200	ر ا	9 5	0.42 U	0.43 U	0.089	0.43 U	0.42 U
Hexachlorobenzene	mø/Kø	033	0 33	900	S 2	S 5	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Hexachlorobutadiene	ma/Ka	S Z	3 2	- \(\frac{1}{2}\)	ייט	0.41	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Hexachlorocyclonentadiene	ma/Ka) (2) (2 2) (2 2) () (Z	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Hexachloroethane	mo/Ko	Z) <u>C</u>	ט נ	ָר אַ גַּר אַ	y Ç	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Indeno(1,2,3-cd)pyrene	ma/Ka	7 2) 11) \ 	ر با کا د	- ک ز	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Isophorone	ma/Ka	C Z	C 2	0.0	N N	3.2	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Nanhthalene	84 /8 III	۽ ڏ	ر د د	Ų Š	Ų,	4.4	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Nitrolyenzene	11.8/ NB	7 5	901	200	U (13	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
N-Nitrosodi-n-propylamine	84 /8m) (Z 2	ָט ב	S Z	υ;	0.200	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
N-Nitrosodiuhenvlamine	84/8m) (Z Z	ָט ע ג	y C	U ;	Ž:	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Pentachlorophenol	8/ /8m	ا م) .) i) i	S S	0.42 U	0.43 U	0.48 U	0.43 U	0.42 1
Phenanthrene	mo/Ko	0.01	1.00	200	9 C	0.1 23	0.84 U	0.86 U	0.96 U	0.86 U	0.85 U
Phenol	me/Ke	0.33	81	200	الار ع الا	200	0.42 U	0.43 U	0.077	0.43 U	0.42 U
Pyrene	mø/Ko	001	200	000	96	5.03	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
	9., /9	-	8	000) N	20	0.42 U	0.43 U	0.48 U	0.43 U	0.42 U
Metals											
Aluminum	mg/Kg	NC	NC	NC	NC	NC	4160	4090	8050	0117	
Antimony	mg/Kg	N	NC	NC	NC	NC	0.16	0.16	0.70	4110	5420
Arsenic	mg/Kg	13	16	16	13	7.5	2.1	2.8	0.20	2.0	0.17
Barium	mg/Kg	350	350	400	433	300	15.1	<u> </u>		2.4	3.5
Beryllium	mg/Kg	7.2	14	290	10	0.16	0.2	0.18	0.47	15.6	32.5
Cadmium	mg/Kg	2.5	2.5	9.3	4	-	0.16	0.10	0.37	0.19	0.28
Calcium	mg/Kg	ON.	NC	NC	NC	NC	14000	14900	75.0	0.16	0.47
					•	-		00/27	0.70	70/00	20500

SOIL ANALYTICAL RESULTS SUMMARY 2020 RIVER ROAD WHEATFIELD, NEW YORK NOVEMBER 2006

					Sam	Sample Location: Sample ID: Sample Date: Sample Depth:	B-4 S-45596-112706-JRR-001 11/27/2006 6 - 8 ft	B-4 S-45596-112706-JRR-002 11/27/2006 10 - 12 ft	B-5 S-45596-112706-JRR-003 11/27/2006 0 - 4 ft	B-5 S-45596-112706-JRR-004 11/27/2006 6 - 8 ft	B-6 S-45596-112706-JRR-005 11/27/2006 2 - 6 ft
		Unrestricted Use Soil	Restricted U	Restricted Use Soil Cleanup Objectives	_	TAGM 4046 Rec. Soil					
Parameters	Units	- 10	Residential Commercial	Commercial	Ecological Resources	Cleanup Objective					
Metals (Cont'd.)											
Chromium Total	mg/Kg	NC	NC	NC	NC	10	6.4	63	;	;	
Cobalt	mg/Kg	N	NC	NC	ν Σ	30	4.4	7.0	11.4	6.1	7.9
Copper	mg/Kg	20	270	270	20	25	7.0	8, 1,	6.1	4.9	3.8
Iron	mg/Kg	NC	S	NC	N	2000	8660	7.7	20.6	7.4	20.8
Lead	mg/Kg	63	400	1000	63	N N	5.7	7360	12400	8660	9250
Magnesium	mg/Kg	NC	NC	NC	N	ON.	7470	4.7	19.7	4.6	18.1
Manganese	mg/Kg	1600	2000	10000	1600) U	152	154	3090	7050	11100
Mercury	mg/Kg	0.18	0.81	2.8	0.18	0.1	0.01911	134	149	153	502
Nickel	mg/Kg	30	140	310	30	13	10.	0.010.0	0.081	0.019	0.078
Potassium	mg/Kg	NC	NC	NC	N	Ž	289	10.4	15.3	10.7	10.2
Selenium	mg/Kg	3.9	36	1500	3.9	2	0.3 [1	731	8/6	711	970
Silver	mg/Kg	2	36	1500	2	Č	0.06 11	0.55.0	0.35 U	0.32 U	0.31 U
Sodium	mg/Kg	NC	NC	N	Ü) C	2 5 T	0.00	0.07 0	0.06 U	0.06 U
Thallium	mg/Kg	N	Z	CZ) () (0.40	9.1.9	70.4	59.6	49.6
Vanadium	mg/Kg	Ů,) N) C) () 61	0.30	0.41 U	0.45 U	0.41 U	0.39 U
Zinc	mg/Kg	109	2200	10000	109	25	24.5	8.6	16.4	9.3	13.1
	-					-	F. F. C	41.0	72.8	32.3	86.7
PCBs											
Aroclor-1016 (PCB-1016)	mg/Kg	SZ	NC	NC	N	UZ	0.317	0.031.11	11 360 0		
Aroclor-1221 (PCB-1221)	mg/Kg	ON.	SC	NC	N) U	0.43.11	0.031.0	0.035 U	0.031 U	0.031 U
Aroclor-1232 (PCB-1232)	mg/Kg	NC	NC	NC	ON N	, C	11 000	0.044	0.049 U	0.044 U	0.044 U
Aroclor-1242 (PCB-1242)	mg/Kg	NC	NC) N) V) () Z	0.22.0	0.022 U	0.025 U	0.022 U	0.022 U
Aroclor-1248 (PCB-1248)	mg/Kg	NO	NC	NC	NC	ON N	0.22 11	0.022.0	0.025 U	0.022.0	0.022 U
Aroclor-1254 (PCB-1254)	mg/Kg	NC	N	NC	NC	N	0.22 U	0.020	0.025.0	0.022 U	0.022 0
Aroclor-1260 (PCB-1260)	mg/Kg	ON.	NC	NC	NC	N N	0.82	0.022 U	0.025 U	0.022 U 0.022 U	0.022 U 0.022 U
Total PCBs	mg/Kg	0.1	1	1	1	10	0.82	ND	QN	ΩN	QN

Notes:

Compound detected in an associated blank.

J Estimated.

NC No Criteria.

PCBs Polychlorinated Biphenyls.

TAGM Technical and Administrative Guidance Memoranda.

U Non-detect at associated value.

