TETRA TECH EC, INC.

January 30, 2009

Ms. Sally Dewes, PE
New York State Department of Environmental Conservation
Bureau of Remedial Action
625 Broadway
Albany, NY 12233-7016

Subject: **Additional Data Collection**
Data Summary Report for Magna Metals Site

Dear Ms. Dewes:

Enclosed please find the above subject report revised per the January 2009 comment letter. If you have any questions please do not hesitate to call me at 973-630-8544.

Regards,

Mark Sielski, PG
Project Manager

cc: N. Ward-Willis Keane & Beane
File

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ADDITIONAL DATA COLLECTION

FOR THE

FORMER MAGNA METALS SITE
(NYSDEC Site No. 360003)

TOWN OF CORTLANDT
WESTCHESTER COUNTER, NEW YORK

DATA SUMMARY REPORT

JANUARY 2009

PREPARED BY:

Tetra Tech EC, Inc.
1000 The American Road
Morris Plains, New Jersdy 07950

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1.0 INTRODUCTION

This report presents the data results from the additional work performed at the request of NYSDEC to collect supplemental data in two locations: 1) an area where drums were previously stored near an on-site building (as reported in historic NYSDEC documentation), and 2) an upgradient wetland area. The additional work was implemented based on NYSDEC comment letters dated November 9, 2007, March 13, 2008, and August 22, 2008, in regards to the Draft Final RI Report submitted August 2007 and the December 2007 Draft Work Plan Addendum for Additional Data Collection. DEC approved the Draft Work Plan Addendum for Additional Data Collection September, 2008.

The field investigation activities discussed below were conducted in October 2008 in accordance with the NYSDEC-approved plans and under NYSDEC field oversight, Mr. Michael Haggerty. All sampling locations were approved by NYSDEC in the field. The sampling locations were surveyed with a global positioning system (GPS) in the field. The accuracy of these points is ±0.6 to 1.0 meters.

2.0 ADDITIONAL DIRECT PUSH SOIL SAMPLING SAMPLING

Additional direct push soil sampling was performed to determine if a former drum storage area (as reported in historic NYSDEC documentation) may have contributed to contamination under the building slab. Soil and groundwater samples were proposed to be collected and analyzed. However, due to the shallow depth to bedrock, hydropunch was not liable to be performed and no groundwater samples could be obtained.

Two (2) soil borings were sampled southeast of the building as presented in Figure 1. Surface soil samples were collected and analyzed for TCL VOCs, TCL SVOCs, TCL Pesticides/PCBs, and TAL metals. Subsurface soil samples were collected and analyzed for TCL VOCs, TCL SVOCs, TCL Pesticides/PCBs, and TAL metals. Boring depths were 2 feet and 6 feet. Boring logs are included in Attachment 1.

3.0 ADDITIONAL SEDIMENT SAMPLING

Four surface sediment samples were collected from the upgradient wetland area (see Figure 2). The samples were collected from 0 to 6 inches below ground surface. One sediment sample was collected within the ponded area approximately 0 to 6 inches below water bottom. The samples were analyzed for TCL VOCs, TCL SVOCs, TCL Pesticides/PCBs, and TAL metals.

4.0 ADDITIONAL SURFACE SOIL SAMPLING

Three surface soil samples were collected from the northern side of the property between the buildings and the wetlands (see Figure 2). One of the samples was collected from the large "open area" north of the macadam parking area. The other two were collected from the vegetated areas east and west of the "open area." The samples were collected from 0

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to 6 inches below ground surface. The samples were analyzed for TCL VOCs, TCL SVOCs, TCL Pesticides/PCBs, and TAL metals.

5.0 DATA VALIDATION

Upon receipt of soil gas and groundwater analytical results, the data was validated and Data Usability Summary Reports (DUSRs) were generated for each data package and are included as Attachment 2.

6.0 DATA SUMMARY REPORT

Analytical data tables for soil and sediment samples are included as Attachment 3. Data results for both the former drum storage area and upgradient wetlands were unremarkable. No VOCs or SVOC was detected above the NYSDEC Recommended Soil Criteria – Protection of Ecological Resources in the three surface soil samples. No PCBs were detected in the three surface soil samples. 4,4-DDE and 4,4-DDT were the only pesticides and silver was the only metal detected above the Protection of Ecological Resources criteria in the surface soil samples. No VOCs, SVOCs, pesticides, PCBs or metals were detected above NYSDEC Recommended Soil Criteria – Commercial Use in the samples collected from the two soil borings.

No VOCs, SVOCs, pesticides, or PCBs were detected above NYSDEC Sediment Criteria. Manganese was detected in one sample above its SEL and silver was detected in three samples and the duplicate above its SEL. At least one of eight metals was found in the each sediment sample at a concentration above its LEL.

No further sampling is required as delineation is complete. ISC Properties requests that the RI be accepted as complete.

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FIGURE 1

LEGEND

SB-802 SOIL BORING

320 CONTOUR LINE (20 FT INTERVAL)

APPROXIMATE WETLAND AREA

NOTES:
1. LOCATIONS OF FORMER MAGNA METALS BUILDING, 1 STORY CONCRETE BLOCK BUILDING, SHED, GEOPHYSICAL SURVEY AREA, AND MONITORING WELLS ARE BASED ON SURVEY DATA.

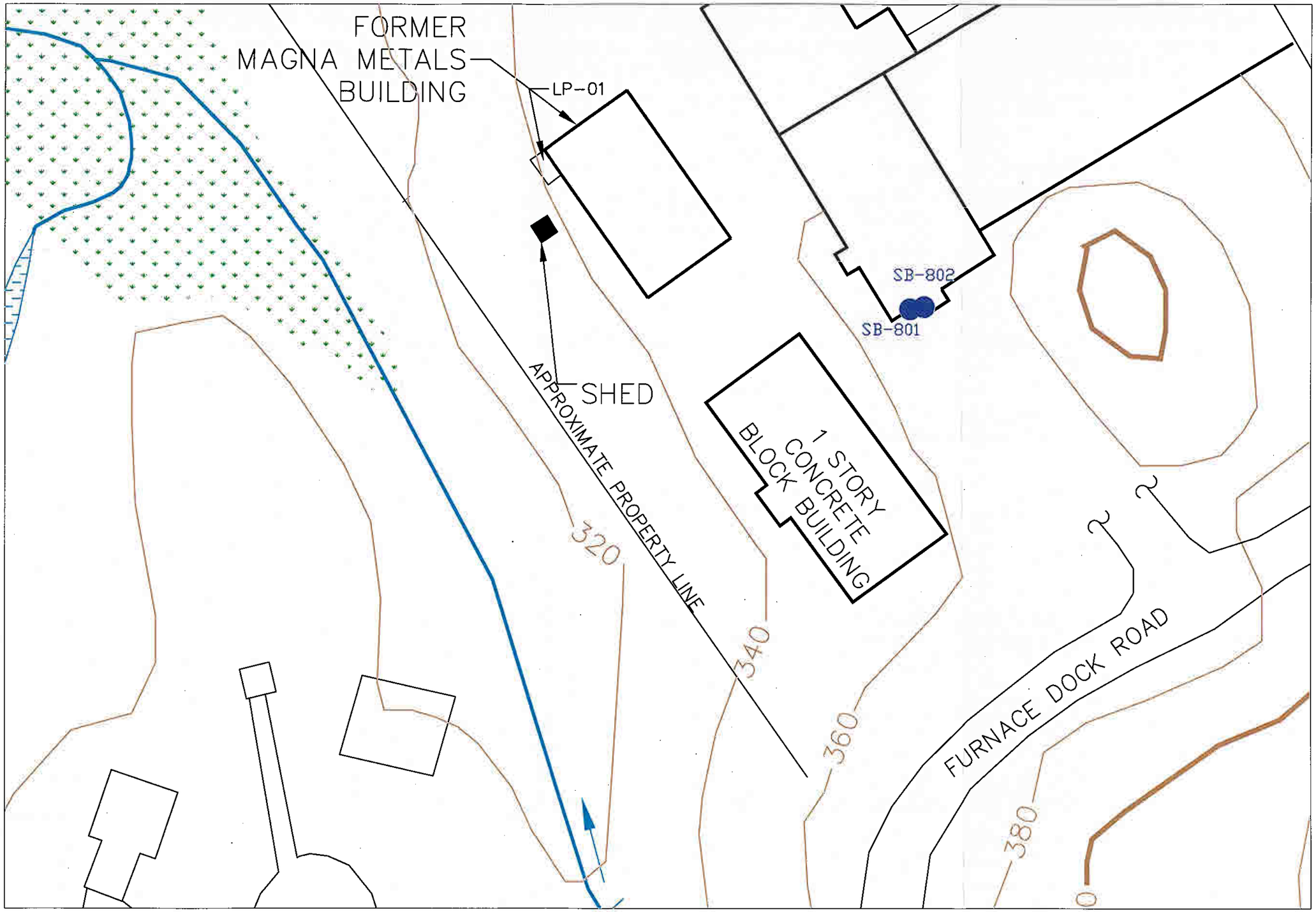
2. SB-801 AND SB-802 REFER TO SOIL BORINGS (SB) SAMPLED IN 2008 (8) AND THE CORRESPONDING LOCATION NUMBERS (01 OR 02).

SOURCES:
1. CONTOUR LINES, FURNACE DOCK ROAD, AND FURNACE BROOK BELOW POND BASED ON MOHEGAN LAKE, NY AND PEEKSKILL, NY TOPOGRAPHIC QUADRANGLES, 7.5-MINUTE SERIES, DATED 1956 AND 1957, RESPECTIVELY, AND PHOTOREVISED IN 1981.

2. ADDITIONAL SURFACE FEATURES BASED ON WESTCHESTER COUNTY DEPARTMENT OF PLANNING AERIAL PHOTOGRAPH (SPRING 1990), DECEMBER 18, 1999 AERIAL PHOTOGRAPH, AND SURVEY DATA.

3. APPROXIMATE REFUSE AREA BASED ON NYSDEC DRAWING.

4. APPROXIMATE WETLAND AREA BASED ON FIELD OBSERVATIONS.



0 15 30
FEET

TETRA TECH EC, INC.

TITLE:
Soil Boring/Hydropunch Locations
Supplemental RI
Magna Metals, Cortlandt, New York

DWN: CTS	DES.: CTS	PROJECT NO.: 106-1172
CHKD: MS	APPD: MS	FIGURE NO.: 1
DATE: 12/23/2008	REV.: 0	

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N:\GIS\GISKEY\GISPROJ31\MAGNA METALS\Figure 1 Soil Boring and Hydropunch Locations 122308.dwg

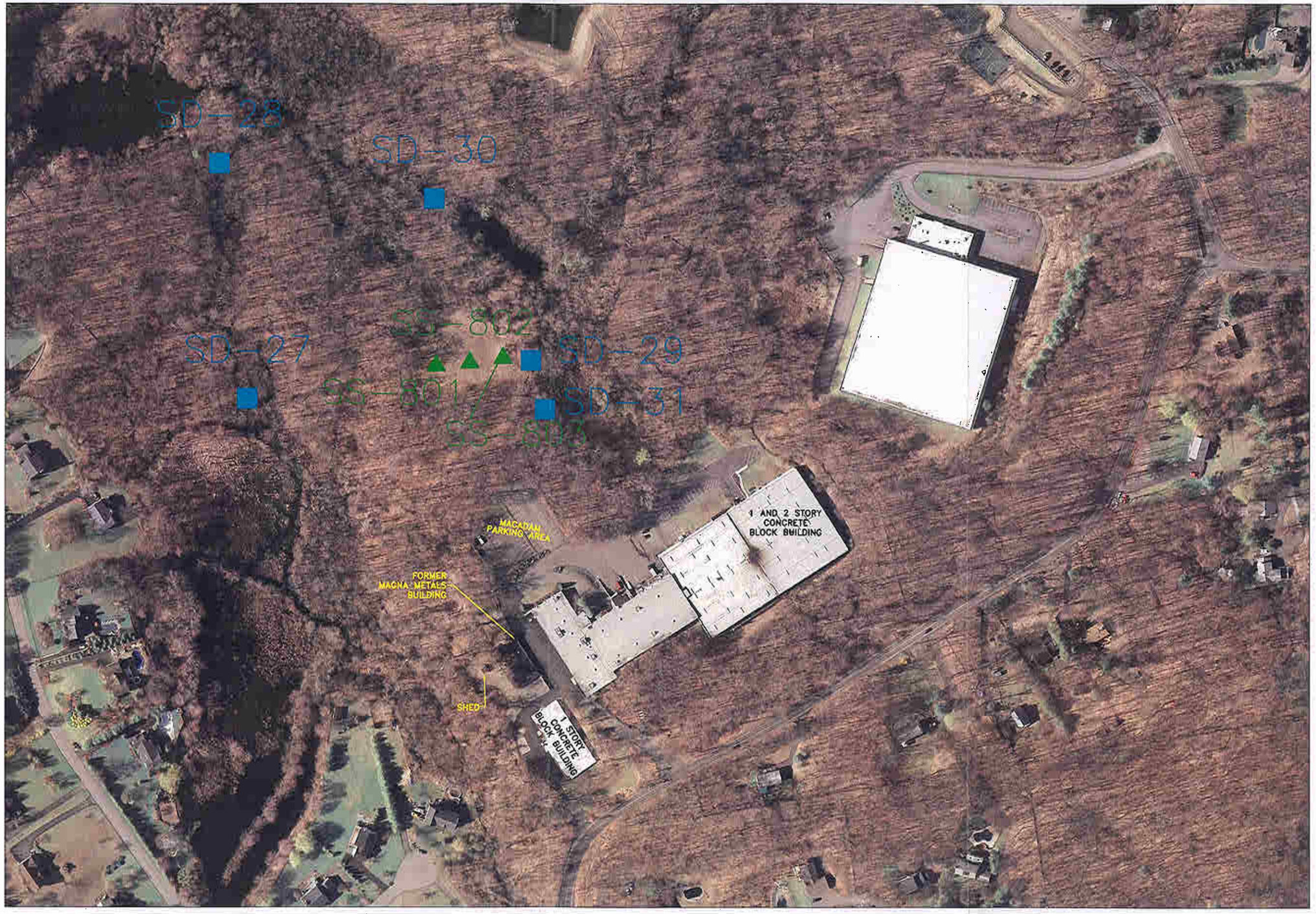
FIGURE 2

LEGEND

SD-27 SEDIMENT LOCATION

SS-801 APPROXIMATE SURFACE SOIL LOCATION

SOURCE:
AERIAL PHOTOGRAPH –
NYS GIS CLEARINGHOUSE, 2007.



