

16 Computer Drive West Albany, NY 12205 Phone: 518.453.2203 Fax: 518.689.4800

October 24, 2007

Mr. David Chiusano NYS Department of Environmental Conservation Remedial Bureau E, Section A Division of Environmental Remediation 625 Broadway 12<sup>th</sup> Floor Albany, NY 12233-7017

Re: Stauffer Management Company, Maestri Site #7-34-025, Onondaga County

Summary of Work Report - Revised

Dear Mr. Chiusano:

On behalf of Stauffer Management Company, LLC (SMC), Envirospec Engineering, PLLC (Envirospec) has prepared the following letter report to summarize field work completed at the SMC Maestri Site on July 25, 2007. The work was completed in accordance with the letter work plan submitted by Envirospec on June 19, 2007 with a response to NYSDEC comments on July 12, 2007. NYSDEC approval was granted in a letter dated July 13, 2007.

# **General Overview**

Field activities completed were at the request of the NYSDEC in order to address concerns resulting from a groundwater sample collected from MW-9 on April 3, 2007 which showed elevated levels of xylene at 827 ppb. The NYSDEC had concerns that an area of soil contamination remains in the area of MW-9 and MW-2A (formerly RW-2). To address NYSDEC concerns, two test pits were excavated in the vicinity of these wells to determine if a source of soil contamination remains. Field work began with excavation of the first test pit (TP1) running from east to west beginning inside the footprint of the original excavation completed during the remedial action near MW-9. The test pit TP1 extended to outside the original footprint. A second test pit (TP2) was then excavated from north to south perpendicular to TP1 creating a "T" shape. TP2 included the area of MW-9 and MW-8. The locations of the test pits are shown on Figure 1.

During the test pit activities, an odor was noted at a depth of approximately 6.5 to 8 feet below ground surface (bgs). Headspace samples were taken throughout excavation of both test pits with results ranging from 0.0 ppm to 258 ppm. Overburden soils were staged on poly adjacent to the excavation, screened with the PID, and ultimately re-used as backfill upon confirmation of non-detectable PID screen readings and concurrence with the DEC. Excavated soils were loaded into lined rolloff boxes positioned next to the excavation. TP1 and TP2 were delineated with poly and backfilled with clean backfill and overburden soil from TP1.

# **Objectives**

The purpose of the field activities was to determine if there was an area of soil contamination remaining in the vicinity of MW-2A and MW-9.

# **Project Team**

Envirospec Engineering, PLLC provided project management and field oversight. Abscope Environmental, Inc completed the site work. The NYSDEC provided regulatory oversight of the excavation activities.

# **Summary of Work**

Field work was completed on July 25, 2007. A photographic log and field notes documenting the project tasks are attached to this letter report.

Work began at 9:00 AM with representatives from Envirospec and the NYSDEC discussing where to begin TP1. Once the location was determined, the test pit was excavated from east to west with a length of approximately twenty-one (21) feet and a width of four (4) feet. A three (3) foot layer of overburden was first removed. Three (3) headspace samples were taken from the overburden, all of which showed PID readings of 0.0 ppm. The next layer observed in TP1 was a sandy layer beginning approximately three (3) feet bgs. This layer continued to approximately eight (8) feet bgs where a solid, cobblestone-like layer was encountered. Excavation continued through the cobblestone layer into a silt layer, which began at approximately eleven (11) feet bgs and ended at bedrock which was encountered at sixteen (16) feet bgs. The NYSDEC representative indicated the presence of an odor from approximately 8 feet to 16 feet bgs. Two (2) headspace samples from the silt layer exhibiting the odor had PID readings of 24.5 and 40.6 ppm.

TP2 began at approximately 10:00 am and was first excavated perpendicular to TP1, at a safe distance to maintain MW-8 and MW-9. The initial test pit was excavated from east to west to a length of four (4) feet. During the excavation, an electrical conduit and two waterlines were encountered. The two water lines were determined to be plugged lines connected to MW-2A which was formerly a recovery well and was replaced with a monitoring well during field work completed the week of April 24-28, 2006. The electrical conduit was former power to the RW-2 pump and was not live. The conduit and water lines were removed from the test pit.