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SOIL ANALYTICAL RESULTS SUMMARY 2020 RIVER ROAD WHEATFIELD, NEW YORK NOVEMBER 2006

					San	Sample Location: Sample ID: Sample Date: Sample Depth:	B-6 S-45596-112706-JRR-006 11/27/2006 8 - 10 ft	B-7 S-45596-112806-JRR-009 11/28/2006 4 - 6 ft	B-7 S-45596-112806-JRR-010 11/28/2006 8 - 10 ft	B-8 S-45596-112806-JRR-007 11/28/2006 0 - 4 ft	B-8 S-45596-112806-JRR-008 11/28/2006 8-10-ft
	<u>n</u>	Unrestricted Use Soil Cleanue	Restricted Us	Restricted Use Soil Cleanup Objectives Protection of Public Health		TAGM 4046 Rec. Soil					
Parameters	Units		Residential Commercial	Commercial	Resources	Objective					
spunodi											
1,1,1-1richloroethane	mg/Kg	89.0	100	200	NC	8.0	0.0066 U	0.0063 U	0.0063.17	0 0065 11	
	mg/ Kg mø/Kø	y Z	U C	O Z	S Z	9.0	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
	mg/Kg	0.27) <u>P</u>) S	U C	O d	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
	mg/Kg	0.33	100	240	N N	0.7	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0011
1,2,4-1 richlorobenzene	mg/Kg	S S	NC	NC	NO	3.4	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
de)	mg/ Kg me/Ko	y Z	O C	S S	S Z	OZ :	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
	mg/Kg	2 -	100) O	ر 2 ک	U S	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
	mg/Kg	0.02	23	3 8	10	0.1	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
	mg/Kg	NC	NC	NC	NO	N N	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
1,2-Dichlorobanzana	mg/Kg	2.4	17	280	NC	1.6	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
Ethyl Ketone)	mg/ kg	1.8 0.10	8.6	130	50	8.5	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 [1]
	me/Ke	71.0 UN	8 Z	200	001	0.3	0.016 U	0.011	0.016 U	0.016 U	0.016 U
entanone (Methyl Isobutyl Keton	mg/Kg	N N	N S	N N) U) -	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U
	mg/Kg	0.05	100	200	2.2	0.2	0.016 U	0.067	0.016 U	0.016 U	0.016 U
Benzene	mg/Kg	90:0	2.9	4	70	90:0	0.0066 U	0.0063 U	0.0063 U	0.06511	0.016 U
	mg/ Kg	N S	S S	υ i	ON.	S	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 11
ane (Methyl Bromide)	mg/ kg mø/Kø	J Z	Z Z	S S	U C	O C	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
	mg/Kg	N N	y S) C	ט ע) \ 1	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
oride	mg/Kg	9.76	1.4	22	OZ.	0.6	0.0066 U	0.0048	0.00088	0.0015	0.0066 U
Chlorobenzene	mg/Kg	1.1	100	200	40	1.7	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
Chloroform (Trichloromethane)	mg/Kg	S S	Σ,	O S	ON S	1.9	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0012
Chloromethane (Methyl Chloride)	mg/Kg	S Z	e Z	955 CN	217	0.3	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
cis-1,2-Dichloroethene	mg/Kg	0.25	29	200) N) OZ	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
ropropene	mg/Kg	N	NC	NC	NC	NC	0.0066 U	0.0063 U	0.0063 U	0.0065 11	0.0011
Oytionexane Dibromochloromothana	mg/Kg	N Z	S S	O C	O (NC	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
e (CFC-12)	mg/ Ng mo/Ko	ט ע) (U C	O C	O C	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
	mg/Kg	- 1	30	390) C	ט ע	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
ne	mg/Kg	NC	Z) N) UN	S Z	0.0068 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
	mg/Kg	NC	NC	NC	ON.	N N	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
Methyl cyclohexane Methyl Tart Butyl Ethan	mg/Kg	N S	Ñ.	ON S	NO	NO	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
	mg/Kg	20.0	7 12	200	D ;	O ,	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
	mg/Kg	S N	īΣ	00 Z	ZI	0.I	0.0066 U	0.03	0.016	0.03	0.0059
oroethene	mg/Kg	1.3	5.5	150	2	1.4	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U
	mg/Kg	0.7	100	200	36	1.5	0.0066 U	0.0011	0.00073	0.00095	0.0066 U
trans-1,Z-Dichloroethene	mg/Kg	0.19	100	200	NC	0.3	0.0066 U	0.0063 U	0.0063 U	0.0065 U	0.0066 U

TABLE 3

SOIL ANALYTICAL RESULTS SUMMARY 2020 RIVER ROAD WHEATFIELD, NEW YORK NOVEMBER 2006

					San	Sample Location: Sample ID: S Sample Date: Sample Depth:	B-6 S-45596-112706-JRR-006 11/27/2006 8 - 10 ft	B-7 S-45596-112806-JRR-009 11/28/2006 4 • 6 /t	B-7 S-45596-112806-JRR-010 11/28/2006 8 - 10 ft	B-8 S-45596-112806-JRR-007 11/28/2006 0 - 4 ft	B-8 S-45596-112806-JRR-008 11/28/2006 8 - 10 ft
Parameters	Umits (Unrestricted Use Soil Cleanup Objectives	Restricted Use Soil Cleanu Protection of Public Health Residential Commercial			TAGM 4046 Rec. Soil Cleanup Objective					
Volutiles (Cont'd.) trans-1,3-Dichloropropene	mg/Kg	SC	S	S	N.	CN	0.0066.11	11 62000			
Trichloroethene Trichlorofluoromethane (CFC-11)	mg/Kg mg/Kg	0.47 NC	01 Z	200 N.C	2 2	0.7	0.006 U	0.0063 U	0.0063 U 0.0063 U	0.0065 U 0.0065 U	0.0066 U 0.0066 U
Trifluorotrichloroethane (Freon 113) Vinyl chloride	mg/Kg	U S) N	N S	Z Z	9 5	0.0066 U	0.0063 U 0.0063 U	0.0063 U 0.0063 U	0.0065 U 0.0065 U	0.0066 U 0.0066 U
Xylene (total)	mg/ Kg	0.26	100	500	0.26	1.2	0.0066 U 0.02 U	0.0063 U 0.019 U	0.0063 U 0.019 U	0.0065 U 0.019 U	0.0066
Semi-Volatile Organic Compounds					_						
2,2"-oxybis(I-Chloropropane) (bis(2- chloroisopropyl) ether)	mg/Kg	N N	SC	SC	NC	NC	0.43 U	0.41 U	0.41 U	0.43 U	0.43 U
2,4,5-Trichlorophenol	mg/Kg	N S	NC	NC	NC	0.1	0.43 U	0.41 U	0.41 U	0.4317	0.43.11
2,4,0-111cmorphenol 2,4-Dichlorophenol	mg/ Kg mg/ Kg	Z Z	N N	N Z	N C	NC 0.	0.43 U	0.41 U	0.41 U	0.43 U	0.43 U
2,4-Dimethylphenol	mg/Kg	N S	ΝS	N N) U	4.0 CN	0.43 U	0.41 U	0.41 U	0.43 U	0.43 U
2,4-Dinitrophenol	mg/Kg	NC	NC	NC	OZ	0.200	0.87 U	0.41 U 0.83 U	0.41 0	0.43 U 0.86 II	0.43 U
z,4-Dintrotoluene 2.6-Dintrotoluene	mg/Kg	O C	Ž Ž	O (OZ:	NC	0.43 U	0.41 U	0.41 U	0.43 U	0.43 U
2-Chloronaphthalene	mg/Kg) N	ر ا ا	y y	y y	L Z	0.43 U	0.41 U	0.41 U	0.43 U	0.43 U
2-Chlorophenol	mg/Kg	NC	S	N) N	0.8	0.43 U	0.41 U	0.41 U	0.43 U 0.43 U	0.43 U
z-Methyinaphthalene 2-Methylphenol	mg/Kg	N S	2 5	N S	NC	36.4	0.43 U	0.065	0.41 U	0.076	0.43 U 0.43 U
2-Nitroaniline	mg/Kg	NC.S	8 Z	00 Z	U C	0.100	0.43 U	0.41 U	0.41 U	0.43 U	0.43 U
2-Nitrophenol	mg/Kg	N N	NC	NC	2 2	0.330	0.87 U 0.43 U	0.83 U	0.83 U 0.41 H	0.86 U 0.43 U	0.87 U
3,3'-Dichlorobenzidine 3-Nitroantline	mg/Kg	O Z	S S	N S	N S	NC	0.43 U	0.41 U	0.41 U	0.43 U	0.43 U
4,6-Dinitro-2-methylphenol	mø/Kø	y y	Z Z	Z Z	U Z	0.500 NC	0.87 U	0.83 U	0.83 U	0.86 U	0.87 U
4-Bromophenyl phenyl ether	mg/Kg	N N	S S	Z Z	ΣŽ	Z Z	0.87 U 0.43 U	0.83 U	0.83 U 0.41 II	0.86 U	0.87 U
4-Chloro-3-methylphenol	mg/Kg	S S	S.	NO	NC	0.240	0.43 U	0.41 U	0.41 U	0.43 U	0.43.0
4-Chlorophenyl phenyl ether	mg/ Kg mø/ Kg	y c	N C	O C	O C	0.220	0.43 U	0.41 U	0.41 U	0.43 U	0.43 U
4-Methylphenol	mg/Kg	0.33	\$ 15) <u>[</u>) (N	Je	0.43 U	0.41 U	0.41 U	0.43 U	0.43 U
4-Nitroaniline	mg/Kg	NC	S S	S S	Z	6.5 O	0.87 U	0.14	0.83 U	0.86 U	0.87 U
4-Nitrophenol	mg/Kg	NC	NC	NC	NC	0.100	0.87 U	0.83 U	0.83 11	0.86 U	0.87 U
Acenaphthene Acenaphthylone	mg/Kg	2 6	00 5	200	20	20	0.43 U	0.41 U	0.41 U	0.43 U	0.43 U
Acetophenone	mg/ Ng	001 V	901	200	O Ç	41	0.43 U	0.41 U	0.41 U	0.43 U	0.43 U
Anthracene	mg/Kg	100	. Si	200	ک کر	Z 5	0.43 U	0.41 U	0.41 U	0.43 U	. 0.43 U
Atrazine	mg/Kg	NC	NC	S	Z	NC	0.43 U	0.41 U	0.41 U	0.43 U 0.43 U	0.43 U
benzaldehyde Benzo(a)anthracene	mg/Kg	ν.	Ņ,	S .	N S	NC	0.43 U	0.41 U	0.41 U	0.43 U	0.43 U
Benzo(a)pyrene	mg/Kg	1 1		3.6	2 C	0.224	0.43 U 0.43 II	0.086	0.41 U	0.16	0.43 U
		•			•	-	0 04.7	v.vo/	0.41 0	0.21	0.43 U