0 50 100
FEET

TETRA TECH EC, INC.

TITLE:
Sediment and Surface Soil Locations
Supplemental RI
Magna Metals, Cortlandt, New York

DWN: CTS	DES.: CTS	PROJECT NO.: 106-1172
CHKD: MS	APPD: MS	FIGURE NO.: 2
DATE: 01/23/2009	REV.: 1	

N:\GIS\GISKEY\GISPROJ\MAGNA METALS\Figure 2 012308.dwg

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ATTACHMENT 1

Log of Borings

FIELD BORING LOG SHEET

BORING LOG SHEET

BORING NUMBER: SB801

PROJECT: Magna Metals
PROJECT NO.: 106-1172.0004.00000
LOCATION (well or boring ID): SB801
TOTAL DEPTH (FT): 6
GEOLOGIST: C. De Carlo
DRILLER: Advanced
DRILLING/SAMPLING METHOD: <Blank> Direct Push

TETRATECH EC, INC.

DATE STARTED: 10/7/08
DATE COMPLETED: 10/7/08
GROUNDWATER DEPTH (FT): not encountered
GROUND ELEVATION (FT):
X COORDINATE: —
Y COORDINATE:
DATUM:

Sample ID	Start Depth (feet)	End Depth (feet)	BLOWS per 6"	Recovery (ft)	Consolidated ? Y or N	USCS Soil Classification or Material	Geologic Unit Code	Color	Description	TIME	DATE	Depth of PID/FID (ft)	FID (ppm)	PID (ppm)	Comments	Contact (A, H, U)
SB801 0-5	0	0.75'		—			—	—	Asphalt and bedding material					0.0	Hand Dug to 5'	
	0.75	1.25		—			SM	Dark Brown	Fine silty SAND w/ fine subangular gravel, slmoist					0.0	Sample collected from 0.75-1.25 @ 0950	
	0.75	4.5					SM	Lt Brown	silty f SAND, tr. f gravel, sl moist							
	4.5	5					SM	Lt Brown	silty f SAND, tr f gravel, moist							
SB801 5-8	5	5.5		2'			SM		SAA					0.0		

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FIELD BORING LOG SHEET

BORING LOG SHEET

BORING NUMBER: SB 801

TETRA TECH EC, INC.

PROJECT:
PROJECT NO.:
LOCATION (well or boring ID):
TOTAL DEPTH (FT):
GEOLOGIST:
DRILLER:
DRILLING/SAMPLING METHOD: <Blank>

DATE STARTED:
DATE COMPLETED:
GROUNDWATER DEPTH (FT):
GROUND ELEVATION (FT):
X COORDINATE:
Y COORDINATE:
DATUM:

Sample ID	Start Depth (feet)	End Depth (feet)	BLOWS per 6"	Recovery (ft)	Consolidated? Y or N	USCS Soil Classification or Material	Geologic Unit Code	Color	Description	TIME	DATE	Depth of PID/FID (ft)	FID (ppm)	PID (ppm)	Comments	Contact (A, H, U)
	5.5	5.75					ML	Lt Brown	fine sandy SILT, w/ some fine angular gravel, v moist					0.0		
	5.75	6					—	—	weathered, shattered rock						refusal @ 6' bgs	
									end of boring @ 6' bgs							

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FIELD BORING LOG SHEET

BORING LOG SHEET

BORING NUMBER: SB 802

TETRA TECH EC, INC.

PROJECT: Magna Metals
PROJECT NO.: 106-1172.0004.0000
LOCATION (well or boring ID): SB-802
TOTAL DEPTH (FT): 2'
GEOLOGIST: C De Carlo
DRILLER: Advanced
DRILLING/SAMPLING METHOD: <Blank>

DATE STARTED: 10/7/08
DATE COMPLETED: 10/7/08
GROUNDWATER DEPTH (FT): not encountered
GROUND ELEVATION (FT):
X COORDINATE:
Y COORDINATE:
DATUM:

Sample ID	Start Depth (feet)	End Depth (feet)	BLOWS per 6"	Recovery (ft)	Consolidated ? Y or N	USCS Soil Classification or Material	Geologic Unit Code	Color	Description	TIME	DATE	Depth of PID/FID (ft)	FID (ppm)	PID (ppm)	Comments	Contact (A, H, U)
SB 802 0-2'	0	0.75		–			–	–	Asphalt and bedding material						Hand Dug	
	0.75	1.5		–		SM		Dark Brown	silty fine SAND tr. fine grave sl. moist					0.0		
						SM		Lt. Brown	silty fine SAND tr. fine gravel sl. moist					0.0		
									end of boring @ 2' bgs						Rock visible @ bottom of boring	

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ATTACHMENT 2

Data Usability Report

MEMORANDUM

TO: C. Snyder **DATE: December 18, 2008**

FROM: C. Minch (CM)

SUBJECT: Magna Metals

Laboratory	Project Number	Sample Identification
Chemtech	Z5047	SS-801, SS802, SS803

Three soil samples were collected on October 17, 2008 and shipped to Chemtech where the samples were analyzed for volatiles, semivolatiles, pesticides, PCBs, metals, and TOC. A screening review was performed by an EPA Region II certified validator utilizing applicable criteria specified in EPA Region II Standard Operating Procedures (SOP) HW-24, Rev. 2, October 2006, HW-22, Rev. 3, October 2006, HW-44, Rev. 1.0, October 2006, HW-45, Rev. 1.0, October 2006, HW-2, Rev. 13, September 2006, HWB-1/HWB-2, Rev. 0, March 1994, and best professional judgment. Data qualifier definitions are as follows:

U The analyte was analyzed for, but not detected above the reported sample quantitation limit.

R The sample results are rejected (unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Validation consisted of checking and verifying that the criteria listed below were within acceptable QC limits.

- Preservation and Holding Time
- Surrogate Recovery
- Blank Contamination
- Matrix Spike Recovery
- Laboratory Control Samples (LCS)
- Interference Check Sample
- Instrument Tune
- Calibrations
- Laboratory Duplicate
- Internal Standards
- Serial Dilution

Based upon this review, all data are considered acceptable and valid with the following qualifications.

The following observations are noted:

1. The following compounds were qualified as estimated (UJ) due to low recovery in the LCS analyses.
   trichloroethene, 1,2,4-trichlorobenzene, 1,4-dichlorobenzene, 3,3'-dichlorobenzidine:
   SS-801, SS-802, SS-803

2. The following compounds were qualified as estimated (UJ) in the samples below for exceeding %D (20%) criteria in the associated continuing calibration standard.
   dichlorodifluoromethane, chloromethane, acetone, methyl-tert-butyl ether, methyl acetate, 1,1-dichloroethane, cyclohexane, 2-butanone, 1,1,2,2-tetrachloroethane:
   SS-801, SS-802, SS-803

3. The TIC at the retention time of 3.44 in the semivolatile analyses of samples SS-801 and SS-803 was qualified "R" because it is a common laboratory contaminant.

4. With the exception of heptachlor, DDE, and DDT, all compounds exhibited low or 0% recovery in the MS and/or MSD performed on SS-801 Consequently, all compounds except heptachlor, DDE, and DDT were estimated (UJ) in SS-801.

5. DDT was qualified as estimated (J/UJ) in samples SS-801, SS-802, and SS-803 for exceeding %RSD and %D criteria in the calibrations.

6. The positive results for alpha and gamma chlordane were qualified as estimated (J) in SS-802 because the %D between the values obtained on the two dissimilar analytical columns exceeded 25%.

7. Cadmium, lead and silver exceeded the CRQL when they were not present in the ICSA solution. In addition, iron was present in the samples at concentrations that exceeded the concentration in the ICS solutions. Consequently, cadmium, lead and silver were qualified as estimated (J) in SS-801, SS-802, and SS-803 due to positive interference.

8. Calcium, chromium, cobalt, copper, iron, manganese, nickel, and zinc were estimated (J) in SS-801, SS-802, and SS-803 because the serial dilution exceeded 10%.

10. TOC was estimated (J) in SS-801, SS-802, and SS-803 due to low recovery (57%) in the matrix spike performed on sample SS-803.

MEMORANDUM

TO: C. Snyder **DATE: December 18, 2008**

FROM: C. Minch (CM)

SUBJECT: Magna Metals

Laboratory	Project Number	Sample Identification
Chemtech	Z4885	SD-27, SD-28, SD-29, SD-30, SD-31, SD-50, SB-801-0.75-1.25, SB-801-5-6, SB-802-0.75-1.25, SB-802-1.5-2

Ten soil samples were collected during this sampling event and shipped to Chemtech where the samples were analyzed for volatiles, semivolatiles, pesticides, PCBs, metals, and TOC. A screening review was performed by an EPA Region II certified validator utilizing applicable criteria specified in EPA Region II Standard Operating Procedures (SOP) HW-24, Rev. 2, October 2006, HW-22, Rev. 3, October 2006, HW-44, Rev. 1.0, October 2006, HW-45, Rev. 1.0, October 2006, HW-2, Rev. 13, September 2006, HWB-1/HWB-2, Rev. 0, March 1994, and best professional judgment. Data qualifier definitions are as follows:

U The analyte was analyzed for, but not detected above the reported sample quantitation limit.

R The sample results are rejected (unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Validation consisted of checking and verifying that the criteria listed below were within acceptable QC limits.

- Preservation and Holding Time
- Surrogate Recovery
- Blank Contamination
- Matrix Spike Recovery
- Laboratory Control Samples (LCS)
- Interference Check Sample
- Instrument Tune
- Calibrations
- Laboratory Duplicate
- Internal Standards
- Serial Dilution

Based upon this review, all data are considered acceptable and valid with the following qualifications.

The following observations are noted:

1. All analytes were qualified as estimated (J/UJ) in all parameters of samples SD-29 and SD-31 because the % moisture exceeded 50%.

2. The following compounds were qualified as indicated in the samples below due to low response of the associated internal standard:
   Qualified unusable (R); IS#4 < 25%:
   isopropylbenzene → 1,2,4-trichlorobenzene: SB-801-0.75-1.25RE

   Qualified as estimated (UJ); < 50%:
   all analytes: SB-802-0.75-1.25RE
   dichlorodifluoromethane → bromoform: SB-801-0.75-1.25RE
   isopropylbenzene → 1,2,4-trichlorobenzene: SB-801-0.75-1.25, SB-802-0.75-1.25, SB-802-1.5-2, SB-802-1.5-2RE

3. Methyl acetate was estimated (UJ) in samples SB-801-5-6, SB-802-0.75-1.25, SB-802-1.5-2, and SB-802-1.5-2RE for exceeding %D (20%) criteria in the associated continuing calibration standard.

4. The TICs at the retention time of 3.59 in the semivolatile analyses of samples SD-27, SD-28, SD-29, SD-30, SD-31, SD-50, and SB-801-5-6 were qualified "R" because it is a common laboratory contaminant.

5. The TICs at the retention time of 13.83 in the semivolatile analyses of samples SD-27, SD-28, SD-29, SD-30, and SD-31 were qualified "R" due to similar contamination in the method blank.

6. The positive results for aroclor 1260 were qualified as estimated (J) in SB-801-5-6, SB-802-0.75-1.25, and SB-802-1.5-2 because the %D between the values obtained on the two dissimilar analytical columns exceeded 25%.

7. Mercury was qualified as estimated (J/UJ) in samples SD-27, SD-28, SD-30, SD-50, SB-801-5-6, SB-802-0.75-1.25, and SB-802-1.5-2 due to low recovery in the CRQL standard.

8. Lead and silver exceeded the CRQL when they were not present in the ICSA solution. In addition, iron was present in several samples at concentrations that exceeded the concentration in the ICS solutions. Consequently, lead and silver were qualified as estimated (J) in samples SD-30, SD-50, SB-801-0.75-1.25, SB-801-5-6, SB-802-0.75-1.25, and SB-802-1.5-2 due to positive interference.

9. Potassium was estimated (J) in all samples except SD-29 and SD-31 because the serial dilution exceeded 10%.

10. TOC was estimated (J) in all samples except SD-29 and SD-31 due to high recovery in the MS/MSD performed on sample SD-30.

