DT CONSULTING SERVICES, INC.

PETROLEUM CONTAMINATED SOIL (PCS) DISPOSAL WORKPLAN REVISED FOR LL FUEL STORAGE, LLC LAUREL AVENUE & GRIFF COURT SOUTH FALLSBURG, NEW YORK

BROWNFIELD CLEANUP PROGRAM

SITE NUMBER C353017

May 16, 2022

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ATTACHMENTS

1.0 INTRODUCTION AND PURPOSE

This Petroleum Contaminated Soil (PCS) Disposal Work Plan has been prepared at the request of the New York State Department of Environmental Conservation (NYSDEC or Department) and will be employed during Site activities associated with the loading and off-Site disposal of source material currently staged on-Site. The Subject Property, located at the intersection of Laurel Avenue and Griff Court (also referenced in historical reporting as 74 Griff Court), is located in the Town of South Fallsburg, Sullivan County, New York (heretofore referenced as the Site or Subject Property). Refer to Figures 1-2 for Site Location and Site (base) Maps respectively. The Site has been accepted into the NYSDEC Brownfield Cleanup Program (BCP) via the agreement executed on March 21, 2022 and is identified as Site Number of C353017.

The purpose of this work is to properly load, transport and dispose of approximately 900 tons of petroleum contaminated soil generated, stockpiled on 6-mil polysheeting and covered during remedial processes conducted under a NYSDEC approved work plan on the Subject Property in July 2020. For detailed descriptions of initial remedial action conducted on the Subject Property, please refer to Remedial Action Summary Report, DT Consulting Services, Inc., September 11, 2020.

2.0 SITE INFORMATION

The BCP Site is located at the intersection of Laurel Avenue and Griff Court, South Fallsburg, New York. On account of this intersection and 911 address changes, the property has also been referenced as 25 Laurel Avenue, 74 Griff Court and Laurel Ave Tr 34. For the purposes of this work plan the 1.40-acre Site has been and will be referenced as Laurel Avenue & Griff Court (Tax ID 51.-1-8.2). The Site is improved with ten aboveground storage tanks (ASTs), a fuel truck loading rack and an oil-water separator utilized to treat storm water run-off within the secondary containment area surrounding the ASTs prior to discharge. The property contains no Site structures other than an

operating booth and is unmanned. There are no other Site improvements on the Subject Property (other than those listed above) as all historical buildings have been demolished. Note that the facility does maintain a Spill Prevention Control and Countermeasure (SPCC) Plan. Under the NYSDEC PBS Program, facilities with a combined petroleum storage capacity of greater than eleven hundred gallons or which have any underground storage tanks (USTs) with capacities greater than 110-gallons or which have a stationary waste oil tank are required to comply with registration, handling, storage, and record keeping requirements established in 6 NYRCRR Part 613. Review of a NYSDEC PBS Registration Certificate revealed that the South Fallsburg facility is registered under PBS No. 3-123226 and is operated by HOP Energy LLC.

Stone base driveways and operational areas are found along the north, east and western sides of the main Site structure. The Subject Property is situated within a mixed use setting and is accessed from Laurel Avenue located east of the Subject Property. The Site is generally level and at grade with the adjacent roadway.

3.0 WASTE PROFILE SAMPLING

In order to gain approval for transport and disposal of source material, soil samples were obtained from the contaminated soil pile (during active Site excavation in July 2020) for laboratory testing by DT Consulting Services, Inc. (DTCS). Upon collection, DTCS submitted the composited staged soil samples to York Analytical Laboratories, Inc. (York) of Stratford, CT for the performance of technical analysis. Sampling methodology for Staged Soil I & II included the Toxicity Characteristic Leaching Procedure (TCLP) soil extraction method for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), RCRA metals, total polychlorinated biphenyl's (PCBs) and total petroleum hydrocarbons (TPH) diesel range organics (DRO), TPH gasoline range organics (GRO) and ignitability via EPA test methods 8260, 8270, 3050A/7471, 8082, 3550C, 5030B, respectively. Alternatively, analytical methods utilized to test Staged Soil I & II included the NYSDEC CP-51 compound list for total

VOCs and SVOCs via EPA test methods 8260 and 8270 respectively. Samples were composited as follows:

York Project No. 20G0369-01 – 20G0369-03

Sample No. 001 = Staged Soil – I

Sample No. 002 = Staged Soil – II

Sample No. 003 = Staged Soil – I & II

Included for your review in Attachment A is a copy of the Technical Report as generated during analysis of the staged soil on-Site.

4.0 WASTE PROFILING/FACILITY APPROVAL

Prior to scheduling proper waste disposal, DTCS prepared the necessary waste characterization or profile sheet and forwarded said Site data along with a copy of the technical report generated on the staged soil for approval to the chosen disposal facility. The County of Broome, Department of Public Works – Division of Solid Waste Management has approved the disposal of source material on-Site at the Broome County Landfill, 286 Knapp Road, Binghamton, New York. A copy of the approval letter has been placed in Attachment B for your reference.

5.0 PCS LOADING, TRANSPORTATION AND DISPOSAL

The petroleum contaminated source material currently staged on-Site will be loaded with the use of heavy equipment into permitted NYSDEC Division of Materials Management Part 364 waste transport trailers. The selected hauler will also be authorized to transport the waste to the designated facility (i.e., Broome County Landfill). To prevent transfer of contamination off the property and residual contamination from being left on the property by excavation equipment the following decontamination procedures will be followed (see Figure 3 for a Site map depicting the staged soil and decontamination areas):

- Before any petroleum contaminated soil is loaded into trailers, plastic sheeting will be placed on the ground so that spilled waste cannot contact the ground surface;

- All equipment wheels and tires will be cleaned over plastic sheeting by means of shovels and stiff bristled brooms or brushes until they are fully cleaned; and

- When cleaning is complete, debris will be replaced on the staged soil pile for disposal.

Prior to leaving the property, a manifest or bill of lading will be prepared and a copy of said documentation will be collected by the on-Site project manager. The truck would subsequently be inspected to ensure that the load is properly secured and covered and that the truck has been properly decontaminated.

6.0 HEALTH AND SAFETY PLAN

As more fully described in Sections 1 - 3 of this document, petroleum contaminated soils have been excavated, staged and sampled during the course of initial remedial processes. All proposed work (i.e., the loading and off-Site disposal of impacted source materials) will be conducted according to a Site-specific Health and Safety Plan (HASP). A copy of the HASP has been placed in Attachment C for your reference.