The layers observed in TP2 were similar in appearance to those observed in TP1. The cobble layer of TP2 began at a depth of approximately 6.5 feet bgs. The silt layer began at approximately 10.5 feet below grade and ended at bedrock at a depth of sixteen (16) feet bgs. After discussion between Envirospec and the NYSDEC, it was decided to extend TP2 in order to excavate additional material that exhibited an odor. In order to extend TP2, MW-8 and MW-9 were removed. Odors were again noted by the NYSDEC representative at similar depths as encountered in TP1.

Samples for PID screening and headspace readings were collected throughout the excavation. The results are outlined in Table 1. The highest PID reading was from TP2 which had a PID screen of 432 ppm and a headspace reading of 258 ppm.



Test Pit	Depth (ft)	Time	Screen	Headspace	Other Details
2	~11-12.5	-	185	171	1st sample below hard cobble
2	13.0	-	30.2	147	Exact time not recorded, collected between 10:47 and 11:13 am
2	14.0	-	9.5	16.4	Exact time not recorded, collected between 10:47 and 11:13 am
2	14.5	11:13 AM	196	76.9	NYSDEC collected sample from same area
2	15.5	-	227	158	Exact time not recorded, between 11:13 and 11:35 am
2	16.0	-	100	121	Exact time not recorded, between 11:13 and 11:35 am
2	13.0	11:52 AM	432	258	1st sample taken directly below MW-8 and MW-9
2	15.0	-	10.4	5.1	Exact time not recorded, between 11:52 am and 12:25 pm
1	~13-14	12:25 PM	97.0	16.5	South wall of TP1
2	~14-15	1:14 PM	68.0	20.5	Near the locations of MW-9 and MW-8
-	~15-16	1:27 PM	77.0	93.4	On the corner between TP1 and TP2
2	15.0	1:34 PM	241	129	West wall of TP2
2	~3-6.5	1:46 PM	22.0	9.0	West wall, just above cobble layer
2	~3-6.6	1:53 PM	0.5	0.0	North wall, just above cobble layer
2	~10.5-16	1:57 PM	127	73.3	North wall, just below cobble layer
2	~3-6.6	2:00 PM	0.0	0.0	East wall, just above cobble layer
2	~10.5-16	2:02 PM	26.0	16.9	East wall, just below cobble layer
1	~3-8	2:11 PM	0.0	0.0	South wall, just above cobble layer
1	~11-16	2:07 PM	224	45.4	South wall, just below cobble layer

**Table 1 – PID/Headspace Sample Summary** 

After excavation, the area was delineated with poly and backfilled. The DEC concurred that overburden material could be utilized as backfill within the excavated area based on visual assessment and non-detectable PID readings. Overburden material (approximately 30 cy) was placed in the bottom of the excavation followed by a layer of crusher-run stone (approximately 35 cy) and then clean import sand (approximately 85 cy). Material was compacted with the excavator as backfilling progressed. Clean import sand was obtained from stockpiles of backfill material staged at the SMC Skaneateles Falls site. The import sand originated from an approved source located on Depot Road in Sennett, NY. Crusher-run stone was obtained from Hanson Aggregates in Skaneateles, NY. To facilitate site restoration, the excavation area was restored with topsoil, seed, and mulch.

# **Waste Management**

Waste generated from the field work consisted of excavated soil and solid waste (e.g. PPE, PVC piping, conduit, and removed monitoring wells). Soil generated from the excavation was loaded into five (5) rolloffs staged adjacent to the excavation. In order to remove as much of the impacted soil as possible, each rolloff was loaded to maximum holding capacity (approximately 30 cubic yards each) with the understanding that material would need to be appropriately redistributed for offsite disposal. Excavation ceased upon reaching maximum capacity in all rolloffs.