11. The following metals were qualified as indicated in the samples below for exceeding the limits of field precision.
    qualified as unusable (R)
    Ni: SD-30
    qualified as estimated (J)
    Mg: SD-30
    Al, Ba, Cr, Cu, Fe, Mn, V, Zn: SD-30, SD-50

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ATTACHMENT 3

Data Analytical Tables

Table 1
Volatile Organic Compounds in Surface Soil Samples
Magna Metals

Sample ID	NYSDEC		SS801		SS802		SS803	
Lab Sample Number	Recommended		Z5047-01		Z5047-02		Z5047-03	
Sampling Date	Soil Criteria		10/17/2008		10/17/2008		10/17/2008	
Matrix	Ecological Use		SOIL		SOIL		SOIL	
Dilution Factor			1		1		1	
Units	mg/kg		mg/kg		mg/kg		mg/kg	
COMPOUND								
Dichlorodifluoromethane	NC		0.011	U	0.011	U	0.011	U
Chloromethane	NC		0.0077	U	0.0076	U	0.0076	U
Vinyl Chloride	NC		0.008	U	0.0078	U	0.0079	U
Bromomethane	NC		0.012	U	0.012	U	0.012	U
Chloroethane	NC		0.011	U	0.011	U	0.011	U
Trichlorofluoromethane	NC		0.0069	U	0.0068	U	0.0068	U
1,1,2-Trichlorotrifluoroethane	NC		0.0098	U	0.0095	U	0.0097	U
1,1-Dichloroethene	NC		0.0058	U	0.0057	U	0.0057	U
Acetone	2.2		0.099	U	0.097	U	0.098	U
Carbon Disulfide	NC		0.0063	U	0.0061	U	0.0062	U
Methyl tert-butyl Ether	NC		0.0052	U	0.0051	U	0.0051	U
Methyl Acetate	NC		0.0098	U	0.0096	U	0.0097	U
Methylene Chloride	12		0.014	U	0.014	U	0.014	U
trans-1,2-Dichloroethene	NC		0.0072	U	0.007	U	0.0071	U
1,1-Dichloroethane	NC		0.0065	U	0.0064	U	0.0064	U
Cyclohexane	NC		0.0059	U	0.0058	U	0.0059	U
2-Butanone	NC		0.029	U	0.029	U	0.029	U
Carbon Tetrachloride	NC		0.0034	U	0.0034	U	0.0034	U
cis-1,2-Dichloroethene	NC		0.0075	U	0.0073	U	0.0074	U
Chloroform	12		0.0052	U	0.0051	U	0.0051	U
1,1,1-Trichloroethane	NC		0.0055	U	0.0054	U	0.0055	U
Methylcyclohexane	NC		0.0048	U	0.0047	U	0.0048	U
Benzene	70		0.0042	U	0.0041	U	0.0041	U
1,2-Dichloroethane	10		0.0048	U	0.0047	U	0.0047	U
Trichloroethene	2		0.0042	U	0.0041	U	0.0042	U

Table 1
Volatile Organic Compounds in Surface Soil Samples
Magna Metals

Sample ID	NYSDEC		SS801		SS802		SS803	
Lab Sample Number	Recommended		Z5047-01		Z5047-02		Z5047-03	
Sampling Date	Soil Criteria		10/17/2008		10/17/2008		10/17/2008	
Matrix	Ecological Use		SOIL		SOIL		SOIL	
Dilution Factor			1		1		1	
Units	mg/kg		mg/kg		mg/kg		mg/kg	
COMPOUND								
1,2-Dichloropropane	NC		0.0055	U	0.0053	U	0.0054	U
Bromodichloromethane	NC		0.0041	U	0.004	U	0.004	U
4-Methyl-2-Pentanone	NC		0.022	U	0.022	U	0.022	U
Toluene	36		0.0051	U	0.005	U	0.0051	U
t-1,3-Dichloropropene	NC		0.0049	U	0.0048	U	0.0048	U
cis-1,3-Dichloropropene	NC		0.0039	U	0.0038	U	0.0039	U
1,1,2-Trichloroethane	NC		0.0035	U	0.0035	U	0.0035	U
2-Hexanone	NC		0.025	U	0.025	U	0.025	U
Dibromochloromethane	NC		0.0038	U	0.0038	U	0.0038	U
1,2-Dibromoethane	NC		0.0048	U	0.0047	U	0.0047	U
Tetrachloroethene	2		0.0072	U	0.007	U	0.0071	U
Chlorobenzene	40		0.0044	U	0.0043	U	0.0044	U
Ethyl Benzene	NC		0.0047	U	0.0045	U	0.0046	U
m/p-Xylenes	0.26		0.011	U	0.011	U	0.011	U
o-Xylene	0.26		0.0044	U	0.0043	U	0.0044	U
Styrene	NC		0.0036	U	0.0035	U	0.0036	U
Bromoform	NC		0.0047	U	0.0046	U	0.0047	U
Isopropylbenzene	NC		0.0048	U	0.0047	U	0.0047	U
1,1,2,2-Tetrachloroethane	NC		0.0052	U	0.0051	U	0.0051	U
1,3-Dichlorobenzene	NC		0.0039	U	0.0038	U	0.0039	U
1,4-Dichlorobenzene	NC		0.0045	U	0.0044	U	0.0044	U
1,2-Dichlorobenzene	NC		0.005	U	0.0049	U	0.0049	U
1,2-Dibromo-3-Chloropropane	NC		0.0059	U	0.0058	U	0.0059	U
1,2,4-Trichlorobenzene	NC		0.0038	U	0.0038	U	0.0038	U
Total Confident Conc.			0		0		0	
Total TICs			0		0		0	

Qualifiers
U - Non-detect.
J - Estimated.
NC - No Criteria.

Table 2
Semi-volatile Organic Compounds in Surface Soil Samples
Magna Metals

Sample ID	NYSDEC	SS801		SS802		SS803	
Lab Sample Number	Recommended	Z5047-01		Z5047-02		Z5047-03	
Sampling Date	Soil Criteria	10/17/2008		10/17/2008		10/17/2008	
Matrix	Ecological Use	SOIL		SOIL		SOIL	
Dilution Factor		10		20		20	
Units	mg/kg	mg/kg		mg/kg		mg/kg	
COMPOUND							
Benzaldehyde	NC	0.13	U	0.25	U	0.25	U
Phenol	30	0.11	U	0.21	U	0.21	U
bis(2-Chloroethyl)ether	NC	0.05	U	0.098	U	0.099	U
2-Chlorophenol	NC	0.1	U	0.2	U	0.21	U
2-Methylphenol	NC	0.1	U	0.2	U	0.2	U
2,2-oxybis(1-Chloropropane)	NC	0.16	U	0.31	U	0.31	U
Acetophenone	NC	0.11	U	0.22	U	0.23	U
3+4-Methylphenols	NC	0.12	U	0.23	U	0.23	U
N-Nitroso-di-n-propylamine	NC	0.14	U	0.27	U	0.27	U
Hexachloroethane	NC	0.13	U	0.25	U	0.25	U
Nitrobenzene	NC	0.09	U	0.18	U	0.18	U
Isophorone	NC	0.13	U	0.25	U	0.25	U
2-Nitrophenol	NC	0.14	U	0.27	U	0.28	U
2,4-Dimethylphenol	NC	0.11	U	0.22	U	0.23	U
bis(2-Chloroethoxy)methane	NC	0.088	U	0.17	U	0.17	U
2,4-Dichlorophenol	NC	0.091	U	0.18	U	0.18	U
Naphthalene	NC	0.092	U	0.18	U	0.18	U
4-Chloroaniline	NC	0.25	U	0.49	U	0.5	U
Hexachlorobutadiene	NC	0.16	U	0.3	U	0.31	U
Caprolactam	NC	0.46	U	0.9	U	0.91	U
4-Chloro-3-methylphenol	NC	0.11	U	0.22	U	0.22	U
2-Methylnaphthalene	NC	0.11	U	0.21	U	0.21	U
Hexachlorocyclopentadiene	NC	0.2	U	0.38	U	0.39	U
2,4,6-Trichlorophenol	NC	0.089	U	0.17	U	0.18	U
2,4,5-Trichlorophenol	NC	0.11	U	0.22	U	0.22	U
1,1-Biphenyl	NC	0.11	U	3.3	J	0.22	U
2-Chloronaphthalene	NC	0.093	U	0.18	U	0.18	U
2-Nitroaniline	NC	0.18	U	0.35	U	0.36	U
Dimethylphthalate	NC	0.11	U	0.22	U	0.22	U
Acenaphthylene	NC	0.056	U	0.11	U	0.11	U

Table 2
Semi-volatile Organic Compounds in Surface Soil Samples
Magna Metals

Sample ID	NYSDEC	SS801		SS802		SS803	
Lab Sample Number	Recommended	Z5047-01		Z5047-02		Z5047-03	
Sampling Date	Soil Criteria	10/17/2008		10/17/2008		10/17/2008	
Matrix	Ecological Use	SOIL		SOIL		SOIL	
Dilution Factor		10		20		20	
Units	mg/kg	mg/kg		mg/kg		mg/kg	
COMPOUND							
2,6-Dinitrotoluene	NC	0.14	U	0.27	U	0.27	U
3-Nitroaniline	NC	0.25	U	0.5	U	0.5	U
Acenaphthene	20	0.083	U	0.16	U	0.16	U
2,4-Dinitrophenol	NC	0.2	U	0.4	U	0.4	U
4-Nitrophenol	NC	0.23	U	0.44	U	0.45	U
Dibenzofuran	NC	0.12	U	0.23	U	0.23	U
2,4-Dinitrotoluene	NC	0.13	U	0.25	U	0.25	U
Diethylphthalate	NC	0.13	U	0.26	U	0.26	U
4-Chlorophenyl-phenylether	NC	0.15	U	0.29	U	0.29	U
Fluorene	30	0.1	U	0.2	U	0.2	U
4-Nitroaniline	NC	0.3	U	0.59	U	0.6	U
4,6-Dinitro-2-methylphenol	NC	0.52	U	1	U	1	U
N-Nitrosodiphenylamine	NC	0.29	U	0.56	U	0.57	U
4-Bromophenyl-phenylether	NC	0.17	U	0.34	U	0.35	U
Hexachlorobenzene	NC	0.12	U	0.23	U	0.23	U
Atrazine	NC	0.27	U	0.53	U	0.54	U
Pentachlorophenol	0.8	0.43	U	0.85	U	0.86	U
Phenanthrene	NC	0.12	U	0.23	U	1.6	J
Anthracene	NC	0.13	U	0.25	U	0.26	U
Carbazole	NC	0.29	U	0.57	U	0.58	U
Di-n-butylphthalate	NC	0.18	U	0.35	U	0.36	U
Fluoranthene	NC	0.093	U	1.2	J	2.9	J
Pyrene	NC	0.084	U	1.7	J	2.3	J
Butylbenzylphthalate	NC	0.24	U	0.47	U	0.48	U
3,3-Dichlorobenzidine	NC	0.29	U	0.57	U	0.57	U
Benzo(a)anthracene	NC	0.092	U	1.3	J	1.1	J
Chrysene	NC	0.071	U	1.7	J	1.4	J
bis(2-Ethylhexyl)phthalate	NC	0.15	U	0.29	U	0.29	U
Di-n-octyl phthalate	NC	0.13	U	0.26	U	0.27	U

Table 2
Semi-volatile Organic Compounds in Surface Soil Samples
Magna Metals

Sample ID	NYSDEC	SS801		SS802		SS803	
Lab Sample Number	Recommended	Z5047-01		Z5047-02		Z5047-03	
Sampling Date	Soil Criteria	10/17/2008		10/17/2008		10/17/2008	
Matrix	Ecological Use	SOIL		SOIL		SOIL	
Dilution Factor		10		20		20	
Units	mg/kg	mg/kg		mg/kg		mg/kg	
COMPOUND							
Benzo(b)fluoranthene	NC	0.28	U	2.5	J	1.6	J
Benzo(k)fluoranthene	NC	0.18	U	1.3	J	0.35	U
Benzo(a)pyrene	2.6	0.11	U	1.6	J	1.1	J
Indeno(1,2,3-cd)pyrene	NC	0.097	U	1.1	J	0.19	U
Dibenz(a,h)anthracene	NC	0.28	U	0.55	U	0.56	U
Benzo(g,h,i)perylene	NC	0.28	U	1.2	J	0.85	J
Total Confident Conc.		0		16.9		12.85	
Total TICs		0		450		790	

Qualifiers
U - Non-detect.
J - Estimated.
NC - No Criteria.