7.0 AIR MONITORING/COMMUNITY AIR MONITORING PLAN

Air monitoring will be performed during earth moving activities to ensure that there are no volatile organic compounds (VOCs) and/or fugitive dust from the generated during the loading of impacted soils which could potentially impact the air quality on and surrounding the Site. To complete this task, a Site specific Community Air Monitoring Plan or CAMP which will be employed during the execution of this work plan has been placed in Attachment D for review and approval. The overall objective of the CAMP is to establish requirements for protection measures for downwind receptors from

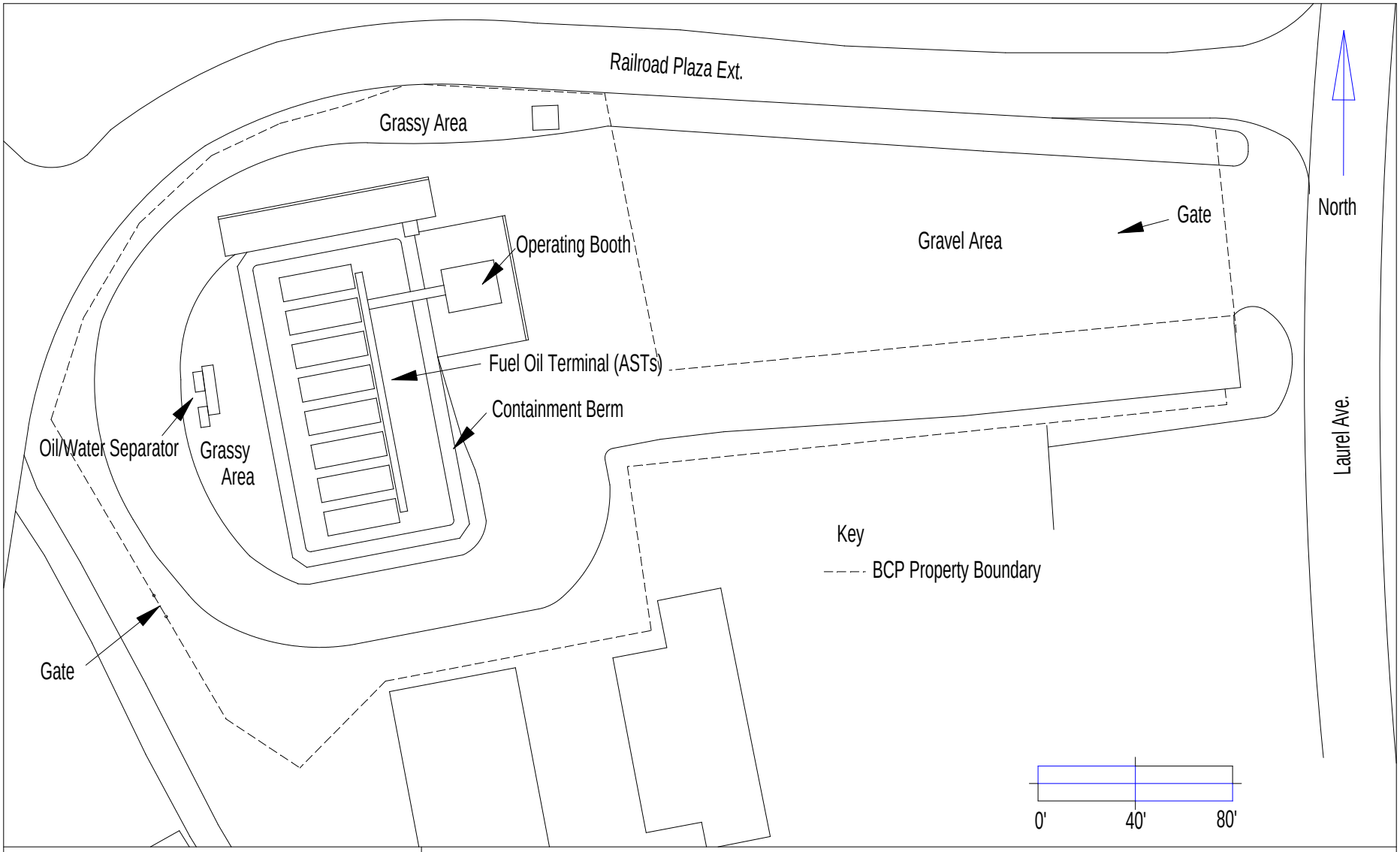
potential airborne releases of constituents of concern during intrusive and/or potential dust generating Site activities.

8.0 PROJECT SCHEDULE

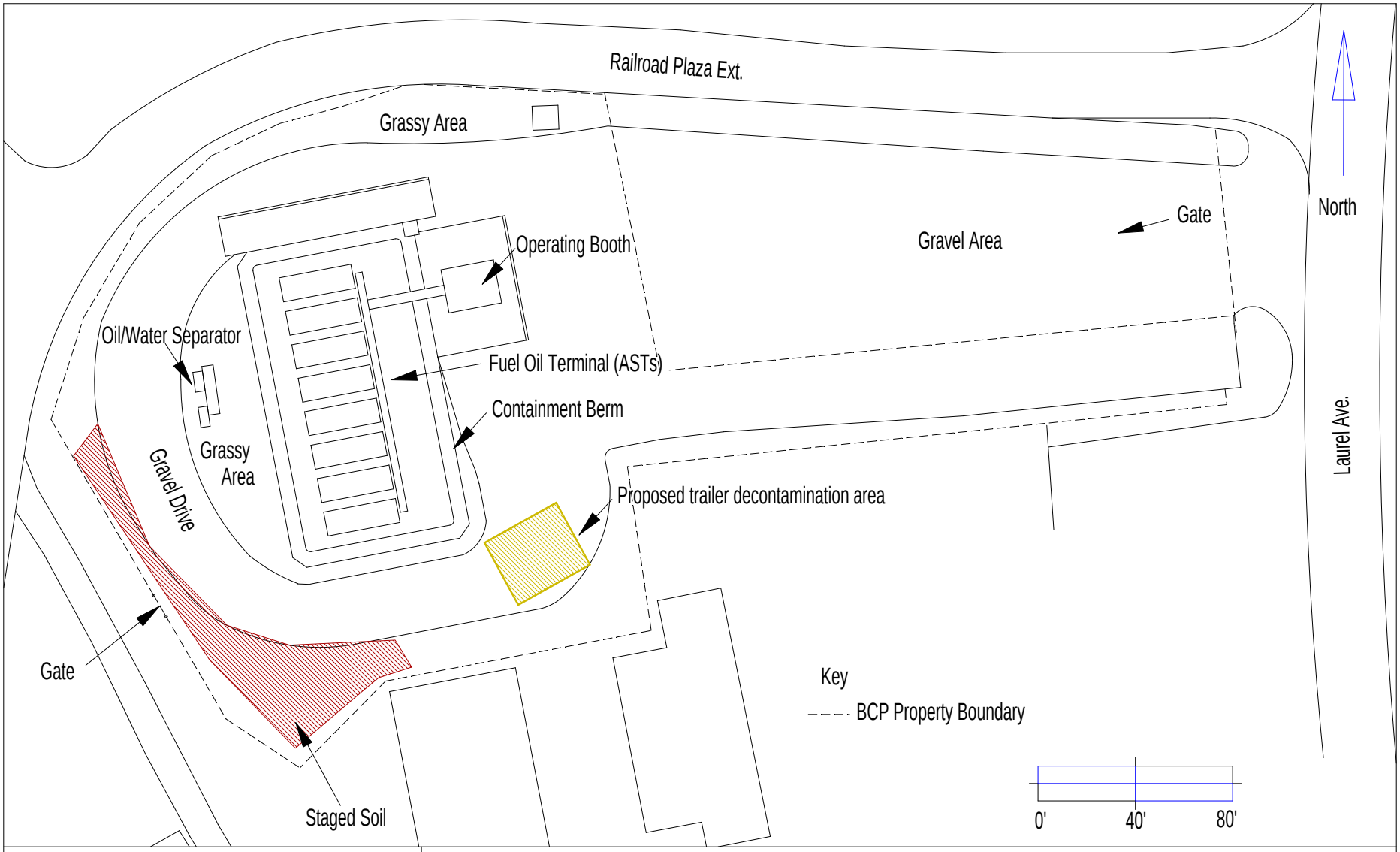
The PCS Disposal Work Plan proposed herein will be implemented within thirty days of receiving NYSDEC and NYSDOH approval. DTCS estimates that on-Site field work will require five – six days to complete. At the conclusion of disposal processes, DTCS will prepare a summary of executed field work including photo documentation of the areas where the staged soil was present, results of the CAMP, and provide copies of the waste manifests/weight tickets for NYSDEC and NYSDOH review and approval within forty-five days of field work completion.