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SOIL ANALYTICAL RESULTS SUMMARY
2020 RIVER ROAD
WHEATFIELD, NEW YORK
NOVEMBER 2006

S-45596-112806-JRR-008 11/28/2006 8 - 10 ft B-8 Sample Location: B-6 B-7 B-7 B-7 B-7 B-7 Sample ID: S-45596-112706-JRR-006 S-45596-112806-JRR-009 S-45596-112806-JRR-007

					0,	Sample Date: Sample Depth:	11/27/2006 8 - 10 ft	5- 2 5596-1128 06-JKK- 009 11/28/2006 4 - 6 ft	5-45596-112806-JRR-010 11/28/2006 8 - 10 ft	S-45596-112806-JRR-007 11/28/2006 0 - 4 ft	S-45596-112806-JRJ 11/28/2006 8 - 10 ft
		Unrestricted	Restricted U	Restricted Use Soil Cleanup Objectives	\vdash	TAGM 4046					•
		Use Soil	Destruction of Bullin Han	=	f	Rec. Soil					
Parameters	Units	Objectives	Residential	Commercial	Resources	Uleanup Objective					
Semi-Volatiles (Cont'd.)											
Benzo(b)fluoranthene	mg/Kg	1		5.6	NC	1.1	0.43.11				
Benzo(g,h,i)perylene	mg/Kg	100	100	200	N	Š	0.4311	0.05	0.055	0.21	0.43 U
Benzo(k)fluoranthene	mg/Kg	8.0	1	26	NC	1:1	0.43 U	0.093	0.41 U	0.26	0.43 U
biphenyl	mg/Kg	SC	NC	Z	NC	NC	0.43 U	0.41.0	0.41 0	0.16	0.43 U
bis(2-Chloroethoxy)methane	mg/Kg	S	S	Z	NC	S	0.43 U	0.41 0	0.41.0	0.43 U	0.43 U
his(2-Chloroethyl)ether	mg/Kg	O N	NC	NC	NC	NC	0.43 U	0.41 11	0.41 0	0.43 U	0.43 U
Dis(2-Ethylhexyl)phthalate	mg/Kg	U	NC	NC	N	20	0.11	0.76	0.41.0	0.43 U 0.53	0.43 U
butyt benzylphthalate	mg/Kg	U (ON.	N N	ON.	20	0.43 U	0.41 U	0.41 11	0.53	0.12
Carland	mg/Kg	U (U I	U Z	O Z	NC NC	0.43 U	0.41 U	0.41 U	0.43.11	0.43 U
Chrysens	mg/ kg	Z -	Ų,	O ,	Ų,	O N	0.43 U	0.41 U	0.41 U	0.43 U	0.43 U
Dibenz(a,h)anthracene	mø/Kø	0.33	0.33	36	U (0.4	0.43 U	0.14	0.075	0.23	0.43 U
Dibenzofuran	mø/Kø	2	14	350) (0.014	0.43 U	0.41 U	0.41 U	0.078	0.43 U
Diethyl phthalate	mø/Kø	Ž	Z	OLV CIV) (2.5	0.43 U	0.41 U	0.41 U	0.43 U	0.43 U
Dimethyl phthalate	mg/Kg	Ü) C	y C) (۲.,	0.43 U	0.079	0.41 U	0.43 U	0.43 U
Di-n-buty/phthalate	mg/Kg	N	Z	Z) (2 1 8	0.43 U	0.41 U	0.41 U	0.43 U	0.43 U
Di-n-octyl phthalate	mg/Kg	N) N) N	Z	1.05	0.43 U	0.73	0.41 U	0.14	0.43 U
Fluoranthene	mg/Kg	100	100	005) C	8 6	0.45.0	0.41 U	0.41 U	0.43 U	0.43 U
Fluorene	mg/Kg	30	100	200	2 5	8 6	0.43 U	0.15	0.14	0.19	0.43 U
Hexachl o robenzene	mg/Kg	0.33	0.33	9	S Z	0.41	0.43 []	0.41 0	0.41 U	0.43 U	0.43 U
Hexachlorobutadiene	mg/Kg	U Z	N	N	Z	Ž	0.43.11	0.410	0.410	0.43 U	0.43 U
Hexachlorocyclopentadiene	mg/Kg	NC	NC	NC	ON.	NC	0.43 U	0.4111	0.41 0	0.43 U	0.43 U
Hexachloroethane	mg/Kg	S	NC	N	NC	NC	0.43 U	0.4117	0.41.0	0.43.0	0.43 U
Indeno(1,2,3-cd)pyrene	mg/Kg	0.5	0.5	5.6	NC	3.2	0.43 U	0.067	0.41.0	0.43 U	0.43 U
Isophorone	mg/Kg	NC	NC	NC	NC	4.4	0.43 U	0.41 U	0.41.0	0.10	0.43 U
Naphthalene	mg/Kg	12	100	200	NO	13	0.43 U	0.15	0.4111	0.45.0	0.43 0
Nitrobenzene	mg/Kg	O N	Š	NC	NC	0.200	0.43 U	0.41 U	0.41 []	0.001	0.45 0
M Militosodi-n-propylamine	mg/Kg	U (Ų.	Š	S	NC	0.43 U	0.41 U	0.41 U	0.4311	0.43.0
Pentachlorophenylamine Pentachlorophonol	mg/ Kg	Ž s	Ų,	Σ.	O N	S N	0.43 U	0.41 U	0.41 U	0.43 U	0.43 U
Phononthrono	gy /gm	8.0	2.4	6.7	8.0	1.0	0.87 U	0.83 U	0.83 U	0.86 U	0.87 11
Phenol	mg/ Ng	100	8 5	00.5	U 8	20	0.43 U	0.1	0.093	0.17	0.43 U
Pyrene	me/Ke	100	8 5	000	3 2	0.03	0.43 U	1.3	0.41 U	0.17	0.43 U
	957 /9111	201	901	000) Z	ς -	0.43 U	0.13	0.097	0.16	0.43 U
Metals											
Aluminum	mg/Kg	NO	Š	NC	NC	NC	4370	2830	3440	2030	0000
Antimony:	mg/Kg	NC.	NO.	NC	NC	NC	0.18	5.6	0.14 U	2.20	0.1511
Arsenic	mg/ Kg	13	16	16	13	7.5	4	10	3.1	9.1	3.5
Barum Bardina	mg/Kg	320	350	400	433	300	15.3	35	13.5	81	16.1
Cadmium	mg/Kg	2.7	14	590	10	0.16	0.22	0.01 U	0.16	0.01 U	0.2
Calcium	mg/ Ng mg/Kg	C Z	5.2 VIV	5.7	4 7	1	0.21	0.97	0.14	0.64	0.18
	0/0))	<u>-</u>)	_) !	14400	6100	15900	8570	13200