Table 3
Pesticides In Surface Soil Samples
Magna Metals

Sample ID	NYSDEC	SS801		SS802		SS803	
Lab Sample Number	Recommended	Z5047-01		Z5047-02		Z5047-03	
Sampling Date	Soil Criteria	10/17/2008		10/17/2008		10/17/2008	
Matrix	Ecological Use	SOIL		SOIL		SOIL	
Dilution Factor		1		10		1	
Units	mg/kg	mg/kg		mg/kg		mg/kg	
COMPOUND							
alpha-BHC	0.04	0.00016	U	0.0016	U	0.00016	U
beta-BHC	0.6	0.00021	U	0.002	U	0.00021	U
delta-BHC	0.04	0.00021	U	0.002	U	0.00021	U
gamma-BHC	NC	0.00019	U	0.0018	U	0.00018	U
Heptachlor	0.14	0.00017	U	0.0017	U	0.00017	U
Aldrin	0.14	0.00019	U	0.0018	U	0.00018	U
Heptachlor epoxide	NC	0.00022	U	0.0022	U	0.00022	U
Endosulfan I	NC	0.00022	U	0.0022	U	0.00022	U
Dieldrin	0.006	0.00022	U	0.0022	U	0.00022	U
4,4-DDE	0.0033	0.0076		0.0022	U	0.00022	U
Endrin	0.014	0.00066	U	0.0065	U	0.00065	U
Endosulfan II	NC	0.00023	U	0.0023	U	0.00023	U
4,4-DDD	0.0033	0.00031	U	0.0031	U	0.00031	U
Endosulfan Sulfate	NC	0.00027	U	0.0026	U	0.00026	U
4,4-DDT	0.0033	0.0082		0.0018	U	0.0021	
Methoxychlor	NC	0.00024	U	0.0024	U	0.00024	U
Endrin ketone	NC	0.00055	U	0.0053	U	0.00054	U
Endrin aldehyde	NC	0.00023	U	0.0023	U	0.00023	U
alpha-Chlordane	1.3	0.00022	U	0.021	P	0.00022	U
gamma-Chlordane	NC	0.00021	U	0.015	JP	0.00021	U
Toxaphene	NC	0.0042	U	0.041	U	0.0041	U
Total Confident Conc.		0.0158		0.036		0.0021	
Total TICs		0		0		0	

Qualifiers
U - Non-detect.
J - Estimated.
NC - No Criteria.

Table 4
Polychlorinated Biphenyls (PCBs) in Surface Soil Samples
Magna Metals

Sample ID	NYSDEC			SS801		SS802		SS803	
Lab Sample Number	Recommended			Z5047-01		Z5047-02		Z5047-03	
Sampling Date	Soil Criteria			10/17/2008		10/17/2008		10/17/2008	
Matrix	Ecological Use			SOIL		SOIL		SOIL	
Dilution Factor				1		1		1	
Units	mg/kg			mg/kg		mg/kg		mg/kg	
COMPOUND									
Aroclor-1016	1	*		0.0043	U	0.0042	U	0.0043	U
Aroclor-1221	1	*		0.0053	U	0.0052	U	0.0052	U
Aroclor-1232	1	*		0.0056	U	0.0054	U	0.0055	U
Aroclor-1242	1	*		0.0024	U	0.0024	U	0.0024	U
Aroclor-1248	1	*		0.0053	U	0.0052	U	0.0053	U
Aroclor-1254	1	*		0.0054	U	0.0053	U	0.0054	U
Aroclor-1260	1	*		0.0043	U	0.0042	U	0.0043	U
Total Confident Conc.				0		0		0	
Total TICs				0		0		0	

Qualifiers
* = Sum of all PCBs
U - Non-detect.
J - Estimated.
NC - No Criteria.

Table 5
Metals in Surface Soil Samples
Magna Metals

Sample ID	NYSDEC	SS801		SS802		SS803	
Lab Sample Number	Recommended	Z5047-01		Z5047-02		Z5047-03	
Sampling Date	Soil Criteria	10/17/2008		10/17/2008		10/17/2008	
Matrix	Ecological Use	SOIL		SOIL		SOIL	
Dilution Factor		1		1		1	
Units	mg/kg	mg/kg		mg/kg		mg/kg	
COMPOUND							
Aluminum	NC	13900		11400		12200	
Antimony	NC	0.45	U	0.441	U	0.444	U
Arsenic	13	1.48		1.4		0.693	J
Barium	433	69.1		86.5		84.3	
Beryllium	10	0.355		0.279		0.241	
Cadmium	4	1.81		1.97		2.07	
Calcium	NC	10200		17600		5550	
Chromium	NC	14.3		23.1		35.2	
Cobalt	NC	7.12		7.78		9.88	
Copper	50	16		19.7		21	
Iron	NC	16100		16900		18500	
Lead	63	14.6		31.9		24.5	
Magnesium	NC	7440		12400		5430	
Manganese	1600	249		280		407	
Mercury	0.18	0.033		0.062		0.028	
Nickel	30	10.8		15.4		22.7	
Potassium	NC	1120		1550		1200	
Selenium	3.9	0.636	U	0.623	U	0.628	U
Silver	2	2.87		3.04		3.34	
Sodium	NC	141		225		383	
Thallium	NC	0.767	U	0.753	U	0.758	U
Vanadium	NC	27.5		30.3		36.9	
Zinc	109	43.9		63		58.5	
Total Confident Conc.		NA		NA		NA	
Total TICs		0		0		0	

Qualifiers
U - Non-detect.
J - Estimated.

Table 6
Volatile Organic Compounds in Samples from Soil Borings
Magna Metals

Sample ID	NYSDEC		SB-801-0.75-1.25		SB-801-5-6		SB-802-0.75-1.5		SB-802-1.5-2	
Lab Sample Number	Recommended		Z4885-10		Z4885-11		Z4885-12		Z4885-13	
Sampling Date	Soil Criteria		10/7/2008		10/7/2008		10/7/2008		10/7/2008	
Matrix	Commercial Use		SOIL		SOIL		SOIL		SOIL	
Dilution Factor			1		1		1		1	
Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
COMPOUND										
Dichlorodifluoromethane	NC		0.011	U	0.01	U	0.01	U	0.01	U
Chloromethane	NC		0.0073	U	0.007	U	0.007	U	0.0069	U
Vinyl Chloride	13		0.0076	U	0.0073	U	0.0073	U	0.0072	U
Bromomethane	NC		0.011	U	0.011	U	0.011	U	0.011	U
Chloroethane	NC		0.01	U	0.0098	U	0.0097	U	0.0096	U
Trichlorofluoromethane	NC		0.0065	U	0.0063	U	0.0063	U	0.0062	U
1,1,2-Trichlorotrifluoroethane	NC		0.0092	U	0.0089	U	0.0088	U	0.0088	U
1,1-Dichloroethene	500		0.0055	U	0.0053	U	0.0053	U	0.0052	U
Acetone	500		0.093	U	0.09	U	0.09	U	0.089	U
Carbon Disulfide	NC		0.0059	U	0.0057	U	0.0057	U	0.0056	U
Methyl tert-butyl Ether	500		0.0049	U	0.0047	U	0.0047	U	0.0046	U
Methyl Acetate	NC		0.0093	U	0.0089	U	0.0089	U	0.0088	U
Methylene Chloride	500		0.013	U	0.013	U	0.013	U	0.013	U
trans-1,2-Dichloroethene	500		0.0068	U	0.0065	U	0.0065	U	0.0064	U
1,1-Dichloroethane	240		0.0062	U	0.0059	U	0.0059	U	0.0058	U
Cyclohexane	NC		0.0056	U	0.0054	U	0.0054	U	0.0053	U
2-Butanone	NC		0.028	U	0.026	U	0.026	U	0.026	U
Carbon Tetrachloride	22		0.0032	U	0.0031	U	0.0031	U	0.0031	U
cis-1,2-Dichloroethene	500		0.0071	U	0.0068	U	0.0068	U	0.0067	U
Chloroform	350		0.0049	U	0.0047	U	0.0047	U	0.0046	U
1,1,1-Trichloroethane	500		0.0052	U	0.005	U	0.005	U	0.005	U
Methylcyclohexane	NC		0.0046	U	0.0044	U	0.0044	U	0.0043	U
Benzene	44		0.004	U	0.0038	U	0.0038	U	0.0038	U
1,2-Dichloroethane	30		0.0045	U	0.0043	U	0.0043	U	0.0043	U
Trichloroethene	200		0.004	U	0.0038	U	0.0038	U	0.0038	U

Table 6
Volatile Organic Compounds in Samples from Soil Borings
Magna Metals

Sample ID	NYSDEC		SB-801-0.75-1.25		SB-801-5-6		SB-802-0.75-1.5		SB-802-1.5-2	
Lab Sample Number	Recommended		Z4885-10		Z4885-11		Z4885-12		Z4885-13	
Sampling Date	Soil Criteria		10/7/2008		10/7/2008		10/7/2008		10/7/2008	
Matrix	Commercial Use		SOIL		SOIL		SOIL		SOIL	
Dilution Factor			1		1		1		1	
Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
COMPOUND										
1,2-Dichloropropane	NC		0.0052	U	0.005	U	0.005	U	0.0049	U
Bromodichloromethane	NC		0.0038	U	0.0037	U	0.0037	U	0.0037	U
4-Methyl-2-Pentanone	NC		0.021	U	0.02	U	0.02	U	0.02	U
Toluene	500		0.0048	U	0.0046	U	0.0046	U	0.0046	U
t-1,3-Dichloropropene	NC		0.0046	U	0.0044	U	0.0044	U	0.0044	U
cis-1,3-Dichloropropene	NC		0.0037	U	0.0035	U	0.0035	U	0.0035	U
1,1,2-Trichloroethane	NC		0.0034	U	0.0032	U	0.0032	U	0.0032	U
2-Hexanone	NC		0.024	U	0.023	U	0.023	U	0.023	U
Dibromochloromethane	NC		0.0036	U	0.0035	U	0.0035	U	0.0034	U
1,2-Dibromoethane	NC		0.0045	U	0.0043	U	0.0043	U	0.0043	U
Tetrachloroethene	150		0.0068	U	0.0065	U	0.0065	U	0.0065	U
Chlorobenzene	500		0.0042	U	0.004	U	0.004	U	0.004	U
Ethyl Benzene	390		0.0044	U	0.0042	U	0.0042	U	0.0042	U
m/p-Xylenes	500		0.01	U	0.0098	U	0.0098	U	0.0097	U
o-Xylene	500		0.0042	U	0.004	U	0.004	U	0.004	U
Styrene	NC		0.0034	U	0.0033	U	0.0033	U	0.0032	U
Bromoform	NC		0.0045	U	0.0043	U	0.0043	U	0.0042	U
Isopropylbenzene	NC		0.0045	U	0.0043	U	0.0043	U	0.0043	U
1,1,2,2-Tetrachloroethane	NC		0.0049	U	0.0047	U	0.0047	U	0.0046	U
1,3-Dichlorobenzene	280		0.0037	U	0.0035	U	0.0035	U	0.0035	U
1,4-Dichlorobenzene	130		0.0042	U	0.0041	U	0.0041	U	0.004	U
1,2-Dichlorobenzene	500		0.0047	U	0.0045	U	0.0045	U	0.0045	U
1,2-Dibromo-3-Chloropropane	NC		0.0056	U	0.0054	U	0.0054	U	0.0053	U
1,2,4-Trichlorobenzene	NC		0.0036	U	0.0035	U	0.0035	U	0.0034	U
Total Confident Conc.			0		0		0		0	
Total TICs			0		0		0		0	

Qualifiers
U - Non-detect.
J - Estimated.
NC - No Criteria.

Table 7
Semi-volatile Organic Compounds in Samples from Soil Borings
Magna Metals

Sample ID	NYSDEC	SB-801-0.75-1.25		SB-801-5-6		SB-802-0.75-1.5		SB-802-1.5-2	
Lab Sample Number	Recommended	Z4885-10		Z4885-11		Z4885-12		Z4885-13	
Sampling Date	Soil Criteria	10/7/2008		10/7/2008		10/7/2008		10/7/2008	
Matrix	Commercial Use	SOIL		SOIL		SOIL		SOIL	
Dilution Factor		40		5		40		20	
Units	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg	
COMPOUND									
Benzaldehyde	NC	0.49	U	0.059	U	0.47	U	0.23	U
Phenol	500	0.4	U	0.049	U	0.39	U	0.2	U
bis(2-Chloroethyl)ether	NC	0.19	U	0.023	U	0.18	U	0.092	U
2-Chlorophenol	NC	0.39	U	0.048	U	0.38	U	0.19	U
2-Methylphenol	NC	0.39	U	0.047	U	0.37	U	0.19	U
2,2-oxybis(1-Chloropropane)	NC	0.6	U	0.073	U	0.58	U	0.29	U
Acetophenone	NC	0.43	U	0.053	U	0.42	U	0.21	U
3+4-Methylphenols	NC	0.44	U	0.054	U	0.43	U	0.21	U
N-Nitroso-di-n-propylamine	NC	0.53	U	0.064	U	0.51	U	0.25	U
Hexachloroethane	NC	0.47	U	0.058	U	0.46	U	0.23	U
Nitrobenzene	NC	0.34	U	0.042	U	0.33	U	0.16	U
Isophorone	NC	0.48	U	0.058	U	0.46	U	0.23	U
2-Nitrophenol	NC	0.53	U	0.065	U	0.51	U	0.26	U
2,4-Dimethylphenol	NC	0.43	U	0.053	U	0.42	U	0.21	U
bis(2-Chloroethoxy)methane	NC	0.33	U	0.041	U	0.32	U	0.16	U
2,4-Dichlorophenol	NC	0.34	U	0.042	U	0.33	U	0.17	U
Naphthalene	500	0.35	U	0.043	U	0.34	U	0.17	U
4-Chloroaniline	NC	0.96	U	0.12	U	0.92	U	0.46	U
Hexachlorobutadiene	NC	0.59	U	0.072	U	0.57	U	0.28	U
Caprolactam	NC	1.7	U	0.21	U	1.7	U	0.84	U
4-Chloro-3-methylphenol	NC	0.43	U	0.052	U	0.41	U	0.21	U
2-Methylnaphthalene	NC	0.41	U	0.05	U	0.4	U	0.2	U
Hexachlorocyclopentadiene	NC	0.74	U	0.091	U	0.72	U	0.36	U
2,4,6-Trichlorophenol	NC	0.34	U	0.041	U	0.33	U	0.16	U
2,4,5-Trichlorophenol	NC	0.43	U	0.053	U	0.42	U	0.21	U
1,1-Biphenyl	NC	0.43	U	0.053	U	0.42	U	0.21	U
2-Chloronaphthalene	NC	0.35	U	0.043	U	0.34	U	0.17	U
2-Nitroaniline	NC	0.68	U	0.083	U	0.66	U	0.33	U
Dimethylphthalate	NC	0.42	U	0.052	U	0.41	U	0.2	U
Acenaphthylene	500	0.21	U	0.026	U	0.21	U	0.1	U
2,6-Dinitrotoluene	NC	0.52	U	0.063	U	0.5	U	0.25	U
3-Nitroaniline	NC	0.96	U	0.12	U	0.93	U	0.47	U
Acenaphthene	500	0.31	U	0.038	U	0.3	U	0.15	U
2,4-Dinitrophenol	NC	0.77	U	0.095	U	0.75	U	0.37	U
4-Nitrophenol	NC	0.86	U	0.11	U	0.83	U	0.42	U
Dibenzofuran	NC	0.45	U	0.055	U	0.43	U	0.22	U
2,4-Dinitrotoluene	NC	0.48	U	0.059	U	0.47	U	0.23	U
Diethylphthalate	NC	0.49	U	0.061	U	0.48	U	0.24	U
4-Chlorophenyl-phenylether	NC	0.55	U	0.068	U	0.54	U	0.27	U
Fluorene	500	0.39	U	0.048	U	0.38	U	0.19	U