FIGURES

DT Consulting Services, Inc. 1291 Old Post Road Ulster Park, New York 12487 (845) 658-3484	Client: LL Fuel Storage, LLC		
	Location: 74 Griff Court, South Fallsburg, New York		
	Title: Site Location Map		BCP No: C353017
	Scale: Graphic	Drawn By: O.T.	Fig.#: 1



DT Consulting Services, Inc. 1291 Old Post Road Ulster Park, New York 12487 (845) 658-3484	Client: LL Fuel Storage, LLC		
	Location: Laurel Avenue & Griff Court, South Fallsburg, Sullivan County, New York		
	Title: Site (base) Map		
	Scale: Graphic	Drawn By: O.T.	BCP#: C353017	Figure: 2



DT Consulting Services, Inc.
1291 Old Post Road
Ulster Park, New York 12487
(845) 658-3484

Client: LL Fuel Storage, LLC			
Location: Laurel Avenue & Griff Court, South Fallsburg, Sullivan County, New York			
Title: Site (base) Map - Staged Soil & Decontamination Area			
Scale: Graphic	Drawn By: O.T.	BCP#: C353017	Figure: 3

ATTACHMENTS

DT CONSULTING SERVICES, INC.

ATTACHMENT A

Technical Report

prepared for:

DT Consulting Services
1291 Old Post Road
Ulster Park NY, 12487
Attention: Deborah Thompson

Report Date: 07/17/2020
Client Project ID: 74 Griff Court South Fallsburg, NY
York Project (SDG) No.: 20G0369

Report Date: 07/17/2020
Client Project ID: 74 Griff Court South Fallsburg, NY
York Project (SDG) No.: 20G0369

DT Consulting Services
1291 Old Post Road
Ulster Park NY, 12487
Attention: Deborah Thompson

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 10, 2020 with a temperature of 2.1 C. The project was identified as your project: **74 Griff Court South Fallsburg, NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
20G0369-01	Staged Soil I	Soil	07/08/2020	07/10/2020
20G0369-02	Staged Soil II	Soil	07/08/2020	07/10/2020
20G0369-03	Staged Soil I + II	Soil	07/08/2020	07/10/2020

General Notes for York Project (SDG) No.: 20G0369

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 07/17/2020

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **Staged Soil I** **York Sample ID:** **20G0369-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20G0369	74 Griff Court South Fallsburg, NY	Soil	July 8, 2020 12:40 pm	07/10/2020

Volatile Organics, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
107-06-2	1,2-Dichloroethane	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
78-93-3	2-Butanone	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
71-43-2	Benzene	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
56-23-5	Carbon tetrachloride	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
108-90-7	Chlorobenzene	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
67-66-3	Chloroform	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
127-18-4	Tetrachloroethylene	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
79-01-6	Trichloroethylene	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-01-4	Vinyl Chloride	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:16	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.5 %*	*77-125*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.1 %*	*76-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.1 %*	*85-120*

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes: **EXT-EM**

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	6.45	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:49	OW
								Certifications:	NELAC-NY10854,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	7.22	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:49	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	6.54	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:49	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	4.73	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:49	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: Staged Soil I

York Sample ID: 20G0369-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20G0369	74 Griff Court South Fallsburg, NY	Soil	July 8, 2020 12:40 pm	07/10/2020

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	1.71	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:49	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
65794-96-9	3- & 4-Methylphenols	ND		ug/L	7.43	20.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:49	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1319-77-3	Cresols, total	ND		ug/L	7.40	30.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:49	OW
								Certifications: CTDOH,NELAC-NY10854			
118-74-1	Hexachlorobenzene	ND		ug/L	5.91	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:49	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	6.62	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:49	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
67-72-1	Hexachloroethane	ND		ug/L	7.26	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:49	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	3.93	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:49	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-86-5	Pentachlorophenol	ND	CCV-L	ug/L	7.53	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:49	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
110-86-1	Pyridine	ND		ug/L	6.37	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:49	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*61.0 %*	*10-90.9*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*49.7 %*	*10-69.2*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*97.9 %*	*19.2-141*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*79.0 %*	*24.8-127*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*94.9 %*	*23-163*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*90.5 %*	*25.8-110*

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	ND		ug/L	0.222	0.222	1	EPA 8081B/1311	07/14/2020 14:34	07/15/2020 09:33	CM
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311	07/14/2020 14:34	07/15/2020 09:33	CM
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311	07/14/2020 14:34	07/15/2020 09:33	CM
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-44-8	Heptachlor	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311	07/14/2020 14:34	07/15/2020 09:33	CM
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311	07/14/2020 14:34	07/15/2020 09:33	CM
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: Staged Soil I

York Sample ID: 20G0369-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20G0369	74 Griff Court South Fallsburg, NY	Soil	July 8, 2020 12:40 pm	07/10/2020

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-43-5	Methoxychlor	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311	07/14/2020 14:34	07/15/2020 09:33	CM
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		ug/L	1.11	1.11	1	EPA 8081B/1311	07/14/2020 14:34	07/15/2020 09:33	CM
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*109 %*	*30-120*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*65.3 %*	*30-120*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A	07/15/2020 08:02	07/16/2020 14:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A	07/15/2020 08:02	07/16/2020 14:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A	07/15/2020 08:02	07/16/2020 14:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A	07/15/2020 08:02	07/16/2020 14:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A	07/15/2020 08:02	07/16/2020 14:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A	07/15/2020 08:02	07/16/2020 14:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A	07/15/2020 08:02	07/16/2020 14:46	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A	07/15/2020 08:02	07/16/2020 14:46	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*43.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*75.5 %*	*30-140*

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A/1311	07/14/2020 16:04	07/15/2020 18:48	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A/1311	07/14/2020 16:04	07/15/2020 18:48	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: **Staged Soil I** **York Sample ID:** **20G0369-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20G0369	74 Griff Court South Fallsburg, NY	Soil	July 8, 2020 12:40 pm	07/10/2020