One RCRA sample (Sample ID: TP-Ex) was collected from the five (5) rolloffs on July 30, 2007 to characterize the waste for offsite disposal. A five-point composite sample was collected with one point from each rolloff. Rolloffs were screened with a PID and a discrete grab sample was



collected from a randomly selected rolloff as each exhibited a PID reading of 0.0 ppm. The composite sample was analyzed for TCLP VOC, SVOC, and metals; PCBs; and reactivity. The grab sample was analyzed for ignitability. Analytical data showed the material was non-hazardous and it was approved for offsite disposal at Waste Management's Mill Seat Landfill in Bergen, NY. Prior to transportation, additional rolloff boxes were brought onsite and the material redistributed so each rolloff would be within appropriate weight limits. A total of nine (9) rolloff boxes were shipped from August 22, 2007 to August 27, 2007 for a total of 170.31 tons. The chain of custody, analytical results, and waste manifests are attached to this letter report.

# **Proposed Additional Work**

# Monitoring Well

Two (2) monitoring wells were removed during the excavation (MW-8 and MW-9). SMC is proposing to install one new monitoring well to replace MW-9 which had exhibited elevated levels of xylene. The new well will be installed in the area where MW-9 was located.

Construction of the monitoring well will consist of a two-inch diameter well casing with ten feet of Schedule 40 PVC screen and riser. The well screen will be installed starting at 5 feet above the bottom of the well boring. The annular space in the screened interval will be sand packed with a No. 2 filter sand pack to one to two feet above the top of the screen. The annular space above the screened interval will be sealed with a layer of bentonite to provide a seal above the sand pack. The surface completion will consist of either a stick-up protective steel casing set in concrete and fitted with a lockable cap or a flush-to grade, bolt down, gasketed curb box set in concrete and a lockable sanitary plug.

The monitoring well will be developed no sooner than 24 hours after installation. The well will be purged with a low flow submersible pump. Purging will continue until the water is visibly free of suspended materials and field parameters (pH, temperature) stabilize, or a maximum of 24 hours.

After installation and development of the monitoring well, it will be sampled. If time has elapsed between development and sampling, three well volumes will be purged prior to sampling. The well will be gauged for depth-to -water and total depth from the top of casing to determine the elevation of groundwater and volume of water in the well. The well will be sampled using a dedicated disposable bailer. Samples will be collected in laboratory provided sample jars and placed on ice for shipping or delivery under chain-of-custody protocols. Samples will be analyzed for xylene via EPA Method 8260.

# Soil Borings

To further investigate soil conditions in the area of work, SMC is proposing to install four (4) soil borings outside the area of the test pits. Proposed locations are shown on Figure 1. Soil borings will be completed with two-foot split-spoon samplers advanced to bedrock. Soil will be placed back into the hole after the boring is completed.

Each boring will be characterized, screened with a PID, and sampled. A headspace reading will be taken from each interval that has an elevated PID reading and a sample retained from the interval with the highest headspace reading to be sent to the lab for analysis. If there is no reading



on the PID, the interval above bedrock will be sampled. Samples will be analyzed for xylene via EPA Method 8620.

# Schedule

SMC is proposing to complete the additional work upon approval by the NYSDEC. The NYSDEC will be provided with at least five (5) days notice prior to the initiation of work. After completion of the work, a letter report will be submitted to the NYSDEC summarizing the results. The report will also contain a plan for shutting down the groundwater recovery system which will consist of sampling perimeter wells to ensure the plume does not migrate.

Should you have any questions regarding the project, please do not hesitate to contact me at (518) 438-6809.