Table 7
Semi-volatile Organic Compounds in Samples from Soil Borings
Magna Metals

Sample ID	NYSDEC	SB-801-0.75-1.25		SB-801-5-6		SB-802-0.75-1.5		SB-802-1.5-2	
Lab Sample Number	Recommended	Z4885-10		Z4885-11		Z4885-12		Z4885-13	
Sampling Date	Soil Criteria	10/7/2008		10/7/2008		10/7/2008		10/7/2008	
Matrix	Commercial Use	SOIL		SOIL		SOIL		SOIL	
Dilution Factor		40		5		40		20	
Units	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg	
COMPOUND									
4-Nitroaniline	NC	1.1	U	0.14	U	1.1	U	0.55	U
4,6-Dinitro-2-methylphenol	NC	2	U	0.24	U	1.9	U	0.95	U
N-Nitrosodiphenylamine	NC	1.1	U	0.13	U	1.1	U	0.53	U
4-Bromophenyl-phenylether	NC	0.66	U	0.081	U	0.64	U	0.32	U
Hexachlorobenzene	NC	0.44	U	0.054	U	0.42	U	0.21	U
Atrazine	NC	1	U	0.13	U	0.99	U	0.5	U
Pentachlorophenol	6.7	1.6	U	0.2	U	1.6	U	0.8	U
Phenanthrene	500	0.45	U	0.055	U	0.44	U	0.22	U
Anthracene	500	0.49	U	0.06	U	0.47	U	0.24	U
Carbazole	NC	1.1	U	0.14	U	1.1	U	0.54	U
Di-n-butylphthalate	NC	0.68	U	0.083	U	0.66	U	0.33	U
Fluoranthene	500	0.35	U	0.043	U	0.34	U	0.17	U
Pyrene	500	0.32	U	0.039	U	0.31	U	0.15	U
Butylbenzylphthalate	NC	0.92	U	0.11	U	0.89	U	0.44	U
3,3-Dichlorobenzidine	NC	1.1	U	0.13	U	1.1	U	0.53	U
Benzo(a)anthracene	5.6	0.35	U	0.043	U	0.34	U	0.17	U
Chrysene	56	0.27	U	0.033	U	0.26	U	0.13	U
bis(2-Ethylhexyl)phthalate	NC	0.56	U	0.068	U	0.54	U	0.27	U
Di-n-octyl phthalate	NC	0.51	U	0.062	U	0.49	U	0.25	U
Benzo(b)fluoranthene	5.6	1	U	0.13	U	1	U	0.51	U
Benzo(k)fluoranthene	56	0.67	U	0.081	U	0.64	U	0.32	U
Benzo(a)pyrene	1	0.43	U	0.052	U	0.41	U	0.21	U
Indeno(1,2,3-cd)pyrene	5.6	0.37	U	0.045	U	0.36	U	0.18	U
Dibenz(a,h)anthracene	0.56	1.1	U	0.13	U	1	U	0.52	U
Benzo(g,h,i)perylene	500	1.1	U	0.13	U	1	U	0.51	U
Total Confident Conc.		0		0		0		0	
Total TICs		0		0		0		0	

Qualifiers
U - Non-detect.
J - Estimated.
NC - No Criteria.

Table 8
Pesticides in Samples from Soil Borings
Magna Metals

Sample ID	NYSDEC	SB-801-0.75-1.25		SB-801-5-6		SB-802-0.75-1.5		SB-802-1.5-2	
Lab Sample Number	Recommended	Z4885-10		Z4885-11		Z4885-12		Z4885-13	
Sampling Date	Soil Criteria	10/7/2008		10/7/2008		10/7/2008		10/7/2008	
Matrix	Commercial Use	SOIL		SOIL		SOIL		SOIL	
Dilution Factor		10		10		10		10	
Units	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg	
COMPOUND									
alpha-BHC	3.4	0.0015	U	0.0015	U	0.0019	U	0.0019	U
beta-BHC	3	0.002	U	0.0019	U	0.0019	U	0.0019	U
delta-BHC	500	0.002	U	0.0019	U	0.0017	U	0.0017	U
gamma-BHC	NC	0.0018	U	0.0017	U	0.0016	U	0.0016	U
Heptachlor	15	0.0016	U	0.0016	U	0.0017	U	0.0017	U
Aldrin	0.68	0.0018	U	0.0017	U	0.002	U	0.002	U
Heptachlor epoxide	NC	0.0021	U	0.002	U	0.002	U	0.002	U
Endosulfan I	200	0.0021	U	0.002	U	0.002	U	0.002	U
Dieldrin	1.4	0.0021	U	0.002	U	0.002	U	0.002	U
4,4-DDE	62	0.0021	U	0.002	U	0.006	U	0.0061	U
Endrin	89	0.0063	U	0.0061	U	0.0021	U	0.0021	U
Endosulfan II	200	0.0022	U	0.0021	U	0.0029	U	0.0029	U
4,4-DDD	92	0.003	U	0.0029	U	0.0024	U	0.0024	U
Endosulfan Sulfate	NC	0.0025	U	0.0025	U	0.0017	U	0.0017	U
4,4-DDT	47	0.0018	U	0.0017	U	0.0022	U	0.0022	U
Methoxychlor	NC	0.0023	U	0.0022	U	0.005	U	0.005	U
Endrin ketone	NC	0.0052	U	0.005	U	0.0021	U	0.0021	U
Endrin aldehyde	NC	0.0022	U	0.0021	U	0.002	U	0.002	U
alpha-Chlordane	24	0.0021	U	0.002	U	0.0019	U	0.0019	U
gamma-Chlordane	NC	0.002	U	0.0019	U	0.038	U	0.038	U
Toxaphene	NC	0.039	U	0.038	U	0		0	
Total Confident Conc.		0		0					
Total TICs		0		0		0		0	

Qualifiers
U - Non-detect.
J - Estimated.
NC - No Criteria.

Table 9
Polychlorinated Biphenyls (PCBs) in Samples from Soil Borings
Magna Metals

Sample ID	NYSDEC		SB-801-0.75-1.25		SB-801-5-6		SB-802-0.75-1.5		SB-802-1.5-2	
Lab Sample Number	Recommended		Z4885-10		Z4885-11		Z4885-12		Z4885-13	
Sampling Date	Soil Criteria		10/7/2008		10/7/2008		10/7/2008		10/7/2008	
Matrix	Commercial Use		SOIL		SOIL		SOIL		SOIL	
Dilution Factor			1		1		1		1	
Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
COMPOUND										
Aroclor-1016	1	*	0.0041	U	0.004	U	0.004	U	0.004	U
Aroclor-1221	1	*	0.005	U	0.0049	U	0.0049	U	0.0049	U
Aroclor-1232	1	*	0.0053	U	0.0051	U	0.0051	U	0.0051	U
Aroclor-1242	1	*	0.0023	U	0.0022	U	0.0022	U	0.0022	U
Aroclor-1248	1	*	0.0051	U	0.0049	U	0.0049	U	0.0049	U
Aroclor-1254	1	*	0.0051	U	0.005	U	0.005	U	0.005	U
Aroclor-1260	1	*	0.036		0.004	U	0.004	U	0.004	U
Total Confident Conc.			0.036		0		0		0	
Total TICs			0		0		0		0	

Qualifiers
* = Sum of all PCBs
U - Non-detect.
J - Estimated.
NC - No Criteria.

Table 10
Metals in Samples from Soil Borings
Magna Metals

Sample ID	NYSDEC	SB-801-0.75-1.25		SB-801-5-6		SB-802-0.75-1.5		SB-802-1.5-2	
Lab Sample Number	Recommended	Z4885-10		Z4885-11		Z4885-12		Z4885-13	
Sampling Date	Soil Criteria	10/7/2008		10/7/2008		10/7/2008		10/7/2008	
Matrix	Commercial Use	SOIL		SOIL		SOIL		SOIL	
Dilution Factor		1		1		1		1	
Units	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg	
COMPOUND									
Aluminum	NC	12600		5850		8560		9140	
Antimony	NC	0.427	U	0.415	U	0.407	U	0.412	U
Arsenic	16	2.06	J	0.624	J	1.54	J	0.506	J
Barium	400	186		83.4		166		113	
Beryllium	590	0.224	J	0.139	J	0.158	J	0.114	J
Cadmium	9.3	0.952	J	0.335	J	0.673	J	0.594	J
Calcium	NC	11700		944		12600		2040	
Chromium	NC	31.5		16.8		15.7		21.9	
Cobalt	NC	16.3		7.19	J	13.8		14.3	
Copper	270	194		18.1		100		35.3	
Iron	NC	16500		9050		12300		13200	
Lead	1000	30.5		3.33	J	16.2		4.74	
Magnesium	NC	11700		1820		12700		6890	
Manganese	10000	147		88.1		101		128	
Mercury	2.8	0.031	J	0.008	U	0.008	J	0.007	U
Nickel	310	44		18.3		20		25	
Potassium	NC	2320		622	J	1760		1860	
Selenium	1500	0.603	U	0.586	U	0.575	U	0.583	U
Silver	1500	3	J	1.6	J	2.23	J	2.39	J
Sodium	NC	186	J	64.2	J	148	J	147	J
Thallium	NC	0.728	U	0.708	U	0.694	U	0.704	U
Vanadium	NC	62.8		15.4		47.1		43.8	
Zinc	10000	260		16.8		203		37.8	
Total Confident Conc.		NA		NA		NA		NA	
Total TICs		0		0		0		0	

Qualifiers
U - Non-detect.
J - Estimated.

Table 11
TOC in Soil
Magna Metals

Sample ID	SS801	SS802	SS803	SB-801-0.75-1.25	SB-801-5-6	SB-802-0.75-1.5	SB-802-1.5-2
Lab Sample Number	Z5047-01	Z5047-02	Z5047-03	Z4885-10	Z4885-11	Z4885-12	Z4885-13
Sampling Date	10/17/2008	10/17/2008	10/17/2008	10/7/2008	10/7/2008	10/7/2008	10/7/2008
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor	1	1	1	1	1	1	1
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND							
TOC	6700	7800	4900	8600	980	7000	5800

Qualifiers
U - Non-detect.
J - Estimated.