Herbicides, TCLP Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3535A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*55.6 %*			*10-150*					

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	**6680**		mg/kg dry	10.9	1	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	07/14/2020 07:58	07/14/2020 23:56	CM
	Surrogate Recoveries	**Result**		**Acceptance Range**						
638-68-6	*Surrogate: Triacontane*	*71.6 %*		*30-150*						

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	**1860**	B	mg/kg dry	21.7	100	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	07/14/2020 16:01	07/15/2020 00:47	SS
	Surrogate Recoveries	**Result**		**Acceptance Range**						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*165 %*	S-08	*70-130*						

Metals, TCLP RCRA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.375	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:00	KML
7440-39-3	Barium	ND		mg/L	0.625	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:00	KML
7440-43-9	Cadmium	ND		mg/L	0.075	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:00	KML
7440-47-3	Chromium	ND		mg/L	0.125	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:00	KML
7439-92-1	**Lead**	**0.136**		mg/L	0.125	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:00	KML
7782-49-2	Selenium	ND		mg/L	0.625	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:00	KML
7440-22-4	Silver	ND		mg/L	0.125	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:00	KML

Sample Information

Client Sample ID: **Staged Soil I** **York Sample ID:** **20G0369-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20G0369	74 Griff Court South Fallsburg, NY	Soil	July 8, 2020 12:40 pm	07/10/2020

Mercury TCLP by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.000200	1	EPA 7473/1311	07/14/2020 11:40	07/14/2020 14:25	SY
							Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854			

Ignitability

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Ignitability	Non-Ignit.		None	1	1	EPA 1030P	07/13/2020 09:16	07/13/2020 09:29	TAJ
							Certifications:			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.3**		%	0.100	1	SM 2540G	07/13/2020 08:05	07/13/2020 16:20	WJM
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	07/13/2020 14:57	07/14/2020 11:38	TAJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP extr. for SVOA/PEST/HERBS

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	07/13/2020 14:53	07/14/2020 11:35	TAJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	07/13/2020 14:59	07/14/2020 11:43	TAJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: **Staged Soil II** **York Sample ID:** **20G0369-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20G0369	74 Griff Court South Fallsburg, NY	Soil	July 8, 2020 1:38 pm	07/10/2020

Volatile Organics, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
107-06-2	1,2-Dichloroethane	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
78-93-3	2-Butanone	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
71-43-2	Benzene	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
56-23-5	Carbon tetrachloride	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
108-90-7	Chlorobenzene	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
67-66-3	Chloroform	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
127-18-4	Tetrachloroethylene	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
79-01-6	Trichloroethylene	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		
75-01-4	Vinyl Chloride	ND		ug/L	25	50	10	EPA 8260C/1311	07/14/2020 09:30	07/14/2020 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.3 %*	*77-125*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.7 %*	*76-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.4 %*	*85-120*

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	6.45	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:17	OW
								Certifications:	NELAC-NY10854,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	7.22	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:17	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	6.54	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:17	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	4.73	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:17	OW
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: Staged Soil II

York Sample ID: 20G0369-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20G0369	74 Griff Court South Fallsburg, NY	Soil	July 8, 2020 1:38 pm	07/10/2020

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	1.71	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:17	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
65794-96-9	3- & 4-Methylphenols	ND		ug/L	7.43	20.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:17	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1319-77-3	Cresols, total	ND		ug/L	7.40	30.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:17	OW
								Certifications: CTDOH,NELAC-NY10854			
118-74-1	Hexachlorobenzene	ND		ug/L	5.91	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:17	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	6.62	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:17	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
67-72-1	Hexachloroethane	ND		ug/L	7.26	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:17	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	3.93	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:17	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-86-5	Pentachlorophenol	ND		ug/L	7.53	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:17	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
110-86-1	Pyridine	ND		ug/L	6.37	10.0	1	EPA 8270D/1311	07/14/2020 14:42	07/15/2020 13:17	OW
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*57.1 %*	*10-90.9*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*44.7 %*	*10-69.2*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*94.8 %*	*19.2-141*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*74.1 %*	*24.8-127*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*88.7 %*	*23-163*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*90.1 %*	*25.8-110*

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	ND		ug/L	0.222	0.222	1	EPA 8081B/1311	07/14/2020 14:34	07/15/2020 09:49	CM
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311	07/14/2020 14:34	07/15/2020 09:49	CM
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311	07/14/2020 14:34	07/15/2020 09:49	CM
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-44-8	Heptachlor	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311	07/14/2020 14:34	07/15/2020 09:49	CM
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311	07/14/2020 14:34	07/15/2020 09:49	CM
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: Staged Soil II

York Sample ID: 20G0369-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20G0369	74 Griff Court South Fallsburg, NY	Soil	July 8, 2020 1:38 pm	07/10/2020

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-43-5	Methoxychlor	ND		ug/L	0.0444	0.0444	1	EPA 8081B/1311	07/14/2020 14:34	07/15/2020 09:49	CM
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		ug/L	1.11	1.11	1	EPA 8081B/1311	07/14/2020 14:34	07/15/2020 09:49	CM
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*117 %*	*30-120*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*65.6 %*	*30-120*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	1	EPA 8082A	07/15/2020 08:02	07/16/2020 14:59	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A	07/15/2020 08:02	07/16/2020 14:59	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A	07/15/2020 08:02	07/16/2020 14:59	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A	07/15/2020 08:02	07/16/2020 14:59	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A	07/15/2020 08:02	07/16/2020 14:59	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A	07/15/2020 08:02	07/16/2020 14:59	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A	07/15/2020 08:02	07/16/2020 14:59	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A	07/15/2020 08:02	07/16/2020 14:59	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*56.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*81.0 %*	*30-140*

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A/1311	07/14/2020 16:04	07/15/2020 18:59	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A/1311	07/14/2020 16:04	07/15/2020 18:59	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: **Staged Soil II** **York Sample ID:** **20G0369-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20G0369	74 Griff Court South Fallsburg, NY	Soil	July 8, 2020 1:38 pm	07/10/2020

Herbicides, TCLP Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3535A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*61.8 %*			*10-150*					

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	**7010**		mg/kg dry	11.4	1	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	07/14/2020 07:58	07/15/2020 00:26	CM
	Surrogate Recoveries	**Result**		**Acceptance Range**						
638-68-6	*Surrogate: Triacontane*	*76.5 %*		*30-150*						

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	**1820**	B	mg/kg dry	17.3	100	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	07/14/2020 16:01	07/15/2020 01:24	SS
	Surrogate Recoveries	**Result**		**Acceptance Range**						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*186 %*	S-08	*70-130*						

Metals, TCLP RCRA

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.375	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:03	KML
7440-39-3	Barium	ND		mg/L	0.625	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:03	KML
7440-43-9	Cadmium	ND		mg/L	0.075	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:03	KML
7440-47-3	Chromium	ND		mg/L	0.125	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:03	KML
7439-92-1	**Lead**	**0.164**		mg/L	0.125	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:03	KML
7782-49-2	Selenium	ND		mg/L	0.625	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:03	KML
7440-22-4	Silver	ND		mg/L	0.125	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/14/2020 12:03	07/15/2020 16:03	KML