TABLE 3

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SOIL ANALYTICAL RESULTS SUMMARY 2020 RIVER ROAD WHEATFIELD, NEW YORK NOVEMBER 2006

**				
B-8 S-45596-112806-JRR-008 11/28/2006 8 - 10 ft		6.4 4.9 10.1 9740 7.4 6350 149 0.021 U 10.9 700 0.32 U 0.06 U 86.8 0.41 U 9.8 42.2	0.022 U 0.022 U 0.022 U 0.022 U 0.022 U	QN
B-8 S-45596-112806-JRR-007 11/28/2006 0 - 4 ft		72.9 3.6 138 28300 75.2 1180 256 0.52 39.7 39.7 340 0.17 340 0.4 U 30.3 166	0.022 U 0.022 U 0.022 U 0.03 0.03	0.13
B-7 B-7 B-8 S-45596-112806-JRR-009 S-45596-112806-JRR-010 S-45596-112806-JRR-007 11/28/2006 11/28/2006 11/28/2006 4 - 6 ft 8 - 10 ft 0 - 4 ft		5.8 4.3 7.9 8790 22.1 5550 124 0.02 U 10 595 0.3 U 0.06 U 97.7 0.38 U 97.7 0.38 U 97.7	0.021 U 0.021 U 0.021 U 0.021 U 0.021 U	ND
B-7 S-45596-112806-JRR-009 11/28/2006 4 - 6 ft		145 6.7 189 36400 338 412 195 116 167 93 4.4 0.29 366 0.39 U 16.5 644	0.021 U 0.021 U 0.021 U 0.021 U	0.042
B-6 S-45596-112706-JRR-006 11/27/2006 8 - 10 ft		6.6 5.6 8.4 10600 5.9 6430 182 0.02 U 12 785 0.32 U 0.06 U 57.1 0.41 U 10.5 43.9	0.022 U 0.022 U 0.022 U 0.022 U 0.018	0.018
Sample Location: Sample ID: Sample Date: Sample Depth:	TAGM 4046 Rec. Soil Cleanup	Objective 10 10 25 2600 NC		10
Sam	_	NC N	N N N N	1
		NC NC 10000 1500 1500 NC		1
	I 4 1	NC N	N N N N	
	Unrestricted Use Soil Cleanup	C C C C C C C C C C C C C C C C C C C	N N N N	0.1
	Units	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	mg/Kg mg/Kg mg/Kg mg/Kg	mg/Kg
	Parameters	Metals (Cont'd.) Chromium Total Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium Selenium Silver Sodium Thallium Vanadium Zinc PCBs Aroclor-1016 (PCB-1016) Aroclor-1221 (PCB-1221) Aroclor-1232 (PCB-1232)	Aroclor-1242 (PCB-1242) Aroclor-1248 (PCB-1248) Aroclor-1254 (PCB-1254) Aroclor-1260 (PCB-1260)	TOTAL I'C DS

Notes:

B Compound detected in an associated blank.
J Estimated.
NC No Criteria.
PCBs Polychlorinated Biphenyls.
TAGM Technical and Administrative Guidance Memoranda.
U Non-detect at associated value.