Table 12
Volatile Organic Compounds in Sediment
Magna Metals

Sample ID	NYSDEC	Sample	SD-27		Sample	SD-28		Sample	SD-29	
Lab Sample Number	Sediment	Specific	Z4885-01		Specific	Z4885-02		Specific	Z4885-03	
Sampling Date	Criteria	Criteria	10/6/2008		Criteria	10/6/2008		Criteria	10/6/2008	
Matrix		TOC=1700 mg/kg	SOIL		TOC=2500 mg/kg	SOIL		TOC=6600 mg/kg	SOIL	
Dilution Factor			1			1			1	
Units	mg/kg		mg/kg			mg/kg			mg/kg	
COMPOUND										
Dichlorodifluoromethane	NC	NC	0.012	U	NC	0.013	U	NC	0.021	U
Chloromethane	NC	NC	0.0082	U	NC	0.0088	U	NC	0.014	U
Vinyl Chloride	NC	NC	0.0085	U	NC	0.0092	U	NC	0.015	U
Bromomethane	NC	NC	0.013	U	NC	0.013	U	NC	0.022	U
Chloroethane	NC	NC	0.011	U	NC	0.012	U	NC	0.02	U
Trichlorofluoromethane	NC	NC	0.0073	U	NC	0.0079	U	NC	0.013	U
1,1,2-Trichlorotrifluoroethane	NC	NC	0.01	U	NC	0.011	U	NC	0.018	U
1,1-Dichloroethene	NC	NC	0.0062	U	NC	0.0066	U	NC	0.011	U
Acetone	NC	NC	0.1	U	NC	0.11	U	NC	0.18	U
Carbon Disulfide	NC	NC	0.0067	U	NC	0.0072	U	NC	0.012	U
Methyl tert-butyl Ether	NC	NC	0.0055	U	NC	0.0059	U	NC	0.0097	U
Methyl Acetate	NC	NC	0.01	U	NC	0.011	U	NC	0.018	U
Methylene Chloride	NC	NC	0.015	U	NC	0.016	U	NC	0.026	U
trans-1,2-Dichloroethene	NC	NC	0.0076	U	NC	0.0082	U	NC	0.013	U
1,1-Dichloroethane	NC	NC	0.0069	U	NC	0.0074	U	NC	0.012	U
Cyclohexane	NC	NC	0.0063	U	NC	0.0068	U	NC	0.011	U
2-Butanone	NC	NC	0.031	U	NC	0.033	U	NC	0.055	U
Carbon Tetrachloride	NC	NC	0.0036	U	NC	0.0039	U	NC	0.0064	U
cis-1,2-Dichloroethene	NC	NC	0.008	U	NC	0.0086	U	NC	0.014	U
Chloroform	NC	NC	0.0055	U	NC	0.0059	U	NC	0.0097	U
1,1,1-Trichloroethane	NC	NC	0.0059	U	NC	0.0063	U	NC	0.01	U
Methylcyclohexane	NC	NC	0.0051	U	NC	0.0055	U	NC	0.009	U
Benzene	NC	NC	0.0044	U	NC	0.0048	U	NC	0.0078	U
1,2-Dichloroethane	NC	NC	0.0051	U	NC	0.0054	U	NC	0.0089	U
Trichloroethene	NC	NC	0.0045	U	NC	0.0049	U	NC	0.0079	U
1,2-Dichloropropane	NC	NC	0.0058	U	NC	0.0062	U	NC	0.01	U
Bromodichloromethane	NC	NC	0.0043	U	NC	0.0047	U	NC	0.0076	U
4-Methyl-2-Pentanone	NC	NC	0.024	U	NC	0.025	U	NC	0.042	U

Table 12
Volatile Organic Compounds in Sediment
Magna Metals

Sample ID	NYSDEC	Sample	SD-27		Sample	SD-28		Sample	SD-29	
Lab Sample Number	Sediment	Specific	Z4885-01		Specific	Z4885-02		Specific	Z4885-03	
Sampling Date	Criteria	Criteria	10/6/2008		Criteria	10/6/2008		Criteria	10/6/2008	
Matrix		TOC=1700 mg/kg	SOIL		TOC=2500 mg/kg	SOIL		TOC=6600 mg/kg	SOIL	
Dilution Factor			1			1			1	
Units	mg/kg		mg/kg			mg/kg			mg/kg	
COMPOUND										
Toluene	235	0.3995	0.0054	U	0.5875	0.0058	U	1.551	0.0096	U
t-1,3-Dichloropropene	NC	NC	0.0052	U	NC	0.0056	U	NC	0.0091	U
cis-1,3-Dichloropropene	NC	NC	0.0041	U	NC	0.0045	U	NC	0.0073	U
1,1,2-Trichloroethane	NC	NC	0.0038	U	NC	0.0041	U	NC	0.0066	U
2-Hexanone	NC	NC	0.027	U	NC	0.029	U	NC	0.048	U
Dibromochloromethane	NC	NC	0.0041	U	NC	0.0044	U	NC	0.0072	U
1,2-Dibromoethane	NC	NC	0.0051	U	NC	0.0054	U	NC	0.0089	U
Tetrachloroethene	NC	NC	0.0077	U	NC	0.0082	U	NC	0.013	U
Chlorobenzene	NC	NC	0.0047	U	NC	0.0051	U	NC	0.0083	U
Ethyl Benzene	212	0.3604	0.0049	U	0.53	0.0053	U	1.3992	0.0087	U
m/p-Xylenes	833	1.4161	0.011	U	2.0825	0.012	U	5.4978	0.02	U
o-Xylene	833	1.4161	0.0047	U	2.0825	0.0051	U	5.4978	0.0083	U
Styrene	NC	NC	0.0038	U	NC	0.0041	U	NC	0.0067	U
Bromoform	NC	NC	0.005	U	NC	0.0054	U	NC	0.0088	U
Isopropylbenzene	105	0.1785	0.0051	U	0.2625	0.0054	U	0.693	0.0089	U
1,1,2,2-Tetrachloroethane	NC	NC	0.0055	U	NC	0.0059	U	NC	0.0097	U
1,3-Dichlorobenzene	NC	NC	0.0041	U	NC	0.0045	U	NC	0.0073	U
1,4-Dichlorobenzene	NC	NC	0.0048	U	NC	0.0051	U	NC	0.0084	U
1,2-Dichlorobenzene	NC	NC	0.0053	U	NC	0.0057	U	NC	0.0093	U
1,2-Dibromo-3-Chloropropane	NC	NC	0.0063	U	NC	0.0068	U	NC	0.011	U
1,2,4-Trichlorobenzene	NC	NC	0.0041	U	NC	0.0044	U	NC	0.0072	U
Total Confident Conc.						0			0	
Total TICs			0			0			0	

Qualifiers
U - Non-detect.
J - Estimated.
NC - No Criteria.

Table 12
Volatile Organic Compounds in Sediment
Magna Metals

Sample ID	NYSDEC	Sample	SD-30		Sample	SD-50		Sample	SD-31	
Lab Sample Number	Sediment	Specific	Z4885-04		Specific	Z4885-06		Specific	Z4885-05	
Sampling Date	Criteria	Criteria	10/6/2008		Criteria	10/6/2008		Criteria	10/6/2008	
Matrix		TOC=4600 mg/kg	SOIL		TOC=4600 mg/kg	Duplicate of		TOC=14000 mg/kg	SOIL	
Dilution Factor			1			SD-30			1	
Units	mg/kg		mg/kg			mg/kg			mg/kg	
COMPOUND										
Dichlorodifluoromethane	NC	NC	0.012	U	NC	0.015	U	NC	0.045	U
Chloromethane	NC	NC	0.0086	U	NC	0.01	U	NC	0.031	U
Vinyl Chloride	NC	NC	0.0089	U	NC	0.011	U	NC	0.032	U
Bromomethane	NC	NC	0.013	U	NC	0.016	U	NC	0.047	U
Chloroethane	NC	NC	0.012	U	NC	0.015	U	NC	0.043	U
Trichlorofluoromethane	NC	NC	0.0077	U	NC	0.0094	U	NC	0.028	U
1,1,2-Trichlorotrifluoroethane	NC	NC	0.011	U	NC	0.013	U	NC	0.039	U
1,1-Dichloroethene	NC	NC	0.0065	U	NC	0.0079	U	NC	0.023	U
Acetone	NC	NC	0.11	U	NC	0.13	U	NC	0.53	J
Carbon Disulfide	NC	NC	0.007	U	NC	0.0085	U	NC	0.025	U
Methyl tert-butyl Ether	NC	NC	0.0058	U	NC	0.007	U	NC	0.021	U
Methyl Acetate	NC	NC	0.011	U	NC	0.013	U	NC	0.039	U
Methylene Chloride	NC	NC	0.016	U	NC	0.019	U	NC	0.057	U
trans-1,2-Dichloroethene	NC	NC	0.008	U	NC	0.0097	U	NC	0.029	U
1,1-Dichloroethane	NC	NC	0.0072	U	NC	0.0088	U	NC	0.026	U
Cyclohexane	NC	NC	0.0066	U	NC	0.008	U	NC	0.024	U
2-Butanone	NC	NC	0.032	U	NC	0.039	U	NC	0.12	U
Carbon Tetrachloride	NC	NC	0.0038	U	NC	0.0046	U	NC	0.014	U
cis-1,2-Dichloroethene	NC	NC	0.0083	U	NC	0.01	U	NC	0.03	U
Chloroform	NC	NC	0.0058	U	NC	0.007	U	NC	0.021	U
1,1,1-Trichloroethane	NC	NC	0.0061	U	NC	0.0075	U	NC	0.022	U
Methylcyclohexane	NC	NC	0.0054	U	NC	0.0065	U	NC	0.019	U
Benzene	NC	NC	0.0047	U	NC	0.0057	U	NC	0.017	U
1,2-Dichloroethane	NC	NC	0.0053	U	NC	0.0064	U	NC	0.019	U
Trichloroethene	NC	NC	0.0047	U	NC	0.0057	U	NC	0.017	U
1,2-Dichloropropane	NC	NC	0.0061	U	NC	0.0074	U	NC	0.022	U
Bromodichloromethane	NC	NC	0.0045	U	NC	0.0055	U	NC	0.016	U
4-Methyl-2-Pentanone	NC	NC	0.025	U	NC	0.03	U	NC	0.089	U

Table 12
Volatile Organic Compounds in Sediment
Magna Metals

Sample ID	NYSDEC	Sample	SD-30		Sample	SD-50		Sample	SD-31	
Lab Sample Number	Sediment	Specific	Z4885-04		Specific	Z4885-06		Specific	Z4885-05	
Sampling Date	Criteria	Criteria	10/6/2008		Criteria	10/6/2008		Criteria	10/6/2008	
Matrix		TOC=4600 mg/kg	SOIL		TOC=4600 mg/kg	Duplicate of		TOC=14000 mg/kg	SOIL	
Dilution Factor			1			SD-30			1	
Units	mg/kg		mg/kg			mg/kg			mg/kg	
COMPOUND										
Toluene	235	1.081	0.0057	U	1.081	0.0069	U	3.29	0.021	U
t-1,3-Dichloropropene	NC	NC	0.0054	U	NC	0.0066	U	NC	0.02	U
cis-1,3-Dichloropropene	NC	NC	0.0043	U	NC	0.0053	U	NC	0.016	U
1,1,2-Trichloroethane	NC	NC	0.0039	U	NC	0.0048	U	NC	0.014	U
2-Hexanone	NC	NC	0.028	U	NC	0.034	U	NC	0.1	U
Dibromochloromethane	NC	NC	0.0043	U	NC	0.0052	U	NC	0.015	U
1,2-Dibromoethane	NC	NC	0.0053	U	NC	0.0064	U	NC	0.019	U
Tetrachloroethene	NC	NC	0.008	U	NC	0.0097	U	NC	0.029	U
Chlorobenzene	NC	NC	0.0049	U	NC	0.006	U	NC	0.018	U
Ethyl Benzene	212	0.9752	0.0052	U	0.9752	0.0063	U	2.968	0.019	U
m/p-Xylenes	833	3.8318	0.012	U	3.8318	0.015	U	11.662	0.043	U
o-Xylene	833	3.8318	0.0049	U	3.8318	0.006	U	11.662	0.018	U
Styrene	NC	NC	0.004	U	NC	0.0049	U	NC	0.014	U
Bromoform	NC	NC	0.0052	U	NC	0.0064	U	NC	0.019	U
Isopropylbenzene	105	0.483	0.0053	U	0.483	0.0064	U	1.47	0.019	U
1,1,2,2-Tetrachloroethane	NC	NC	0.0058	U	NC	0.007	U	NC	0.021	U
1,3-Dichlorobenzene	NC	NC	0.0043	U	NC	0.0053	U	NC	0.016	U
1,4-Dichlorobenzene	NC	NC	0.005	U	NC	0.0061	U	NC	0.018	U
1,2-Dichlorobenzene	NC	NC	0.0056	U	NC	0.0068	U	NC	0.02	U
1,2-Dibromo-3-Chloropropane	NC	NC	0.0066	U	NC	0.008	U	NC	0.024	U
1,2,4-Trichlorobenzene	NC	NC	0.0043	U	NC	0.0052	U	NC	0.015	U
Total Confident Conc.			0			0			0.53	
Total TICs			0			0			0	

Qualifiers
U - Non-detect.
J - Estimated.
NC - No Criteria.