Sample Information

Client Sample ID: Staged Soil II **York Sample ID:** 20G0369-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20G0369	74 Griff Court South Fallsburg, NY	Soil	July 8, 2020 1:38 pm	07/10/2020

Mercury TCLP by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.000200	1	EPA 7473/1311	07/14/2020 11:40	07/14/2020 14:35	SY
							Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854			

Ignitability

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Ignitability	Non-Ignit.		None	1	1	EPA 1030P	07/13/2020 09:16	07/13/2020 09:29	TAJ
							Certifications:			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**87.1**		%	0.100	1	SM 2540G	07/13/2020 08:05	07/13/2020 16:20	WJM
							Certifications: CTDOH			

TCLP Extraction for METALS EPA 1311

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	07/13/2020 14:57	07/14/2020 11:38	TAJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP extr. for SVOA/PEST/HERBS

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	07/13/2020 14:53	07/14/2020 11:35	TAJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311	07/13/2020 14:59	07/14/2020 11:43	TAJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: **Staged Soil I + II** **York Sample ID:** **20G0369-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20G0369	74 Griff Court South Fallsburg, NY	Soil	July 8, 2020 1:52 pm	07/10/2020

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**150000**		ug/kg dry	5000	10000	2000	EPA 8260C Certifications:	07/15/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/15/2020 15:31	SS
108-67-8	**1,3,5-Trimethylbenzene**	**9400**		ug/kg dry	250	500	100	EPA 8260C Certifications:	07/14/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 13:54	SS
71-43-2	**Benzene**	**810**		ug/kg dry	250	500	100	EPA 8260C Certifications:	07/14/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 13:54	SS
100-41-4	**Ethyl Benzene**	**21000**		ug/kg dry	250	500	100	EPA 8260C Certifications:	07/14/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 13:54	SS
98-82-8	**Isopropylbenzene**	**3300**		ug/kg dry	250	500	100	EPA 8260C Certifications:	07/14/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 13:54	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	250	500	100	EPA 8260C Certifications:	07/14/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 13:54	SS
91-20-3	**Naphthalene**	**25000**		ug/kg dry	250	1000	100	EPA 8260C Certifications:	07/14/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PAL	07/14/2020 13:54	SS
104-51-8	**n-Butylbenzene**	**6800**		ug/kg dry	250	500	100	EPA 8260C Certifications:	07/14/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 13:54	SS
103-65-1	**n-Propylbenzene**	**12000**		ug/kg dry	250	500	100	EPA 8260C Certifications:	07/14/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 13:54	SS
95-47-6	**o-Xylene**	**1300**		ug/kg dry	250	500	100	EPA 8260C Certifications:	07/14/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/14/2020 13:54	SS
179601-23-1	**p- & m- Xylenes**	**16000**		ug/kg dry	250	500	100	EPA 8260C Certifications:	07/14/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PA	07/14/2020 13:54	SS
99-87-6	**p-Isopropyltoluene**	**3000**		ug/kg dry	250	500	100	EPA 8260C Certifications:	07/14/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 13:54	SS
135-98-8	**sec-Butylbenzene**	**3400**		ug/kg dry	250	500	100	EPA 8260C Certifications:	07/14/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 13:54	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	250	500	100	EPA 8260C Certifications:	07/14/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 13:54	SS
108-88-3	**Toluene**	**370**	J	ug/kg dry	250	500	100	EPA 8260C Certifications:	07/14/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 13:54	SS
1330-20-7	**Xylenes, Total**	**17000**		ug/kg dry	250	500	100	EPA 8260C Certifications:	07/14/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	07/14/2020 13:54	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*93.8 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*110 %*	*76-130*

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **Staged Soil I + II** **York Sample ID:** **20G0369-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20G0369	74 Griff Court South Fallsburg, NY	Soil	July 8, 2020 1:52 pm	07/10/2020

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**1100**		ug/kg dry	46	92	2	EPA 8270D Certifications:	07/15/2020 08:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 20:31	KH
208-96-8	**Acenaphthylene**	**410**		ug/kg dry	46	92	2	EPA 8270D Certifications:	07/15/2020 08:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 20:31	KH
120-12-7	**Anthracene**	**630**		ug/kg dry	46	92	2	EPA 8270D Certifications:	07/15/2020 08:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 20:31	KH
56-55-3	**Benzo(a)anthracene**	**67**	J	ug/kg dry	46	92	2	EPA 8270D Certifications:	07/15/2020 08:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 20:31	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications:	07/15/2020 08:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 20:31	KH
205-99-2	**Benzo(b)fluoranthene**	**63**	J	ug/kg dry	46	92	2	EPA 8270D Certifications:	07/15/2020 08:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 20:31	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications:	07/15/2020 08:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 20:31	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications:	07/15/2020 08:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 20:31	KH
218-01-9	**Chrysene**	**85**	J	ug/kg dry	46	92	2	EPA 8270D Certifications:	07/15/2020 08:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 20:31	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications:	07/15/2020 08:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 20:31	KH
206-44-0	**Fluoranthene**	**320**		ug/kg dry	46	92	2	EPA 8270D Certifications:	07/15/2020 08:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 20:31	KH
86-73-7	**Fluorene**	**2200**		ug/kg dry	46	92	2	EPA 8270D Certifications:	07/15/2020 08:10 NELAC-NY10854,NJDEP,PADEP	07/15/2020 20:31	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46	92	2	EPA 8270D Certifications:	07/15/2020 08:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 20:31	KH
91-20-3	**Naphthalene**	**4300**		ug/kg dry	120	230	5	EPA 8270D Certifications:	07/15/2020 08:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 09:53	KH
85-01-8	**Phenanthrene**	**4000**		ug/kg dry	120	230	5	EPA 8270D Certifications:	07/15/2020 08:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	07/16/2020 09:53	KH
129-00-0	**Pyrene**	**410**		ug/kg dry	46	92	2	EPA 8270D Certifications:	07/15/2020 08:10 CTDOH,NELAC-NY10854,NJDEP,PADEP	07/15/2020 20:31	KH

	Surrogate Recoveries	Result		Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*215 %*	S-08	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*62.1 %*		*21-113*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*66.6 %*		*24-116*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.0**		%	0.100	1	SM 2540G Certifications:	07/13/2020 08:05 CTDOH	07/13/2020 16:20	WJM

Sample Information

Client Sample ID: **Staged Soil I + II** **York Sample ID:** **20G0369-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20G0369	74 Griff Court South Fallsburg, NY	Soil	July 8, 2020 1:52 pm	07/10/2020