GROUNDWATER ANALYTICAL RESULTS SUMMARY 2020 RIVER ROAD WHEATFIELD, NEW YORK NOVEMBER 2006 TABLE 4

		New York S	Sample Location: Sample ID: Sample Date: State Water	MW-1 GW-45596-113006-JRR-016 11/30/2006	MW-1 GW-45596-113006-JRR-016 GW-45596-113006-JRR-017 GW-45596-113006-JRR-018 GW-45596-113006-JRR-019 11/39/2006 11/39/2006	MW-3 GW-45596-113006-JRR-018 11/30/2006	MW-4 GW-45596-113006-JRR-019 11/302006
Parameters	Units -	Quality Units Standards Guid	ıality Guidance Values				
Volatile Organic Compounds							
1,1,1-Trichloroethane	1/8n	5 H(WS)	NC	5.0	115	113	ļ
1,1,2,2-1 etrachloroethane	$_{ m T/BH}$	5 H(WS)	NC	5 U	0.5) I	0.6
1,1,2-1 richloroethane	ng/L	1 H(WS)	NC	5 U	11.5) I	0::
1,1-Dichloroethane	η/gπ	5 H(WS)	NC	511) L	0:	5.0
1,1-Dichloroethene	η/gπ	5 H(WS)	NC	511) L) s c	5 U
1,2,4-Trichlorobenzene	η/gπ	5 H(WS)	NC	511	ם מ	0.6	5 U
1,2-Dibromo-3-chloropropane (DBCP)	T/8n	0.04 H(WS)	NC	2.0 5.0	0.6) [50
1,2-Dibromoethane (Ethylene Dibromide)	ng/L 0	ng/L 0.0006 H(WS)	NC	5.0) 		06
1,2-Dichlorobenzene	η/gπ	3 H(WS)	NC	5.0	200) i	50
1,2-Uichloroethane	η/gπ	0.6 H(WS)	NC	5 U	D S) 1	0 2
1,2-Uichioropropane	η/βπ	1 H(WS)	NC	5 U	5 U) 	0.00
1,3-Uichlorobenzene	η/gπ	3 H(ws)	NC	5 U	5 U	200	ם ב
1,4-Utchlorobenzene	T/8n	3 H(WS)	NC	5 U	5 U	0.5)
z-butanone (Methyl Ethyl Ketone)	η/gπ	NC	50 H(WS)	13 U	13 U	13 U	13.11
A Mother 2 Postanone (Mailes) I 1 v. 1v.	μg/L	υ;	50 H(WS)	13 U	13 U	13 U	13 U
4-ivieuty1-2-rentanone (Methyl Isobutyl Ketona	ng/L	NC	NC	13 U	13 U	13 U	1311
Acetone	T/Bn	NC	50 H(WS)	13 U	13 U	13 U	13.11
benzene	η/gπ	1 H(WS)	NC	5 U	5 U	50) i
bromodichloromethane	η/gπ	NC	50 H(WS)	5 U	5 U	0 S	511
Bromotorm	η/gπ	NC	50 H(WS)	5 U	5 U	n s	15
Bromomethane (Methyl Bromide)	η/gπ	5 H(WS)	NC	50	5 U) n s	
Carbon disultide	η/gπ	N	60 H(WS)	50	5 U	0.5	15
Carbon tetrachloride	η/gπ	5 H(WS)	NC	5 U	50	5 U	115
Chlorobenzene	T/8n	5 H(WS)	NC	5 U	5 U	5 U	50
Chloroethane	T/Bn	5 H(WS)	NC	5 U	50	5 U	118
Chloroform (Trichloromethane)	T/gn	7 H(WS)	NC	1.5	50	2.1	n s
Chloromethane (Methyl Chloride)	T/Brt	5 H(WS)	N N	5.0	5 U	5 U	5.0
cis-1,2-Dichloroethene	T/Brt	5 H(WS)	NC	3.2	5.0	5 U	n s
cis-1,3-Uichloropropene	η/gπ	NC	NC NC	5.0	5 U	5 U	5.0
Cyclonexane	T/Bit	NC	NC	5 U	5 U	5 U	50
Ulbromochloromethane	J/gn	Ų Ž	50 H(WS)	50	5.0	5 U	5 U
Dichlorodifluoromethane (CFC-12)	T/8n	5 H(WS)	NC	5 U	5.0	5 U	5.0
Ethylbenzene	T/gn	5 H(WS)	NC	50	5 U	5 U	0.5
Isopropyibenzene	$_{ m T/gn}$	5 H(WS)	NC	5 U	5 U	5 U	118
Methyl acetate	η/gπ	NC	NC	50	5 U	5 U	11.5
Methyl cyclohexane	η/gπ	UN	NC	50	5 U	ΩS	200
Methyl Tert Butyl Ether	η/gπ	S	10 H(WS)	5 U	5 U	511	115
Methylene chloride	η/gπ	5 H(WS)	NC	5 U	5 U	50	511
Styrene	T/8n	5 H(WS)	NC	5 U	5 U	50	ns ns
Tetrachloroethene Telissis	η/gπ	5 H(WS)	NC	5 U	5 U	5 U	5 U
וחקות	μg/ L	5 H(WS)	O N	1.5	1.2	1.1	1.3

GROUNDWATER ANALYTICAL RESULTS SUMMARY 2020 RIVER ROAD WHEATFIELD, NEW YORK NOVEMBER 2006 TABLE 4

		New York	Sample Location: Sample ID: Sample Date: New York State Water	MW-1 GW-45596-113006-JRR-016 11/30/2006	MW-2 GW-45596-113006-JRR-017 11/30/2006	MW-3 GW-45596-113006-JRR-018 11/30/2006	MW-4 GW-45596-113006-JRR-019 11/30/2006
Parameters	Units -	Q Standards	Quality s Guidance Values				
Volatiles (Cont'd.)							
trans-1,2-Dichloroethene	η/gπ	5 H(WS)	NC	5.0	5 U	5 U	115
rans-1,3-Dichloropropene Trichlorophone	μg/L	OZ.	NC	5 U	5 U	D S	
Trichloud discussion (OD) 44)	μg/L	5 H(WS)	Ų,	5 U	5 U	5 U	115
Tightonoromethane (CFC-11)	πg/Γ	5 H(WS)	N	5 U	5 U	5.0	D L
Influorothichloroethane (Freon 113)	η / Γ	5 H(WS)	NC	5 U	5 U) 	0 1
V myl chlonde	ng/L	2 H(WS)	NC	9.3	0.5) I	0.0
Xylene (total)	η/gπ	NC	NC	5.0	5.0	20	50
Semi-Volatile Organic Compounds							
2,2'-oxybis(1-Chloropropane) (bis(2-	η/gπ	5 H(WS)	NC	11 U	10 U	10 U	101
2,4,5-Trichlorophenol	1/011	UN	Ü	1		, ;)
2,4,6-Trichlorophenol	1/61			110	0.01	10 U	10 U
2,4-Dichlorophenol	1/61	5 H(WS)) C	110	100	10 U	10 U
2.4-Dimethylphenol	1/81	NO CIN	50 11/14/6)	110	10 0	10 U	10 U
2.4-Dinitrophenol	1/81	ָר בי	30 FI(WS)) II 0	10 U	10 U	10 U
2,4-Dinitrotoluene	1/21	SHOWS	NC NC	21 0	20 U	20 U	20 U
2.6-Dinitrotoluene	1/81	5 H(MS)		110	10 0	10 U	10 U
2-Chloronaphthalene	1/8,1	MC NC	10E	110	10 U	10 U	10 U
2-Chlorophenol	1/8'H		IOE NO	011	10 U	10 U	10 U
2-Methylnaphthalene	1/84			110	10 U	10 U	10 U
2-Methylphenol	1/8/L) C	110	10 U	10 U	10 U
2-Nitroaniline	1/2/	5 H(WC)		110	10 U	10 U	10 U
2-Nitrophenol	1/81	NC NC) (21.0	20 U	20 U	20 U
3.3'-Dichlorobenzidine	1 / 2 :	5 H/M/C)		110	10 0	10 U	10 U
3-Nitroaniline	1/81	(SW)H 5) (Z Z); ;;	10 U	10 U	10 U
4 6-Dinitro-2-methylelenel	1,61	511(775)) (21 0	20 U	20 U	20 U
4. Bromonhowyl nhowyl other	ug/ L	י גע	ט ג צ	21.0	20 U	20 U	20 U
4-Chloro-3-mothyllahonol	1/8/L	ט נ ג) N	110	10 U	10 U	10 U
4-Chloroaniline	7/2m	FUME) U	11.0	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	1/84) 11(vv) NIC) (0110	10 0	10 U	10 U
4-Methylphenol	1/8/L) V	011	10 U	10 U	10 U
4-Nitroaniline	18/ L) N	21 U	20 U	20 U	20 U
4-Nitronhonol	7/8H	(cw)Lr) N	21 0	20 U	20 U	20 U
Aconspheno	ng/r		NC NC	21 U	20 U	20 U	20 U
Acenaphthylene	1/8/L) (Z Z	20 H(WS)	110	10 U	10 U	10 U
Actorbanana	1,7) (Z	ָרְ נייני	11.0	10 U	10 U	10 U
Anthropie	μg/L	U (N I	11 U	10 U	10 U	10 U
Amarina	μg/L	ر ا ک	50 H(WS)	11 U	10 U	10 U	10 U
Audzule Benzeldebude	µg/L	7.5 H(WS)	N N	11.0	10 U	10 U	10 U
Bonzo(a)anthracana	Hg/L	U (NC	11 U	10 U	10 U	10 U
Benzo(a)pyrene	Hg/L	NC ND HAME	0.002 H(WS)	110	10 U	10 U	10 U
(A/p)	7 /SH	(SW)LI (NS)	ואל	11.0	10 0	10 U	10 U