Table 13
Semivolatile Organic Compounds in Sediment
Magna Metals

Sample ID	NYSDEC	Sample	SD-27		Sample	SD-28		Sample	SD-29	
Lab Sample Number	Sediment	Specific	Z4885-01		Specific	Z4885-02		Specific	Z4885-03	
Sampling Date	Criteria	Criteria	10/6/2008		Criteria	10/6/2008		Criteria	10/6/2008	
Matrix		TOC=1700 mg/kg	SOIL		TOC=2500 mg/kg	SOIL		TOC=6600 mg/kg	SOIL	
Dilution Factor			1			1			1	
Units	mg/kg		mg/kg			mg/kg			mg/kg	
COMPOUND										
Benzaldehyde	NC	NC	0.014	U	NC	0.015	U	NC	0.024	U
Phenol	NC	NC	0.011	U	NC	0.012	U	NC	0.02	U
bis(2-Chloroethyl)ether	NC	NC	0.0053	U	NC	0.0057	U	NC	0.0094	U
2-Chlorophenol	NC	NC	0.011	U	NC	0.012	U	NC	0.019	U
2-Methylphenol	NC	NC	0.011	U	NC	0.012	U	NC	0.019	U
2,2-oxybis(1-Chloropropane)	NC	NC	0.017	U	NC	0.018	U	NC	0.03	U
Acetophenone	NC	NC	0.012	U	NC	0.013	U	NC	0.021	U
3+4-Methylphenols	NC	NC	0.012	U	NC	0.013	U	NC	0.022	U
N-Nitroso-di-n-propylamine	NC	NC	0.015	U	NC	0.016	U	NC	0.026	U
Hexachloroethane	12.6	0.02142	0.013	U	0.0315	0.014	U	0.08316	0.023	U
Nitrobenzene	NC	NC	0.0096	U	NC	0.01	U	NC	0.017	U
Isophorone	NC	NC	0.013	U	NC	0.014	U	NC	0.023	U
2-Nitrophenol	NC	NC	0.015	U	NC	0.016	U	NC	0.026	U
2,4-Dimethylphenol	NC	NC	0.012	U	NC	0.013	U	NC	0.021	U
bis(2-Chloroethoxy)methane	NC	NC	0.0094	U	NC	0.01	U	NC	0.016	U
2,4-Dichlorophenol	NC	NC	0.0097	U	NC	0.01	U	NC	0.017	U
Naphthalene	258	0.4386	0.0098	U	0.645	0.01	U	1.7028	0.017	U
4-Chloroaniline	NC	NC	0.027	U	NC	0.029	U	NC	0.047	U
Hexachlorobutadiene	55	0.0935	0.017	U	0.1375	0.018	U	0.363	0.029	U
Caprolactam	NC	NC	0.049	U	NC	0.052	U	NC	0.086	U
4-Chloro-3-methylphenol	NC	NC	0.012	U	NC	0.013	U	NC	0.021	U
2-Methylnaphthalene	NC	NC	0.011	U	NC	0.012	U	NC	0.02	U
Hexachlorocyclopentadiene	44	0.0748	0.021	U	0.11	0.022	U	0.2904	0.037	U
2,4,6-Trichlorophenol	NC	NC	0.0095	U	NC	0.01	U	NC	0.017	U
2,4,5-Trichlorophenol	NC	NC	0.012	U	NC	0.013	U	NC	0.021	U
1,1-Biphenyl	NC	NC	0.012	U	NC	0.013	U	NC	0.021	U
2-Chloronaphthalene	NC	NC	0.0099	U	NC	0.011	U	NC	0.017	U
2-Nitroaniline	NC	NC	0.019	U	NC	0.02	U	NC	0.034	U
Dimethylphthalate	NC	NC	0.012	U	NC	0.013	U	NC	0.021	U
Acenaphthylene	NC	NC	0.006	U	NC	0.0064	U	NC	0.01	U
2,6-Dinitrotoluene	NC	NC	0.015	U	NC	0.015	U	NC	0.026	U
3-Nitroaniline	NC	NC	0.027	U	NC	0.029	U	NC	0.048	U

Table 13
Semivolatile Organic Compounds in Sediment
Magna Metals

Sample ID	NYSDEC	Sample	SD-27		Sample	SD-28		Sample	SD-29	
Lab Sample Number	Sediment	Specific	Z4885-01		Specific	Z4885-02		Specific	Z4885-03	
Sampling Date	Criteria	Criteria	10/6/2008		Criteria	10/6/2008		Criteria	10/6/2008	
Matrix		TOC=1700 mg/kg	SOIL		TOC=2500 mg/kg	SOIL		TOC=6600 mg/kg	SOIL	
Dilution Factor			1			1			1	
Units	mg/kg		mg/kg			mg/kg			mg/kg	
COMPOUND										
Acenaphthene	NC	NC	0.0088	U	NC	0.0094	U	NC	0.015	U
2,4-Dinitrophenol	NC	NC	0.022	U	NC	0.023	U	NC	0.038	U
4-Nitrophenol	NC	NC	0.024	U	NC	0.026	U	NC	0.042	U
Dibenzofuran	NC	NC	0.013	U	NC	0.013	U	NC	0.022	U
2,4-Dinitrotoluene	NC	NC	0.013	U	NC	0.014	U	NC	0.024	U
Diethylphthalate	NC	NC	0.014	U	NC	0.015	U	NC	0.024	U
4-Chlorophenyl-phenylether	NC	NC	0.016	U	NC	0.017	U	NC	0.027	U
Fluorene	NC	NC	0.011	U	NC	0.012	U	NC	0.019	U
4-Nitroaniline	NC	NC	0.032	U	NC	0.034	U	NC	0.056	U
4,6-Dinitro-2-methylphenol	NC	NC	0.055	U	NC	0.059	U	NC	0.097	U
N-Nitrosodiphenylamine	NC	NC	0.031	U	NC	0.033	U	NC	0.054	U
4-Bromophenyl-phenylether	NC	NC	0.019	U	NC	0.02	U	NC	0.033	U
Hexachlorobenzene	9081	15.4377	0.012	U	22.7025	0.013	U	59.9346	0.022	U
Atrazine	NC	NC	0.029	U	NC	0.031	U	NC	0.051	U
Pentachlorophenol	100	0.17	0.046	U	0.25	0.049	U	0.66	0.081	U
Phenanthrene	NC	NC	0.013	U	NC	0.014	U	NC	0.022	U
Anthracene	NC	NC	0.014	U	NC	0.015	U	NC	0.024	U
Carbazole	NC	NC	0.031	U	NC	0.033	U	NC	0.055	U
Di-n-butylphthalate	NC	NC	0.019	U	NC	0.02	U	NC	0.034	U
Fluoranthene	NC	NC	0.0099	U	NC	0.011	U	NC	0.017	U
Pyrene	8775	14.9175	0.0089	U	21.9375	0.0095	U	57.915	0.016	U
Butylbenzylphthalate	NC	NC	0.026	U	NC	0.027	U	NC	0.045	U
3,3-Dichlorobenzidine	NC	NC	0.031	U	NC	0.033	U	NC	0.054	U
Benzo(a)anthracene	NC	NC	0.0098	U	NC	0.01	U	NC	0.017	U
Chrysene	NC	NC	0.0076	U	NC	0.0081	U	NC	0.013	U
bis(2-Ethylhexyl)phthalate	NC	NC	0.016	U	NC	0.017	U	NC	0.027	U
Di-n-octyl phthalate	NC	NC	0.014	U	NC	0.015	U	NC	0.025	U
Benzo(b)fluoranthene	NC	NC	0.029	U	NC	0.031	U	NC	0.052	U
Benzo(k)fluoranthene	NC	NC	0.019	U	NC	0.02	U	NC	0.033	U
Benzo(a)pyrene	NC	NC	0.012	U	NC	0.013	U	NC	0.021	U
Indeno(1,2,3-cd)pyrene	NC	NC	0.01	U	NC	0.011	U	NC	0.018	U
Dibenz(a,h)anthracene	NC	NC	0.03	U	NC	0.032	U	NC	0.053	U
Benzo(g,h,i)perylene	NC	NC	0.03	U	NC	0.031	U	NC	0.052	U
Total Confident Conc.			0			0			0	
Total TICs			0			450			790	

Qualifiers
U - Non-detect.
J - Estimated.
NC - No Criteria.

Table 13
Semivolatile Organic Compounds in Sediment
Magna Metals

Sample ID	Sample	SD-30		Sample	SD-50		Sample	SD-31	
Lab Sample Number	Specific	Z4885-04		Specific	Z4885-06		Specific	Z4885-05	
Sampling Date	Criteria	10/6/2008		Criteria	10/6/2008		Criteria	10/6/2008	
Matrix	TOC=4600 mg/kg	SOIL		TOC=4600 mg/kg	Duplicate of		TOC=14000 mg/kg	SOIL	
Dilution Factor		1			SD-30			1	
Units		mg/kg			mg/kg			mg/kg	
COMPOUND									
Benzaldehyde	NC	0.015	U	NC	0.018	U	NC	0.053	U
Phenol	NC	0.012	U	NC	0.015	U	NC	0.044	U
bis(2-Chloroethyl)ether	NC	0.0057	U	NC	0.0068	U	NC	0.021	U
2-Chlorophenol	NC	0.012	U	NC	0.014	U	NC	0.043	U
2-Methylphenol	NC	0.012	U	NC	0.014	U	NC	0.042	U
2,2-oxybis(1-Chloropropane)	NC	0.018	U	NC	0.022	U	NC	0.065	U
Acetophenone	NC	0.013	U	NC	0.016	U	NC	0.047	U
3+4-Methylphenols	NC	0.013	U	NC	0.016	U	NC	0.048	U
N-Nitroso-di-n-propylamine	NC	0.016	U	NC	0.019	U	NC	0.057	U
Hexachloroethane	0.05796	0.014	U	0.05796	0.017	U	0.1764	0.051	U
Nitrobenzene	NC	0.01	U	NC	0.012	U	NC	0.037	U
Isophorone	NC	0.014	U	NC	0.017	U	NC	0.051	U
2-Nitrophenol	NC	0.016	U	NC	0.019	U	NC	0.058	U
2,4-Dimethylphenol	NC	0.013	U	NC	0.016	U	NC	0.047	U
bis(2-Chloroethoxy)methane	NC	0.01	U	NC	0.012	U	NC	0.036	U
2,4-Dichlorophenol	NC	0.01	U	NC	0.012	U	NC	0.037	U
Naphthalene	1.1868	0.011	U	1.1868	0.013	U	3.612	0.038	U
4-Chloroaniline	NC	0.029	U	NC	0.034	U	NC	0.1	U
Hexachlorobutadiene	0.253	0.018	U	0.253	0.021	U	0.77	0.064	U
Caprolactam	NC	0.053	U	NC	0.063	U	NC	0.19	U
4-Chloro-3-methylphenol	NC	0.013	U	NC	0.015	U	NC	0.046	U
2-Methylnaphthalene	NC	0.012	U	NC	0.015	U	NC	0.044	U
Hexachlorocyclopentadiene	0.2024	0.023	U	0.2024	0.027	U	0.616	0.081	U
2,4,6-Trichlorophenol	NC	0.01	U	NC	0.012	U	NC	0.037	U
2,4,5-Trichlorophenol	NC	0.013	U	NC	0.016	U	NC	0.047	U
1,1-Biphenyl	NC	0.013	U	NC	0.016	U	NC	0.046	U
2-Chloronaphthalene	NC	0.011	U	NC	0.013	U	NC	0.038	U
2-Nitroaniline	NC	0.021	U	NC	0.025	U	NC	0.074	U
Dimethylphthalate	NC	0.013	U	NC	0.015	U	NC	0.046	U
Acenaphthylene	NC	0.0064	U	NC	0.0077	U	NC	0.023	U
2,6-Dinitrotoluene	NC	0.016	U	NC	0.019	U	NC	0.056	U
3-Nitroaniline	NC	0.029	U	NC	0.035	U	NC	0.1	U

Table 13
Semivolatile Organic Compounds in Sediment
Magna Metals

Sample ID	Sample	SD-30		Sample	SD-50		Sample	SD-31	
Lab Sample Number	Specific	Z4885-04		Specific	Z4885-06		Specific	Z4885-05	
Sampling Date	Criteria	10/6/2008		Criteria	10/6/2008		Criteria	10/6/2008	
Matrix	TOC=4600 mg/kg	SOIL		TOC=4600 mg/kg	Duplicate of		TOC=14000 mg/kg	SOIL	
Dilution Factor		1			SD-30			1	
Units		mg/kg			mg/kg			mg/kg	
COMPOUND									
Acenaphthene	NC	0.0095	U	NC	0.011	U	NC	0.034	U
2,4-Dinitrophenol	NC	0.023	U	NC	0.028	U	NC	0.084	U
4-Nitrophenol	NC	0.026	U	NC	0.031	U	NC	0.093	U
Dibenzofuran	NC	0.014	U	NC	0.016	U	NC	0.049	U
2,4-Dinitrotoluene	NC	0.015	U	NC	0.017	U	NC	0.052	U
Diethylphthalate	NC	0.015	U	NC	0.018	U	NC	0.054	U
4-Chlorophenyl-phenylether	NC	0.017	U	NC	0.02	U	NC	0.06	U
Fluorene	NC	0.012	U	NC	0.014	U	NC	0.042	U
4-Nitroaniline	NC	0.035	U	NC	0.041	U	NC	0.12	U
4,6-Dinitro-2-methylphenol	NC	0.059	U	NC	0.071	U	NC	0.21	U
N-Nitrosodiphenylamine	NC	0.033	U	NC	0.039	U	NC	0.12	U
4-Bromophenyl-phenylether	NC	0.02	U	NC	0.024	U	NC	0.072	U
Hexachlorobenzene	41.7726	0.013	U	41.7726	0.016	U	127.134	0.047	U
Atrazine	NC	0.031	U	NC	0.037	U	NC	0.11	U
Pentachlorophenol	0.46	0.05	U	0.46	0.059	U	0.46	0.18	U
Phenanthrene	NC	0.014	U	NC	0.016	U	NC	0.049	U
Anthracene	NC	0.015	U	NC	0.018	U	NC	0.053	U
Carbazole	NC	0.034	U	NC	0.04	U	NC	0.12	U
Di-n-butylphthalate	NC	0.021	U	NC	0.025	U	NC	0.074	U
Fluoranthene	NC	0.011	U	NC	0.013	U	NC	0.038	U
Pyrene	40.365	0.0096	U	40.365	0.011	U	122.85	0.034	U
Butylbenzylphthalate	NC	0.028	U	NC	0.033	U	NC	0.099	U
3,3-Dichlorobenzidine	NC	0.033	U	NC	0.04	U	NC	0.12	U
Benzo(a)anthracene	NC	0.011	U	NC	0.013	U	NC	0.038	U
Chrysene	NC	0.0082	U	NC	0.0097	U	NC	0.029	U
bis(2-Ethylhexyl)phthalate	NC	0.017	U	NC	0.02	U	NC	0.06	U
Di-n-octyl phthalate	NC	0.015	U	NC	0.018	U	NC	0.055	U
Benzo(b)fluoranthene	NC	0.032	U	NC	0.038	U	NC	0.11	U
Benzo(k)fluoranthene	NC	0.02	U	NC	0.024	U	NC	0.072	U
Benzo(a)pyrene	NC	0.013	U	NC	0.015	U	NC	0.046	U
Indeno(1,2,3-cd)pyrene	NC	0.011	U	NC	0.013	U	NC	0.04	U
Dibenz(a,h)anthracene	NC	0.032	U	NC	0.039	U	NC	0.12	U
Benzo(g,h,i)perylene	NC	0.032	U	NC	0.038	U	NC	0.11	U
Total Confident Conc.		0			0			0	
Total TICs		180			0			27270	

Qualifiers
U - Non-detect.
J - Estimated.
NC - No Criteria.