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20G0369-01	Staged Soil I	40mL 01_Clear Vial Cool to 4° C
20G0369-01	Staged Soil I	40mL Vial with Stir Bar-Cool 4° C
20G0369-02	Staged Soil II	40mL 01_Clear Vial Cool to 4° C
20G0369-02	Staged Soil II	40mL Vial with Stir Bar-Cool 4° C
20G0369-03	Staged Soil I + II	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
IGN-01	Non-Ignit.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
EXT-COMP	Completed
CCV-L	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased low.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615 | 132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 20G0369

YOUR Information	Report To:	Invoice To:
Company: DT Consulting Services Inc	Company: Same	Company: Same
Address:	Address:	Address:
Phone.:	Phone.:	Phone.:
Contact: Deborah Thompson	Contact:	Contact:
E-mail:	E-mail:	E-mail:

YOUR Project Number:

YOUR Project Name: 74 Griff Court South Fallsburg, NY

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Deborah Thompson

Samples Collected by: (print your name above and sign below)

Deborah Thompson

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York ✓
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)

Summary Report ✓ | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | | NJDEP SRP HazSite
NJDKQP | Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
Staged Soil I	S	7/8/20 1240 PM	FULL TCLP, total PCBS, TPH DRO/GRO ignitability	(4) 40ml (4) 4oz
Staged Soil II	S	1338 PM	↓ Same	(4) 40ml (4) 4oz
Staged Soil I & II	S	1452 PM	8260 C (CP-51) 8270 C (CP-51)	(4) 40ml (1) 4oz

Comments:

Preservation: (check all that apply)

HCl ___ MeOH ✓ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction

Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Deborah Thompson	7/10/20 1130	Chris C	7-10-20 1130	Chris C	7-10-20 1435
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				KBlocker	7/10/20 1435 / 2.1 Degrees C

DT CONSULTING SERVICES, INC.

ATTACHMENT B

State of New York
County of Broome Government Offices

Department of Public Works-Division of Solid Waste Management
Jason T. Garnar, County Executive · Debra A. Smith, Director

March 7, 2022

GTR Trucking
51 Wildrick Road
Wallkill, NY 12589

RE: CONTAMINATED SOIL (CS)
NYS DEC SPILL REPORT # 1900538

Dear Sir:

This letter authorizes you to dispose of contaminated soil at the Broome County Landfill (BCL). This approval is based on the above NYS DEC Spill Report. The contaminated soil originates from the following location: **74 GRIFF COURT, SOUTH FALLSBURG, NY, SULLIVAN COUNTY.**

THE TIPPING FEE WILL BE ON A CASH / CHECK ONLY BASIS, TO BE PAID AT THE TIME OF DISPOSAL.

You must bring a copy of this approval letter with each load, along with a waste manifest that has been filled out using the template provided by the BCL. Bring **2 copies** of the manifest if you need one for your records. A current copy of your Part 364 Industrial Waste Transporter permit is required to be on file at the Landfill office. The charge for bringing contaminated soil into the landfill will be at the current tip fee of $27.00 per ton.

If you have any questions or questions regarding Part 364 permits, landfill user's permits and payment option may be directed to (607) 763-4036.

Sincerely,

CPChalachan

Carolyn P Chalachan
Landfill Clerk

CPC

cc: BC Director Environmental Health
Lois Dilworth, Nanticoke Landfill CAC Chairman
Supervisor, Town of Nanticoke
Richard Hand, BCL Supervisor

DT CONSULTING SERVICES, INC.

ATTACHMENT C

Environmental Services Health & Safety Plan

Job Name: LL Fuel Storage LLC

1.0 INTRODUCTION

DT Consulting Services, Inc. (DTCS) has designed a safety and health program to provide its employees and subcontractors with the guidelines necessary to ensure their own safety and health as well as that of the surrounding community. The goal of this plan is to minimize the risk of injury during loading of petroleum contaminated soils for proper off-Site disposal.

2.0 ORGANIZATIONAL STRUCTURE

2.1 SAFETY AND HEALTH MANAGER

It is the responsibility of the safety and health manager to develop the comprehensive safety and health plan. The safety and health manager will be appraised of any changes in the comprehensive safety and health plan as well as all Site-specific procedural determinations. The safety and health manager for this project will be Ms. Deborah Thompson.

2.1.1 RESPONSIBILITIES

a) Initial Site evaluation
b) Hazard identification
c) Determination of appropriate protection levels
d) Conduct daily safety and health meetings
e) Supervision of Site sampling and monitoring
f) Supervision of decontamination procedures
g) Designate work zones to maintain Site integrity

3.0 PERSONAL PROTECTIVE EQUIPMENT

The proper personal protective equipment is chosen by the Site safety and health officer in consultation with the safety and health manager. The level of protection is dependent on the hazards that are likely to be encountered on-Site.

3.1 PROTECTION LEVELS

DTCS utilizes four levels of protection as set forth in the OSHA guidelines, Appendix B of 1910.120.

3.1.1 Level A

Level A provides the greatest level of skin, respiratory, and eye protection with the following minimum equipment:

- Full face, self-contained breathing apparatus (SCBA) or supplied air with escape SCBA
- Fully encapsulated chemical resistant suit
- Chemical resistant boots
- Chemical resistant inner and outer gloves

3.1.2 Level B

Level B provides the greatest level of respiratory protection, but a lower level of skin protection than Level A with the following minimum equipment:

- Full face SCBA or supplied air with escape SCBA
- Chemical resistant clothing
- Chemical resistant inner and out gloves
- Chemical resistant boots

3.1.3 Level C

Level C provides the same level of skin protection as Level B, but a lower level of respiratory protection with the following minimum equipment:

- Full face piece air purifying respirator with appropriate cartridge. Cartridges are chosen based on knowledge of hazardous material
- Chemical resistant clothing
- Chemical resistant inner and outer gloves
- Chemical resistant boots

3.1.4 Level D

Level D provides the lowest level of skin protection and no respiratory protection with the following minimum equipment:

- Coveralls
- Safety boots
- Gloves
- Safety glasses or splash goggles

4.0 WORK ZONES

DTCS utilizes the standard three-zone approach to Site control. These zones are the exclusion zone, the contamination reduction zone and the support zone. Movement of personnel and equipment through these zones shall be strictly regulated in order to prevent contamination of clean environments and to protect workers in the support zone from possible exposure.

4.1 EXCLUSION ZONE

The exclusion zone is the area of highest contamination. All personnel entering this zone must wear the appropriate level of protection as prescribed in the Site specific safety plan. The outer boundary of the exclusion zone, referred to as the Hotline, shall be determined based upon such considerations as; extent of surface contamination, safe distance in the case of fire or explosion, physical area necessary for workers to conduct operations in a safe manner and safe distance in the event of vapor or gas emissions. Upon determination, the Hotline shall be visibly marked and secured to prevent accidental entry by unauthorized personnel.

4.2 CONTAMINATION REDUCTION ZONE

The Contamination Reduction Zone is the area between the exclusion zone and the support zone. Its purpose it to protect the clean environment from contamination as workers enter and exit the exclusion zone. The outer boundary of this zone is referred to as the Coldline and shall be clearly marked. Decontamination stations shall be set up in this zone in a line known as the contamination reduction corridor. All personnel exiting the exclusion zone must follow the steps as prescribed in the decontamination procedures prior to re-entering the support zone.