Sincerely,

# Gianna Aiezza

Gianna Aiezza, PE Principal Engineer Envirospec Engineering, PLLC

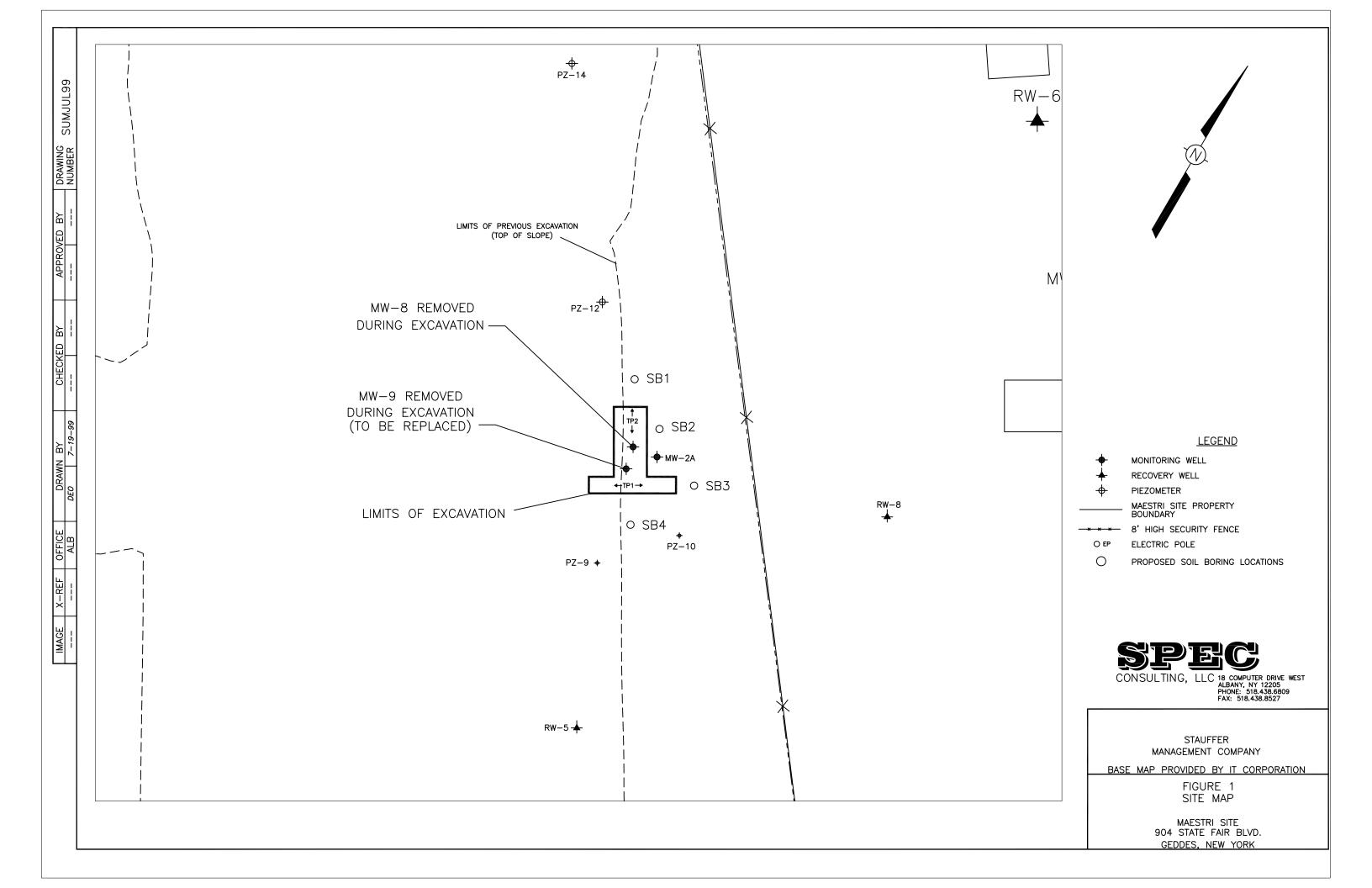
Enc

cc: B. Shay/P. Ekoniak – SMC

J. Abraham – SMC

L. Mona/M. Newman - Envirospec





1401 Erie Blvd. East Syracuse, NY 13210 Phone 315-478-2374 Fax 315-478-2107

### REPORT OF ANALYSES

Stauffer Management Company 4512 Jordan Road Skaneateles Falls, NY 13153-Attn: Ms. Gianna Aiezza