GROUNDWATER ANALYTICAL RESULTS SUMMARY 2020 RIVER ROAD WHEATFIELD, NEW YORK NOVEMBER 2006 TABLE 4

		New York	Sample Location: Sample ID: Sample Date: New York State Water	MW-1 GW-45596-113006-JRR-016 11/30/2006	MW-2 GW-45596-113006-JRR-017 11/30/2006	MW-3 GW-45596-113006-JRR-018 11/30/2006	<i>MW-4</i> GW-45596-113006-JRR-019 11/30/2006
Parameters	Units	Qui Standards (Quality S Guidance Values				
Semi-Volatiles (Cont'd.)							
Benzo(b)fluoranthene	$\mu g/L$	NC	0.002 H(WS)	11 U	1011		
Benzo(g,h,i)perylene	$^{\rm hg/\Gamma}$	NC	OZ.	11 U	1101	0.01	10 U
Benzo(k)fluoranthene	$\eta g/\Gamma$	N	0.002 H(WS)	1111		0.01	10 U
Biphenyl	ηZ/L	5 H(WS)) V		001	10 U	10 U
bis(2-Chloroethoxy)methane	ηση T/aπ	5 H(WS)) <u>C</u>	7	10 0	10 U	10 U
bis(2-Chloroethyl)ether	1/61	1 H(WS)		011	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	1/61	(CM)III	ָר ע ע	11.0	10 U	10 U	10 U
Butyl benzylphthalate	1/6/1	(Su)Tr	50 H/M/C)	6.2	10 U	7.4	4.3
Caprolactam	1/6/1) N	NC NC); ;	10 U	10 U	10 U
Carbazole	1/6/1	y C) L	0 11	10 U	10 U	10 U
Chrysene	1/611) C	O OO HAME	110	10 U	10 U	10 U
Dibenz(a,h)anthracene	1/6/ Z) Z	0.002 11(113) NC		10 U	10 U	10 U
Dibenzofuran	1/on) N	y C	011	10 U	10 U	10 U
Diethyl phthalate	1/01) (Z	50 H/M/C)	0;;	10 U	10 U	10 U
Dimethyl phthalate	1/2/1) (N	50 11(14)5)	0 11	10 U	1.4	10 U
Di-n-burkliphthalate	1,8, L	01101	30 H(WS)	11 U	10 U	10 U	101
Di-n-octyl systematic	п <u>в</u> /г	(SW)H nc	S	11 U	10 U	4	101
Fluoranthan	μg/L) (Z	50 H(WS)	11 U	10 U	10 U	1101
Elizabeth	μg/L) Z	50 H(WS)	11 U	10 U	10 U	1101
ruorene	η/Sπ	NC	50 H(WS)	11 U	10 U	101	100
Trexachiorobenzene	ng/L	0.04 H(WS)	NO	11 U	10 U	1011	1101
Hexachlorobutadiene	ng/Γ	0.5 H(WS)	NC	11 U	10 U	101	0.01
Hexachiorocyclopentadiene	$^{\rm ng/\Gamma}$	5 H(WS)	NC	21 U	20 U	2011	0.01
Hexachloroethane	$\eta g/\Gamma$	5 H(WS)	NC	11 U	1011	101	2002
Indeno(1,2,3-cd)pyrene	$\eta g/\Gamma$	NC	0.002 H(WS)	11 U	101	100	10.0
Isophorone	$\eta g/\Gamma$	N C	50 H(WS)	11 U	101	100	0.01
Naphthalene	$\mu g/L$	S	10 E	11.0	1101	001	001
Nitrobenzene	$\mu g/L$	0.4 H(WS)	NC	11 0	1101	001	0.01
N-Nitrosodi-n-propylamine	$\mu g/L$	NC	NC	110	1101	001	0.01
N-Nitrosodiphenylanune	$\mu g/L$	NC	50 H(WS)	11 U	1101	0 2	10.0
Pentachlorophenol	$\mu g/L$	1 E	NON	21 U	2011	001	10.0
Phenanthrene	ηg/L	NC	50 H(WS)	11 11	101	20.02	20 0
Phenol	ug/L	1 E) UN	1111	001	0.01	10 U
Pyrene	1/0	ON	50 17/7/67		0.01	10 U	10 U
7	1 /91)	00 11(103)	0 11	10 U	10 U	10 U
Metals							
Aluminum	ng/L	Ŋ	Ü	3830	0000	;	
Antimony	ng/L	3 H(WS)		3820	10200	48900	37300
Arsenic	ng/L	25 H(WS)	- - - -	*	10.2	5.3	7.2
Barium	1/61	1000 H/MS)	2 2	6.2	12.7	62.1	15.3
Beryllium	1/8' L	1000 H(WS)	NC NC	386	196	837	258
Cadminm	Hg/L	NC STATES	3 H(WS)	0.2	9.0	2.8	1.9
Cacination	μg/ L	5 H(WS)	N	0.2 U	0.2 U	1.3	1.7

TABLE 4

GROUNDWATER ANALYTICAL RESULTS SUMMARY 2020 RIVER ROAD WHEATFIELD, NEW YORK NOVEMBER 2006

 Sample Location:
 MW-1
 MW-2
 MW-3
 MW-3
 MW-4

 Sample ID:
 GW-45596-113006-JRR-016
 GW-45596-113006-JRR-019
 GW-45596-113006-JRR-019
 GW-45596-113006-JRR-019

 Sample Date:
 11/39/2006
 11/39/2006
 11/39/2006
 Sample Date: New York State Water

Parameters

Quality Units Standards Guidance Values

992999	57.3	28.5	142	00689	103	112000	1880	1	74.5	12400	2.5 U	0.5 U	260000	3.2 U	73.4	298		0.93 U	1.3 U	0.93 U	0.63 U	0.63 U	0.63 U	0.93 U	ND
762000	84.3	74.7	137	192000	86.5	97000	5740	0.13	144	9750	2.5 U	0.5 U	28400	3.2 U	91.9	515		0.93 U	1.3 U	0.93 U	0.63 U	0.63 U	0.63 U	0.93 U	QN
296000	54.3	13.6	120	75500	370	72300	826	0.1	6.69	4330	2.5 U	0.5 U	81300	3.2 U	32	428		0.93 U	1.3 U	U 56:0	0.63 U	0.63 U	0.63 U	0.93 U	ND
251000	9.2	ις I	14.9	25800	15.3	62100	1170	0.1 U	12.9	17200	2.5 U	0.5 U	81700	3.2 U	8.9	47.5		U.93 U	1.3 U	U 86.0	0.63 U	0.63 U	0.63 U	0.93 U	ΔN
Ŋ	NC	NC	NC	NC	J S	32000 H(WS)	NC	N ON	NC	NC	NC	NC	NC	0.5 H(WS)	NC	2000 H(WS)		NC	NC						
μg/L NC	ng/L 50 H(WS)	ug/L NC	μg/L 200 H(WS)	μg/L 300 E	$\mu g/L$ 25 H(WS)	μg/L NC	μg/L 300 E	µg/L 0.7 H(WS)	μg/L 100 H(WS)	μg/L NC	μg/L 10 H(WS)	µg/L 50 H(WS)	µg/L 20000 H(WS)	µg/L NC	μg/L NC	μg/L NC						μg/L NC		μg/L NC	(SW)H 6:0 T/8m
Metals (Cont'd.) Calcium	Chromium Total	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc	PCBs	Aroclor-1016 (PCB-1016)	Aroclor-1221 (PCB-1221)	Aroclor-1232 (PCB-1232)	Aroclor-1242 (PCB-1242)	Aroclor-1248 (PCB-1248)	Aroclor-1254 (PCB-1254)	Aroclor-1260 (PCB-1260)	Total PCBs

Compound detected in an associated blank.

J Estimated.

NC No Criteria.

PCBs Polychlorinated Biphenyls.