4.3 SUPPORT ZONE

The support zone is the area furthest away from the exclusion zone. It is considered a clean, non-contaminated area where workers need not wear any protective equipment. The command post, equipment trailer, first aid station and lavatory facilities are all located in this area. This area is not, however, open to traffic. Only authorized personnel may enter.

5.0 AIR MONITORING

As the initial Site evaluation work plan entails Site intrusive activities which include earth moving with heavy machinery, a Community Air Monitoring Plan or CAMP has been generated and will be utilized during this phase of Site work. Refer to the CAMP for further details on planned air monitoring activities.

6.0 SITE COMMUNICATIONS

Various methods of communication will be employed based upon Site conditions and work zones. Regardless of method of communication, personnel working in the exclusion zone will remain within constant view of support crews.

DTCS has a network of devices to aid in communications. All or some of the following devices may be used depending upon job Site requirements; hand held radios, headset transistor walkie-talkies and cellular telephones.

The following hand signals shall be standardized for use in emergencies and in event of radio communication breakdown.

Hand gripping throat - out of air, can't breathe
Grip partner's wrist - leave area immediately
Hands on top of head - need assistance
Thumbs up - I am all right, okay
Thumbs down - no, negative

Horn blasts may be used to gain the immediate attention of crews to indicate that dangerous conditions exist.

7.0 EMERGENCY PROCEDURES

The following procedures shall be followed by all Site personnel in the event of an emergency. Any changes to this procedure shall be noted in the Site-specific plan. In all situations where there has been an evacuation of exclusion zone, reentry shall not be permitted until the following conditions have been met; the cause of the emergency has been determined and corrected, the Site hazards have been reassessed, the safety plan has been reviewed and all personnel have been apprised of any changes.

7.1 INJURY IN THE EXCLUSION ZONE

In the event of an injury in the exclusion zone, the emergency signal shall be sounded. All personnel in the exclusion zone will assemble at the contamination reduction corridor. First aid procedures will begin on-Site and if necessary, an ambulance will be called. No personnel will be allowed to re-enter the exclusion zone until the exact nature and cause of the injury has been determined.

7.2 INJURY IN THE SUPPORT ZONE

In the event of an injury in the support zone, on-Site first aid procedures will begin immediately and an ambulance called if necessary. The Site safety and health officer shall determine if the nature and cause of the injury or loss of the injured person will jeopardize the smooth running of the operations. If so, the emergency signal will be sounded and all personnel will follow the same procedure as outline above.

7.3 FIRE OR EXPLOSION

In the event of fire or explosion, the emergency signal shall be sounded and all personnel will assemble at the contamination reduction corridor. The fire department will be called and all personnel will be evacuated to a safe distance.

7.4 PROTECTIVE EQUIPMENT FAILURE

In the vent of protective equipment failure, the affected worker and his/her buddy will leave the exclusion zone immediately. In the event of any other equipment failure, the Site safety and health officer will determine if this failure affects the operation. If so, the emergency signal will be sounded and all personnel will leave the exclusion zone until such time as it is deemed safe.

8.0 STANDARD SAFETY PRACTICES

The following guidelines will be followed by all personnel at all times; any changes must be approved by the safety and health manager.

- All employees will attend the daily safety meetings prior to Site entry.

- The buddy system will be utilized at all times.

- There will be no eating, drinking, smoking, or use of smoking material (i.e. matches) within the work area(s).

- Only authorized personnel will be allowed in designated work zones and will wear the proper personal protective clothing and equipment as prescribed in the Site safety plan.

- The Site safety and health officer will be appraised of any unusual circumstances immediately.

Such circumstances include but are not limited to the following; unusual odors, emissions, signs of chemical reaction, and discovery of conditions or substances not mentioned in the Site safety plan. The Site safety officer will then determine if these conditions warrant a shut down of operations.

9.0 DAILY SAFETY MEETINGS

Daily safety meetings will be conducted by the Site safety and health officer prior to commencement of work. All personnel, regardless of job classification are required to attend.

9.1 DISCUSSIONS

1. Overview of safety and health plan.

2. Detailed discussion of substances of concern with emphasis on exposure limits, exposure symptoms and exposure hazards.

3. Review of standard safety precautions and work practices.

4. Review of work plan.

5. Review of hand signals and emergency signals.

Personnel will sign a daily attendance sheet, which shall include an overview of the topics discussed.

10.0 SITE SPECIFIC PLAN

10.1 DETAILED SITE INFORMATION

- **Plan Date** TBA
- **Job Name** LL Fuel Storage LLC
- **Client** LL Fuel Storage LLC
- **Client Contact/Phone No.** Ken Davenport – (845) 656-4600
- **Site Address** LL Fuel Storage LLC
Laurel Avenue & Griff Court
South Fallsburg, New York 12779
- **Cross Street** Railroad Plaza Ext.
- **Site Access** Direct

10.2 CONTAMINANTS ON SITE/ACTION LEVELS

The following substances are known or suspected to be on Site, primarily in Site wastes. The primary hazards of each are identified, associated primarily with direct skin contact and inhalation.

SUBSTANCE	**PRIMARY HAZARDS**
Volatile Organics	
Benzene Toluene Ethylbenzene Xylenes (BTEX)	Eye, skin and respiratory irritation. Nausea, vomiting, headache

Action Levels

Action levels shall be determined by monitoring of work zone breathing space with a portable Photoionization detector (PID) or comparable instrument. Measurement of a sustained concentration above ambient (background) conditions shall initiate action. The following criteria shall be used to determine appropriate action:

VOCs in Breathing Zone (sustained and above background)	Level of Respiratory Protection
0 – 25 ppm	Level D
25 – 200 ppm	Level C
200 – 1000 ppm	Level B - air line
1000+ ppm	Level A - SCBA

If the above criteria indicate the need to increase from Level D to a higher level of personal protection, all work in that particular Site area will be immediately suspended until the required protective equipment is make available, or until Level D conditions return.

10.3 EMERGENCY INFORMATION

10.3.1 EMERGENCY RESPONDERS

10.3.1.1 HOSPITAL

Name: Catskill Regional Medical Center

Address & Telephone Number:
38 Concord Road, Monticello, NY 12701
(845) 333-6500

Distance from Site: 3.5 Miles

10.3.1.2 EMERGENCY TELEPHONE NUMBERS

Police 911 on Cellular Phone
Fire 911 on Cellular Phone
Ambulance 911 on Cellular Phone

10.3.1.3 REGULATORY AGENCIES

EPA Telephone Number 1-800-424-8802

NYSDEC Spills Hotline 1-800-457-7362

10.4 FIRST AID

First Aid available at the following stations:

First Aid Kit TRUCK
Emergency Eye Wash TRUCK & ON SITE

10.5 WORK ZONES

10.5.1 COMMAND POST

Command post will be mobile.