PROJECT NAME: Maestri DATE: 08/07/2007

SAMPLE NUMBER- 495756 SAMPLE ID- TP-EX
DATE SAMPLED- 07/30/07
DATE RECEIVED- 08/02/07 SAMPLER- Alan Clark
TIME RECEIVED- 1555 DELIVERED BY- Tom Barry

SAMPLE MATRIX- SO TIME SAMPLED- 1400 RECEIVED BY- RS TYPE SAMPLE- Composite

Page 1 of 2

ANALYSIS	METHOD	SAMPLE PREP DATE BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS	
Sample Receipt Temperature TCLP Extraction ZERO HEADSPACE EXTRACTION CYANIDE REACTIVITY SULFIDE REACTIVITY Percent Solids TCLP Metals Arsenic, TCLP Barium, TCLP Cadmium, TCLP Chromium, TCLP Chromium, TCLP Selenium, TCLP Selenium, TCLP Selenium, TCLP Selenium, TCLP MERCURY, TCLP MERCURY, TCLP MCCORY, TCLP MCCORY 1232 Aroclor 1242/1016 Aroclor 1248 Aroclor 1254	SW846 9030 EPA 160.3 SW846-6010 SW846-6010 SW846-6010 SW846-6010 SW846-6010 SW846-6010	08/06/07 JDC	08/06/07 08/02/07 08/06/07 08/06/07 08/06/07 08/06/07 08/06/07 08/06/07 08/06/07 08/06/07 08/04/07 08/04/07 08/04/07	1945	IVII )	Complete Complete < 10. < 50. 90. < 0.50 < 0.10. < 0.50 < 0.50 < 0.50 < 0.02	mg/Kg mg/Kg % mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	

Page 2 of 2

CONTINUATION OF DATA FOR SAMPLE NUMBER 495756

ANALYSIS	METHOD	SAMPLE PREP DATE BY		TIME BY	RESULT UNITS
Aroclor 1260 TCLP VOLATILES BENZENE, TCLP CARBON TETRACHLORIDE, TCLP CHLOROBENZENE, TCLP CHLOROFORM, TCLP 1,2-DICHLOROETHANE, TCLP 1,1-DICHLOROETHENE, TCLP METHYL ETHYL KETONE, TCLP TRICHLOROETHENE, TCLP TRICHLOROETHENE, TCLP VINYL CHLORIDE, TCLP 1,4-DICHLOROBENZENE, TCLP NITROBENZENE, TCLP NITROBENZENE, TCLP PYRIDINE, TCLP CRESOLS (TOTAL), TCLP 2,4-DINITROTOLUENE, TCLP HEXACHLOROBENZENE, TCLP HEXACHLOROBUTADIENE, TCLP HEXACHLOROBUTADIENE, TCLP PENTACHLOROPHENOL, TCLP 2,4,5-TRICHLOROPHENOL, TCLP 2,4,6-TRICHLOROPHENOL, TCLP	EPA 8082 EPA 8260 EPA 8270	08/03/07 CD 08/03/07 LRE 08/03/07 LRE	08/03/07 08/03/07 08/03/07 08/03/07 08/03/07 08/03/07 08/06/07 08/06/07 08/06/07 08/06/07 08/06/07 08/06/07 08/06/07 08/06/07 08/06/07	LRE LRE LRE LRE LRE LRE LRE LRE LRE	< 0.5 mg/Kg  < 0.050 mg/L < 0.00 mg/L < 0.10 mg/L

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms and Conditions on Reverse Side)



1401 Erie Blvd, East Syracuse, NY 13210 Phone 315-478-2374 Fax 315-478-2107

# REPORT OF ANALYSES

Stauffer Management Company 4512 Jordan Road Skaneateles Falls, NY 13153-Attn: Ms. Gianna Aiezza