U Non-detect at associated value.

APPENDIX A STRATIGRAPHY LOGS 45596 (2)



Page 1 of 1

PROJECT NAME: 2020 River Road

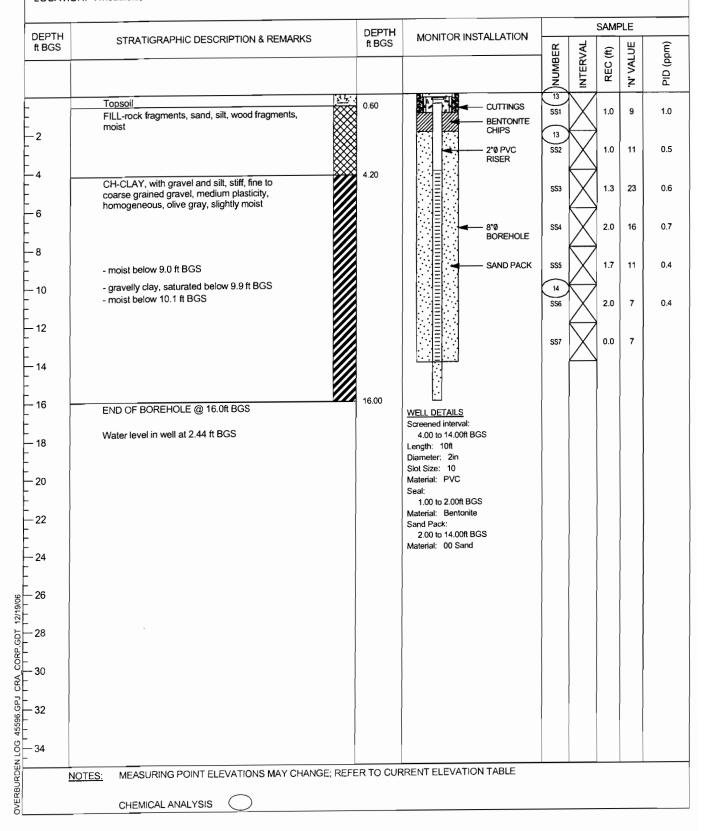
PROJECT NUMBER: 45596

CLIENT: Town of Wheatfield LOCATION: Wheatfield, New York HOLE DESIGNATION:

B-1/MW-4

DATE COMPLETED: November 23, 2006

DRILLING METHOD: HSA





Page 1 of 1

PROJECT NAME: 2020 River Road

PROJECT NUMBER: 45596

CLIENT: Town of Wheatfield LOCATION: Wheatfield, New York HOLE DESIGNATION: B-2

DATE COMPLETED: November 23, 2006

DRILLING METHOD: HSA

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS		<u> </u>	SAM		
			NUMBER	INTERVAL	REC (ft)	'N' VALUE	(Had) (10
_	Topsoil ML-SILT, trace sand, very stiff, non-plastic, homogeneous, olive gray, slightly moist	0.50	13 SS1	1	1.5	8	0.
-2	IVIL-31L1, trace Sand, very Stiff, Nor-plastic, norrogeneous, olive gray, siightly moist		331		1.5		
		3.80	SS2	X	1.9	22	0
-4	CH-CLAY with silt, very stiff, medium to high plasticity, homogeneous, light brown, slightly moist		15 SS3	\bigvee	1.8	16	0
-6	 black highly organic material below 5.8 ft BGS trace silt, very stiff, fine grained, medium plasticity, homogeneous, light brown, dry below 6.4 ft BGS 		SS4		1.9	18	0.
-8			SSS		2.0	15	0.
- 10	- with silt, saturated below 10.0 ft BGS		¥ SS6		1.7	5	0.
12			SS7		2.0	5	0.
- 14	- trace silt, soft below 14.5 ft BGS		SS8		2.0		0.
16	END OF BOREHOLE @ 16.0ft BGS	16.00					
18							
20							
22							
24							
26							
20							
28							
30							
32							
34							
NOTE	ES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION WATER FOUND ▼	N TABLE					



Page 1 of 1

PROJECT NAME: 2020 River Road

HOLE DESIGNATION:

B-3

PROJECT NUMBER: 45596

DATE COMPLETED: November 22, 2006

CLIENT: Town of Wheatfield

DRILLING METHOD: HSA

LOCATION: Wheatfield, New York

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	<u></u>		SAM		
		_	NUMBER	INTERVAL	REC (ft)	'N' VALUE	(200)
	Topsoil	0.30	1	1			
- 2	CH-CLAY with silt, soft, medium to high plasticity, homogeneous, light brown, slightly moist - topsoil-like fill below 2.3 ft BGS		SS1	\triangle	1.1	4	0
-		3.20	SS2	X	1.8	10	0.
4	ML-SILT, trace sand, very stiff, non-plastic, homogeneous, olive gray, slightly moist CH-CLAY very stiff, medium plasticity to plastic, homogeneous, light brown, slightly	4.00		$\langle \cdot \rangle$			
-	moist		SS3	X	2.0	19	0
-6 - -			SS4	X	2.0	18	0.
8 	- moist below 8.0 ft BGS		12	$\langle \cdot \rangle$			
- 10			SS5	\triangle	2.0	10	0
-			SS6	X	2.0	4	0
 12			SS7	X	2.0	2	0.
- 14			SS8	\bigcirc	2.0	2	0.
- - 16	- saturated below 16.0 ft BGS	Δ		$\langle \cdot \rangle$		ĺ	,
			SS9	X	2.0		0.
- 18			SS10	\bigcirc			
- 20	END OF DODELIOLE & 20 04 DOD	20.00	5510	\triangle		1	
	END OF BOREHOLE @ 20.0ft BGS						
- 22							
- 24							
- 26							
- 28							
- 30							
32							
34							
<u>NOT</u>	<u>'ES:</u> MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION WATER FOUND ▼	ON TABLE					
	CHEMICAL ANALYSIS						



Page 1 of 1

PROJECT NAME: 2020 River Road

PROJECT NUMBER: 45596

CLIENT: Town of Wheatfield
LOCATION: Wheatfield, New York

HOLE DESIGNATION: B-4

DATE COMPLETED: November 20, 2006

DRILLING METHOD: HSA

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH		_	SAM	_	_
ft BGS		ft BGS	NUMBER	INTERVAL	REC (ft)	'N' VALUE	РІО (ррт)
F F	Topsoil State of the Color of t	0.30			1.0	_	
_2	FILL-SILT, some gravel, some clay, trace sand, loose, fine grained sand, slightly plastic, massive, light brown, moist		SS1		1.6	5	0.5
-4			SS2			12	0.2
6	- brick fragments, saturated below 5.0 ft BGS		\$\$3	$\langle \rangle$	1.7	8	0.1
-		8.00	SS4	X	1.6	7	0.1
- 10	ML-SILT, trace clay, trace sand, loose, fine grained sand, non-plastic, massive, olive gray, wet	8.00	\$\$5	X	1.8	5	0
- 12			SS6	X	1.7	5	0
- 14			SS7	\boxtimes	1.8	4	0
- - - 16			SS8	X	1.6		0
		17.50	SS9	X	1.5	5	0
— 18 -	CH-CLAY, some gravel, with silt, loose, plastic, massive, light brown, wet		SS10				0
20	END OF BOREHOLE @ 20.0ft BGS	20.00					
22							
24							
26 							
- 28 							
28							
32							
34							
NO	TES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION	TABLE					
	CHEMICAL ANALYSIS						