Table 14
Pesticides in Sediment
Magna Metals

Sample ID	NYSDEC	Sample	SD-27		Sample	SD-28		Sample	SD-29	
Lab Sample Number	Sediment	Specific	Z4885-01		Specific	Z4885-02		Specific	Z4885-03	
Sampling Date	Criteria	Criteria	10/6/2008		Criteria	10/6/2008		Criteria	10/6/2008	
Matrix		TOC=1700 mg/kg	SOIL		TOC=2500 mg/kg	SOIL		TOC=6600 mg/kg	SOIL	
Dilution Factor			1			1			1	
Units	mg/kg		mg/kg			mg/kg			mg/kg	
COMPOUND										
alpha-BHC	NC	NC	0.00017	U	NC	0.00018	U	NC	0.0003	U
beta-BHC	NC	NC	0.00022	U	NC	0.00024	U	NC	0.00039	U
delta-BHC	NC	NC	0.00022	U	NC	0.00024	U	NC	0.00039	U
gamma-BHC	NC	NC	0.0002	U	NC	0.00021	U	NC	0.00035	U
Heptachlor	13.1	0.02227	0.00018	U	0.03275	0.0002	U	0.08646	0.00032	U
Aldrin	NC	NC	0.0002	U	NC	0.00021	U	NC	0.00035	U
Heptachlor epoxide	13.1	0.02227	0.00023	U	0.03275	0.00025	U	0.08646	0.00041	U
Endosulfan I	0.78	0.001326	0.00023	U	0.00195	0.00025	U	0.005148	0.00041	U
Dieldrin	NC	NC	0.00023	U	NC	0.00025	U	NC	0.00041	U
4,4-DDE	NC	NC	0.00023	U	NC	0.00025	U	NC	0.00041	U
Endrin	NC	NC	0.0007	U	NC	0.00075	U	NC	0.0012	U
Endosulfan II	0.78	0.001326	0.00025	U	0.00195	0.00026	U	0.005148	0.00043	U
4,4-DDD	NC	NC	0.00033	U	NC	0.00035	U	NC	0.00058	U
Endosulfan Sulfate	NC	NC	0.00028	U	NC	0.0003	U	NC	0.0005	U
4,4-DDT	NC	NC	0.0002	U	NC	0.00021	U	NC	0.00035	U
Methoxychlor	NC	NC	0.00026	U	NC	0.00028	U	NC	0.00045	U
Endrin ketone	NC	NC	0.00058	U	NC	0.00062	U	NC	0.001	U
Endrin aldehyde	NC	NC	0.00025	U	NC	0.00026	U	NC	0.00043	U
alpha-Chlordane	NC	NC	0.00023	U	NC	0.00025	U	NC	0.00041	U
gamma-Chlordane	NC	NC	0.00022	U	NC	0.00024	U	NC	0.00039	U
Toxaphene	3.2	0.00544	0.0044	U	0.008	0.0047	U	0.02112	0.0078	U
Total Confident Conc.			0			0			0	

Qualifiers
U - Non-detect.
J - Estimated.
NC - No Criteria.

Table 14
Pesticides in Sediment
Magna Metals

Sample ID	Sample	SD-30		Sample	SD-50		Sample	SD-31	
Lab Sample Number	Specific	Z4885-04		Specific	Z4885-06		Specific	Z4885-05	
Sampling Date	Criteria	10/6/2008		Criteria	10/6/2008		Criteria	10/6/2008	
Matrix	TOC=4600 mg/kg	SOIL		TOC=4600 mg/kg	Duplicate of		TOC=14000 mg/kg	SOIL	
Dilution Factor		1			SD-30			1	
Units		mg/kg			mg/kg			mg/kg	
COMPOUND									
alpha-BHC	NC	0.00019	U	NC	0.00022	U	NC	0.00067	U
beta-BHC	NC	0.00024	U	NC	0.00028	U	NC	0.00086	U
delta-BHC	NC	0.00024	U	NC	0.00028	U	NC	0.00086	U
gamma-BHC	NC	0.00021	U	NC	0.00025	U	NC	0.00076	U
Heptachlor	0.06026	0.0002	U	0.06026	0.00024	U	0.1834	0.00071	U
Aldrin	NC	0.00021	U	NC	0.00025	U	NC	0.00076	U
Heptachlor epoxide	0.06026	0.00025	U	0.06026	0.0003	U	0.1834	0.0009	U
Endosulfan I	0.003588	0.00025	U	0.003588	0.0003	U	0.01092	0.0009	U
Dieldrin	NC	0.00025	U	NC	0.0003	U	NC	0.0009	U
4,4-DDE	NC	0.00025	U	NC	0.0003	U	NC	0.0009	U
Endrin	NC	0.00076	U	NC	0.0009	U	NC	0.0027	U
Endosulfan II	0.003588	0.00027	U	0.003588	0.00032	U	0.01092	0.00095	U
4,4-DDD	NC	0.00036	U	NC	0.00043	U	NC	0.0013	U
Endosulfan Sulfate	NC	0.00031	U	NC	0.00036	U	NC	0.0011	U
4,4-DDT	NC	0.00021	U	NC	0.00025	U	NC	0.00076	U
Methoxychlor	NC	0.00028	U	NC	0.00033	U	NC	0.001	U
Endrin ketone	NC	0.00063	U	NC	0.00074	U	NC	0.0022	U
Endrin aldehyde	NC	0.00027	U	NC	0.00032	U	NC	0.00095	U
alpha-Chlordane	NC	0.00025	U	NC	0.0003	U	NC	0.0009	U
gamma-Chlordane	NC	0.00024	U	NC	0.00028	U	NC	0.00086	U
Toxaphene	0.01472	0.0048	U	0.01472	0.0057	U	0.0448	0.017	U
Total Confident Conc.		0			0			0	

Qualifiers
U - Non-detect.
J - Estimated.
NC - No Criteria.

Table 15
Polychlorinated Biphenyls (PCBs) in Sediment
Magna Metals

Sample ID	NYSDEC		Sample	SD-27		Sample	SD-28		Sample	SD-29	
Lab Sample Number	Sediment		Specific	Z4885-01		Specific	Z4885-02		Specific	Z4885-03	
Sampling Date	Criteria		Criteria	10/6/2008		Criteria	10/6/2008		Criteria	10/6/2008	
Matrix			TOC=1700 mg/kg	SOIL		TOC=2500 mg/kg	SOIL		TOC=6600 mg/kg	SOIL	
Dilution Factor				1			1			1	
Units	mg/kg			mg/kg			mg/kg			mg/kg	
COMPOUND											
Aroclor-1016	2760.8	*	4.69336	0.0046	U	6.902	0.0049	U	18.22128	0.0081	U
Aroclor-1221	2760.8	*	4.69336	0.0056	U	6.902	0.006	U	18.22128	0.0099	U
Aroclor-1232	2760.8	*	4.69336	0.0059	U	6.902	0.0063	U	18.22128	0.01	U
Aroclor-1242	2760.8	*	4.69336	0.0026	U	6.902	0.0028	U	18.22128	0.0045	U
Aroclor-1248	2760.8	*	4.69336	0.0057	U	6.902	0.0061	U	18.22128	0.01	U
Aroclor-1254	2760.8	*	4.69336	0.0058	U	6.902	0.0061	U	18.22128	0.01	U
Aroclor-1260	2760.8	*	4.69336	0.0046	U	6.902	0.0049	U	18.22128	0.0081	U
Total Confident Conc.				0			0			0	

Qualifiers
* = Sum of all PCBs
U - None detected.

Table 15
Polychlorinated Biphenyls (PCBs) in Sediment
Magna Metals

Sample ID	Sample	SD-30		Sample	SD-50		Sample	SD-31	
Lab Sample Number	Specific	Z4885-04		Specific	Z4885-06		Specific	Z4885-05	
Sampling Date	Criteria	10/6/2008		Criteria	10/6/2008		Criteria	10/6/2008	
Matrix	TOC=4600 mg/kg	SOIL		TOC=4600 mg/kg	Duplicate of		TOC=14000 mg/kg	SOIL	
Dilution Factor		1			SD-30			1	
Units		mg/kg			mg/kg			mg/kg	
COMPOUND									
Aroclor-1016	12.69968	0.005	U	12.69968	0.0059	U	38.6512	0.018	U
Aroclor-1221	12.69968	0.0061	U	12.69968	0.0072	U	38.6512	0.022	U
Aroclor-1232	12.69968	0.0064	U	12.69968	0.0076	U	38.6512	0.023	U
Aroclor-1242	12.69968	0.0028	U	12.69968	0.0033	U	38.6512	0.01	U
Aroclor-1248	12.69968	0.0061	U	12.69968	0.0073	U	38.6512	0.022	U
Aroclor-1254	12.69968	0.0062	U	12.69968	0.0074	U	38.6512	0.022	U
Aroclor-1260	12.69968	0.005	U	12.69968	0.0059	U	38.6512	0.018	U
Total Confident Conc.		0			0			0	

Qualifiers
* = Sum of all PCBs
U - None detected.

Table 16
Metals in Sediment
Magna Metals

Sample ID	NYSDEC		SD-27		SD-28		SD-29		SD-30		SD-50		SD-31	
Lab Sample Number	Sediment		Z4885-01		Z4885-02		Z4885-03		Z4885-04		Z4885-06		Z4885-05	
Sampling Date	Criteria		10/6/2008		10/6/2008		10/6/2008		10/6/2008		10/6/2008		10/6/2008	
Matrix			SOIL		SOIL		SOIL		SOIL		Duplicate of		SOIL	
Dilution Factor			1		1		1		1		SD-30		1	
Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
COMPOUND	SEL	LEL												
Aluminum	NC	NC	1390		4020		14900	J	5760	J	10500	J	10500	J
Antimony	25	2	0.48	U	0.511	U	0.831	U	0.51	U	0.617	U	1.85	U
Arsenic	33	6	0.149	U	0.159	U	2.88	J	1.52	J	2.7	J	3.17	J
Barium	NC	NC	21.4	J	47.9		295	J	98	J	191	J	166	J
Beryllium	NC	NC	0.039	J	0.14	J	0.446	J	0.201	J	0.363	J	0.275	J
Cadmium	9	0.6	0.164	J	0.198	J	1.09	J	0.551	J	1.12	J	0.537	J
Calcium	NC	NC	503	J	1060		3610	J	1370		1870		7300	J
Chromium	110	26	12.2		14.7		16.4	J	8.08	J	13.6	J	12.2	J
Cobalt	NC	NC	5.27	J	5.8	J	12.8	J	5.68	J	10.2	J	5.06	J
Copper	110	16	3.62	J	4.46	J	25.1	J	11.1	J	19.9	J	24.1	J
Iron	40000	20000	5890		5540		22800	J	11500	J	20000	J	10800	J
Lead	110	31	1.56	J	4.59	J	23	J	14.2	J	23	J	81.4	J
Magnesium	NC	NC	4140		2600		4150	J	1800	J	3120		2620	J
Manganese	1,100	460	101		61.5		**4770**	J	432	J	895	J	122	J
Mercury	1.3	0.15	0.009	UJ	0.011	J	0.057	J	0.024	J	0.028	J	0.141	J
Nickel	50	16	21.9		32		23.2	J		R	33.1		10.5	J
Potassium	NC	NC	158	J	251	J	1200	J	532	J	855	J	379	J
Selenium	NC	NC	0.679	U	0.722	U	1.18	U	0.721	U	0.872	U	2.62	U
Silver	2	1	1.02	J	0.955	J	**4.13**	J	**2.07**	J	**3.57**	J	**2.09**	J
Sodium	NC	NC	64.8	U	68.9	U	330	J	90.5	J	151	J	1190	J
Thallium	NC	NC	0.82	U	0.872	U	1.42	U	0.871	U	1.05	U	3.16	U
Vanadium	NC	NC	3.86	J	8.58	J	37.8	J	14.1	J	24.8	J	39.2	J
Zinc	270	120	12.8	J	20.2		116	J	75.5	J	148	J	44.2	J

Qualifiers
U - Non-detect.
J - Estimated.
R - Rejected.
NC - No Criteria.
BOLD indicates exceedance of SEL criteria.
Shading indicates exceedance of LEL criteria.

Table 17
TOC in Sediment
Magna Metals

Sample ID	SD-27		SD-28		SD-29		SD-30		SD-50		SD-31	
Lab Sample Number	Z4885-01		Z4885-02		Z4885-03		Z4885-04		Z4885-06		Z4885-05	
Sampling Date	10/6/2008		10/6/2008		10/6/2008		10/6/2008		10/6/2008		10/6/2008	
Matrix	SOIL		SOIL		SOIL		SOIL		Duplicate of		SOIL	
Dilution Factor	1		1		1		1		SD-30		1	
Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
COMPOUND												
TOC	1700	J	2500	J	6600	J	4600	J	4600	J	14000	J

Qualifiers
J - Estimated.