PROJECT NAME: Maestri DATE: 08/07/2007

SAMPLE NUMBER- 495757 SAMPLE ID- TP-EX
DATE SAMPLED- 07/30/07
DATE RECEIVED- 08/02/07 SAMPLER- Alan Clark
TIME RECEIVED- 1555 DELIVERED BY- Tom Barry

SAMPLE MATRIX- SO TIME SAMPLED- 1405 RECEIVED BY- RS TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS

METHOD

ANALYSIS DATE

TIME BY RESULT UNITS

Sample Receipt Temperature Ignitability of Solids

08/02/07 RS 3.0 Degrees C SW846 1030 08/06/07 1345 RRB NO BURN mm/sec

NYSDOH LAB ID NO. 11246

APPROVED BY:

(Terms Reverse Side)

# CHAIN OF CUSTODY RECORD

Certified Environmental Services, Inc. 1401 Erie Blvd. East Syracuse, NY 13210

95196 Turn-Around Time: BATCH NO:

PARAMETERS FOR ANALYSIS TOTAL NUMBER OF CONTAINERS Samples Received in Good Condition:

☐ Yes ☐ No o Page TOTAL NUMBER OF CONTAINERS DATE 4/3/0 CLIENT ID/SAMPLE LOCATION SAMPLES RECEIVED BY: Standard
To Week
To 72 Hours
To 48 Hours PROJECT NUMBER/NAME: PURCHASE ORDER NO: Signature: D-EK 8 NAME Other MATRIX lioS snoenby Fax: 315-478-2107 TYPE Grab CLIENT NAME: Stauffer Mangichan SAMPLES RELINQUISHED BY: Comp. Time 2.00 730 po 2005 Collected 6029 ALC9 7/36/67 Date Sampler's Name: 14 Ann Phone: 315-478-2374 CES Sample Numbers SPECIAL REMARKS: ADDRESS: 45/2 CONTACT NAME: LAB USE ONLY FAX: (3 K 495757 PHONE: 495756

Temperature TIME: 1430 DATE: SIVITIME: 155S SIGNATURE NAME: SIGMAT DATE: 8/1/67 8 DATE:8/0/07 NAME: Alan Claria SIGNATURE: Alan NAME

White - CES's Copy . Canary - Return to Client With Report . Pink - Clients Initial Copy

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TRANSPORTER #1

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169-BLS-C 6 10497 (Rev. 8/06)

Printed Typed Name

17c. Signature of Alternate Facility (or Generator)

18. Designated Facility Owner or Operator; Certification of receipt of materials govered by the manifest except as noted in Item 17a

FACILITY

Facility's Phone:

TRANSPORTER #:

Day

Month - Day

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Transporter Signature (for exports only):  16. Transporter Acknowledgment of Receipt of Materials  Transporter 1 Printed/Typed Name  17. Discrepancy  17a. Discrepancy Indication Space Quantity  17b. Alternate Facility (or Generator)  Facility's Priorie:  17c. Signature of Atternate Facility (or Generator)  Jane Gracie=Scalehouse  WM Millseat Landfill  Bergen, NY 14416	Signature   Signature     Signature     Manifest Refer	leaving U.S.:	Partal		Month Day  Month Day  Month Day
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4	NON-HAZARDOUS	2. Page 1 of	87)-	424-	9300	1. Waste Tra	013			į
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# Envirospec Engineering, PLLC Photographic Record

Customer: Stauffer Management Co. Project Number: E07-102

Site Name: SMC Maestri Site Location: Geddes, New York

Pic #: 070725076

Date: 07/25/07

Direction: Looking SE

Comments:

Orange fence shows demarcation of previous excavation



Pic #: 070725077

Date: 07/25/07

Direction: **Looking S** 

Comments:

Overburden pile from TP1



# Envirospec Engineering, PLLC Photographic Record

Customer: Stauffer Management Co. Project Number: E07-102

Site Name: SMC Maestri Site Location: Geddes, New York

Pic #: **070725086** 

Date: 07/25/07

Direction: Looking W, Into

Comments:

TP1

TP1's three primary layers can be viewed. Odor observed in cobble layer.