Page 1 of 1

PROJECT NAME: 2020 River Road

PROJECT NUMBER: 45596

CLIENT: Town of Wheatfield LOCATION: Wheatfield, New York HOLE DESIGNATION: B-5

DATE COMPLETED: November 20, 2006

DRILLING METHOD: HSA

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS			SAMI		
II BGS		11 1503	NUMBER	INTERVAL	REC (ft)	'N' VALUE	
-	FILL		003 SS1	X	1.1	24	O
_2		3.50	003 SS2		1.0	13	C
-4 -	ML-SILT, trace clay, trace sand, loose, fine grained sand, non-plastic, massive, olive gray, moist		SS3		1.6	10	
-6 -	- wet below 7.5 ft BGS		004 SS4		2.0	5	0
-8			SS5	\bigvee	2.0	2	0
10			SS6	\bigvee	2.0		0
- 12			SS7	\boxtimes	1.5		
- 14			SS8	X			
- 16	END OF BOREHOLE @ 16.0ft BGS	16.00					
- 18							
- 20					ľ		
- 22							
- 24							
-26							
28							
30							
32							
34		N.E.					
<u>NOT</u>	<u>'ES:</u> MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TAB	SLE					



Page 1 of 1

PROJECT NAME: 2020 River Road

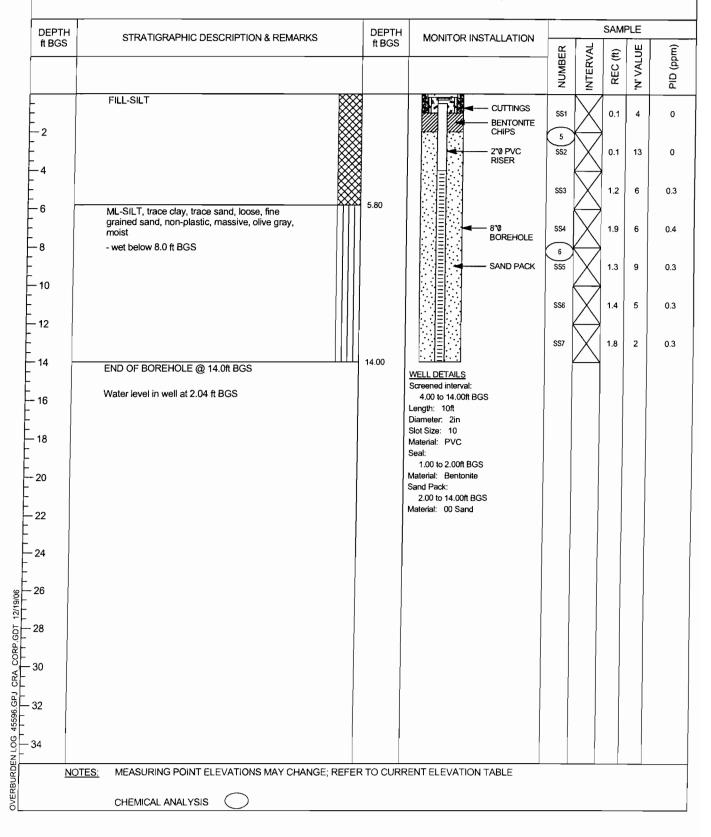
PROJECT NUMBER: 45596

CLIENT: Town of Wheatfield LOCATION: Wheatfield, New York HOLE DESIGNATION:

B-6/MW-3

DATE COMPLETED: November 20, 2006

DRILLING METHOD: HSA





Page 1 of 1

PROJECT NAME: 2020 River Road

PROJECT NUMBER: 45596
CLIENT: Town of Wheatfield

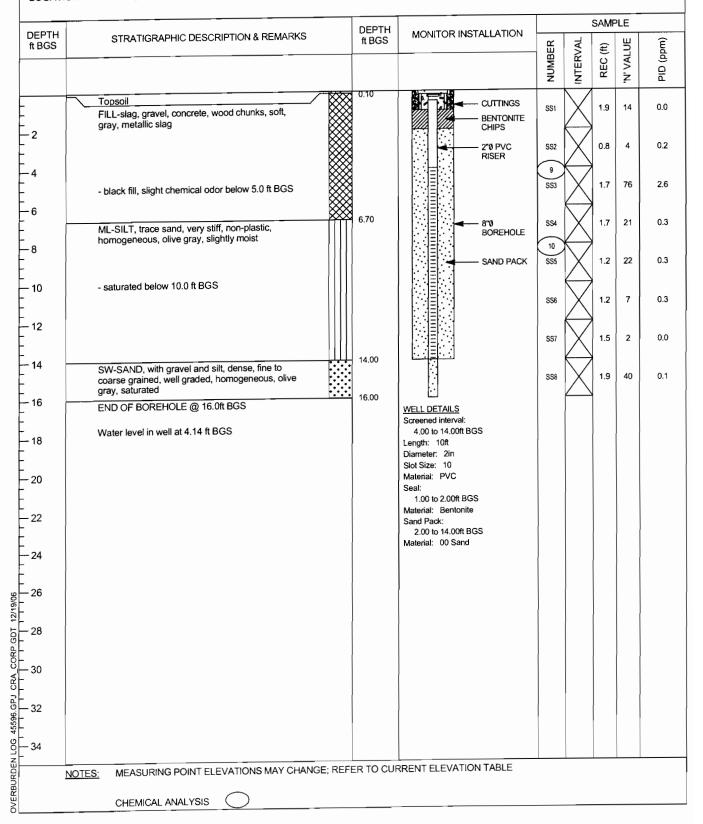
LOCATION: Wheatfield, New York

HOLE DESIGNATION:

B-7/MW-2

DATE COMPLETED: November 22, 2006

DRILLING METHOD: HSA





Page 1 of 1

PROJECT NAME: 2020 River Road

PROJECT NUMBER: 45596

CLIENT: Town of Wheatfield LOCATION: Wheatfield, New York

HOLE DESIGNATION:

B-8/MW-1

DATE COMPLETED: November 21, 2006

DRILLING METHOD: HSA

DEDTH		DEPTH	MONITOR INICTALL ATION	SAMPLE			
DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ft BGS	MONITOR INSTALLATION)NUMBER INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-	Topsoil Site.	0.50	cuttings	7 SS1	1.4	7	4.4
<u> </u>	FILL-gravel, sand, cinders, concrete fragments, coarse grained, moist		BENTONITE CHIPS		ا *`` ا	´	4.4
2 - -			2"0 PVC RISER	552	1.4	8	0.2
-4 -	ML-SILT, with clay, trace gravel, stiff, slightly plastic, massive, olive to dark gray, moist	4.30		SS3	1.5	12	0.1
-6			8"0 BOREHOLE	SS4	1.5	16	0.1
8 			SAND PACK	8 \$55	1.6	5	0.2
10 	- wet below 8.0 ft BGS		8°0 BOREHOLE	SS6	0.7	3	0.2
12 				\$87	1.5		0.1
- 14 -				SS8	0.4	32	0.1
_ 16	END OF BOREHOLE @ 16.0ft BGS	16.00	WELL DETAILS Screened interval:				
- 18 	Water level in well at 1.63 ft BGS		4 90 to 14.00ft BGS Length: 10ft Diameter: 2in Slot Size: 10				
20			Material: PVC Seal: 1.00 to 2.00ft BGS				
_ 22			Material: Bentonite Sand Pack: 2.00 to 14.00ft BGS Material: 00 Sand				
24 							
- 26 - 26							
28 28							
S							
OVERBURDEN LOG 45596.GPJ CRA CORP.GDT 12/19/06							
34							
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE							
CHEMICAL ANALYSIS							

APPENDIX B

LABORATORY RESULTS DATA PACKAGE