Pic #: 070725093

Date: 07/25/07

Direction: Looking E

Comments:

Two (2) waterlines and one (1) electrical line were found in TP2. None were live, removed from the test pits.



# Envirospec Engineering, PLLC Photographic Record Customer: Stauffer Management Co. Project Number: E07-102 Site Name: SMC Maestri Site Location: Geddes, New York

Pic #: 070725107

Date: 07/25/07

Direction: Looking W

Comments:

Profile along western wall of TP2 showing distinct layers in soil.



Pic #: **0707251442** 

Date: 07/25/07

Direction: Looking S

Comments:

Overview of excavated area



# Envirospec Engineering, PLLC Photographic Record Customer: Stauffer Management Co. Project Number: E07-102 Site Name: SMC Maestri Site Location: Geddes, New York

Pic #: **070725134** 

Date: 07/25/07

Direction: Into Test Pits

Comments:

Groundwater seepage near bedrock.



Pic #: 070725147

Date: 07/25/07

Direction:
Into Excavator
Bucket

Comments:

Excavated soils from just above bedrock.



# Envirospec Engineering, PLLC Photographic Record Customer: Stauffer Management Co. Project Number: **E07-102**

Pic #: 070725148

Date: 07/25/07

Direction: Looking E

Comments:

**Delineated sides of** excavated area with poly.





Envirospec Engineering, PLLC 16 Computer Drive West Albany, NY 12205

Phone: 518.438.6809 Fax: 518.438.8527

Page No.	1	of	2	=			
Date	Wed	_					
Date	July :	July 25, 2007					
Weather		Tem	peratur	е			
Partly Sunny		High	84				
		Low	64				

# SITE OBSERVATION REPORT

Project _	SMC Maestri	Project No.	07-102
Location	Geddes, NY		
On-Site:	Abscope (refer to sign in sheet) David Chiusano (NYSDEC) Laura Mona (SPEC) Matthew Newman (SPEC)		

# General

- Test pits dug to observe sediment near MW8 and MW9
- Two test pits labeled TP1 and TP2
- Monitoring wells 8 and 9 were removed during the excavation of TP2
  - o MW9 removed at 11:42 AM
  - o MW8 removed at 11:44 AM
- The topmost section of the well piping for PZ9 was broken at approximately 12:57 PM
- Test pits were delineated with poly prior to backfill

# Test Pit 1 (TP1)

- TP1 ran east to west with MW9 along its north wall
- TP1 ran from the area where previous cleaning activities had occurred and into untouched area with approximate dimensions of 21'x4' (East/WestxNorth/South)
- TP1 showed three general layers
  - Top layer was a soft, sandy layer beginning 3' bgs and ending 8' bgs
  - Second layer was a solid, "cobblestone-like" layer that began at the end of the top layer and extended 11' bgs. It had the appearance of a concrete/cobblestone slab and an odor was noted
  - Third layer was a silt layer beginning at the end of the "cobblestone" layer and ending at bedrock at a depth of 16 feet. It had a clay-like appearance with sand-like properties and also was noted with a similar odor found in the previous layer
- Three initial samples were taken from the overburden, all three of which had a PID of 0.00
- Two additional samples were screened from all the sediment taken into the first rolloff at 9:56 AM, with head spaces of 24.5 and 40.6 ppm respectively

# Test Pit 2 (TP2)

- TP2 ran north to south with MW8 and MW9 both removed
- TP2 ran close to the line between area from previous remediation work and untouched area with approximate dimensions of 8'x14' (East/WestxNorth/South)
- TP2 could be divided into similar sediment layers to those found in TP1
  - o Top soft, sandy layer began at 3' and ended at 6.5' bgs.
  - Second, "cobblestone" layer ranged from 6.5' to 10.5' bgs
  - Third, high silt layer ranged from 10.5' to 16' bgs
  - Odors were noted in the same layers as TP1
- Two water lines and one electrical conduit were struck during the digging of TP2 at 10:33 AM
  - o The conduit/line were at a depth of 5' and a distance of 5' from MW9 to center of piping
  - Casing of electrical conduit was struck
  - The water lines were connected to RW2A and had been plugged when it was overdrilled and converted into a monitoring well
  - The electrical line was not live and was cut
  - Electrical and water lines were removed from TP2

Continued next page



Envirospec Engineering, PLLC 16 Computer Drive West Albany, NY 12205

Phone: 518.438.6809 Fax: 518.438.8527

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Page No. 2 of 2 Date 07/25/07

# SITE OBSERVATION REPORT

Project SMC Maestri Project No. 07-102

Location City Name, NY

# Sampling/Offsite Disposal

# Samples

- Headspace samples were taken at random intervals based upon color, texture, and odor of the sediment being extracted
- DEC collected period samples from the bucket of the excavator during work
- A table of the samples can be found below

Test Pit	Depth (ft)	Time	Screen	Headspace	Other Details
2	~11-12.5	-	185	171	1st sample below hard cobble
2	13.0	ı	30.2	147	Exact time not recorded, collected between 10:47 and 11:13 am
2	14.0	-	9.5	16.4	Exact time not recorded, collected between 10:47 and 11:13 am
2	14.5	11:13 AM	196	76.9	NYSDEC collected sample from same area
2	15.5	-	227	158	Exact time not recorded, between 11:13 and 11:35 am
2	16.0	-	100	121	Exact time not recorded, between 11:13 and 11:35 am
2	13.0	11:52 AM	432	258	1st sample taken directly below MW-8 and MW-9
2	15.0	ı	10.4	5.1	Exact time not recorded, between 11:52 am and 12:25 pm
1	~13-14	12:25 PM	97.0	16.5	South wall of TP1
2	~14-15	1:14 PM	68.0	20.5	Near the locations of MW-9 and MW-8
-	~15-16	1:27 PM	77.0	93.4	On the corner between TP1 and TP2
2	15.0	1:34 PM	241	129	West wall of TP2
2	~3-6.5	1:46 PM	22.0	9.0	West wall, just above cobble layer
2	~3-6.6	1:53 PM	0.5	0.0	North wall, just above cobble layer
2	~10.5-16	1:57 PM	127	73.3	North wall, just below cobble layer
2	~3-6.6	2:00 PM	0.0	0.0	East wall, just above cobble layer
2	~10.5-16	2:02 PM	26.0	16.9	East wall, just below cobble layer
1	~3-8	2:11 PM	0.0	0.0	South wall, just above cobble layer
1	~11-16	2:07 PM	224	45.4	South wall, just below cobble layer

# Rolloffs

- 5 rolloffs were loaded with sediment extracted from the two test pits
- First contained sediment extracted from TP1 from 3' bgs to a depth of 14'
- Second contained sediment extracted from TP2 from 3-4' bgs to a depth of 14'
- Third contained sediment extracted from both TP1 and TP2
  - o TP1 sediment was extracted from 14-16' bgs
  - o TP2 sediment was extracted from 3-4' bgs to a depth of 13' primarily beneath MW8 and MW9
- Fourth contained sediment extracted from TP2 from 13' to 16' bgs
- Fifth contained sediment extracted from both TP1 and TP2 ranging from 3' to 16' bgs

# Backfill

- Delineated all sides with poly
- Overburden was placed on bottom (after discussions with DEC)
- 2 loads of Crusher-run (Hanson) placed on top of overburden
- 5 loads of clean sand (trucked in from stockpiles of clean fill Skan Falls site initially from Sennett Pit) placed on top of crusher-run
- Sand backfill compacted with excavator bucket as much as possible with each "lift"

The above comments were made by:	M. Newman
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