10.6 SITE COMMUNICATIONS

10.6.1 TELEPHONE

Command Post Telephone - Cellular Phone
Number (845)943-0159

10.6.2 HAND SIGNALS

See Section 6.0

10.7 ENVIRONMENTAL MONITORING

10.7.1 MONITORING EQUIPMENT

Refer to CAMP

10.8 PERSONAL PROTECTIVE EQUIPMENT

10.8.1 EXCLUSION ZONE, PROTECTION LEVEL

PROTECTIVE EQUIPMENT:	Level D
RESPIRATORY	None
HANDS	Nitrile or Leather
FEET	Steel Toed Boots
SUIT	None

10.8.2 CONTAMINATION REDUCTION CORRIDOR (DECON LINE)

PROTECTIVE EQUIPMENT:	Level D
RESPIRATORY	None
HANDS	Nitrile or Leather
FEET	Steel Toed
SUIT	None

10.9 DECONTAMINATION

10.9.1 DECONTAMINATION PROCEDURE

STATION 1 SOAPY WATER

STATION 2 WATER

11.0 KEY PERSONNEL

SAFETY AND HEALTH MANAGER / ON-SITE SUPERVISOR
Deborah J. Thompson

FOREMEN
TBA

FIELD PERSONNEL
Will Vary

12.0 WORK PLAN

12.1 JOB OBJECTIVE

The objective is to load, transport and dispose of previously generated petroleum contaminated soil currently staged on-Site.

DT CONSULTING SERVICES, INC.

ATTACHMENT D

DT CONSULTING SERVICES, INC.

Community Air Monitoring Plan

Job Name/Site Number: LL Fuel Storage, LLC / C353017

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1.0 INTRODUCTION

This Community Air Monitoring Plan (CAMP) has been prepared by DT Consulting Services, Inc. (DTCS) to support the implementation of petroleum contaminated soil (PCS) loading, transportation and disposal for the Subject Property located at Laurel Avenue & Griff Court, South Fallsburg, Sullivan County, New York. A Site Plan is provided as Figure 1. Details related to the planned PCS disposal activities are presented in the PCS Disposal Work Plan, to which this CAMP is included as an attachment and as a supporting plan. This CAMP fulfills the routine monitoring requirements provided in the New York State Department of Environmental Conservation (NYSDEC) document entitled Division of Environmental Remediation *Technical Guidance for Site Investigation and Remediation* (DER-10) issued on May 3, 2010 (NYSDEC 2010). Appendix 1A of DER-10 (included in Attachment A) provides general guidance and protocols for the preparation and implementation of a CAMP. Appendix 1B of DER- 10 (included in Attachment A) supplements the contents of Appendix 1A of DER-10 and provides additional requirements for fugitive dust/particulate monitoring. This CAMP identifies the required air monitoring to protect the community during the implementation of proposed investigative activities.

1.1 CAMP Objectives

The overall objective of the CAMP is to establish requirements for protection measures for downwind receptors from potential airborne releases of constituents of concern during intrusive and/or potential dust generating Site activities. As summarized in the PCS Disposal Work Plan, laboratory analysis indicates that constituents of concern at the Site include volatile organic compounds (VOCs). This CAMP identifies potential air emissions, and describes air monitoring procedures, the monitoring schedule, data collection, and reporting requirements for the PCS disposal actions to be completed by DTCS. DTCS will implement this CAMP and will provide all labor, materials, and equipment necessary to implement the monitoring program specified in this CAMP.

1.2 Revisions to the CAMP

Any changes to the scope or procedures in this CAMP will be formally documented as a revision to this document. A revision number will be indicated on the front page of any revised document and will serve as a historical record of any and all revisions made to the document.

For changes requiring immediate resolution during the implementation of this CAMP, approval will be secured from the NYSDEC and, if applicable, the Responsible Party.

1.3 Potential Air Emissions Related to Investigative Activities

Earth moving activities have the potential to generate localized impacts to air quality. Investigative components that are considered intrusive for the purposes of this CAMP and that have the potential to generate air emissions are anticipated to include, but may not be limited to the following:

- ✓ Loading of PCS.

2.0 COMMUNITY AIR MONITORING PLAN

Real-time air monitoring for VOCs and particulate levels will be performed at representative locations, upwind and downwind during Site investigative activities. Furthermore, continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, the loading of PCS material. In addition, during work hours, hourly or more frequent monitoring for Site-related odors at the perimeter of the work area will be performed.

Exceedances of action levels observed during performance of the CAMP will be reported to the DEC Project Manager and included in the Daily Report.

2.1 Selection of Monitoring Locations

Upwind and downwind monitoring station locations for VOCs and PM_{10} will be determined daily based on data from published information (predictions of prevailing and predominant wind direction) for the Site and the nature and location of the anticipated construction activities.

An upwind location (station "UPW") for both VOCs and PM_{10} will be confirmed at the start of each workday, based upon the use of the meteorological data and the location of the proposed construction activities. A downwind location (station "DWN 1") (based upon prevalent wind direction) for both VOCs and PM_{10} will also be selected. If wind directions shift radically during the workday and for an extended

period such that the upwind direction and downwind locations no longer fall within acceptable guidelines (+-60 degrees compass change from the original wind direction), the monitoring stations will be relocated so that the upwind and downwind locations are maintained. Any changes will be documented in the CAMP reports.

2.2 VOC Monitoring

VOCs will be monitored continuously during the intrusive and/or potential dust-generating investigative activities with instrumentation equipped with electronic data-logging capabilities. A real-time VOC monitor (RAE MultiRae 3000 or equivalent) equipped with a Photoionization Detector (PID) will be used for monitoring. All 15-minute average concentrations, as well as any instantaneous readings taken to facilitate activity decisions, will be recorded, stored on-Site and summarized in a CAMP report.

2.3 Total Particulates Monitoring

Total particulates will also be monitored continuously during intrusive and/or potential dust- generating loading activities using instrumentation equipped with electronic data-logging capabilities. The particulate monitoring equipment will also be equipped with an audible alarm to indicate exceedances of the action levels identified below in Section 2.5. A TSI DustTrak II 8530 (or equivalent) will be used to conduct the real-time PM_{10} monitoring during the planned soil disposal activities. All 15-minute average concentrations, as well as any instantaneous readings taken to facilitate activity decisions, will be recorded and summarized in a CAMP report. Fugitive dust migration will be visually assessed during all work activities, and reasonable dust suppression techniques will be used during any activity that may generate fugitive dust.

2.4 Periodic Monitoring for Odors

During work hours, hourly or more frequent walks around the perimeter of the work area will be performed to qualitatively monitor for the presence and intensity of Site-related odors. Perimeter checks will be performed more frequently, as necessary, depending on the nature and location of work being performed. If odors are noted at the perimeter of the work area, work will continue and odor, vapor, and dust controls will be employed to abate emissions. Additionally, construction techniques will be evaluated and modified, if necessary and appropriate, and more frequent checks of the perimeter of the work area will be performed. If odors persist at the perimeter of the work area at an unacceptable intensity, work will be stopped while activities are re-evaluated. The source or cause of the odors will be identified and additional odor,

vapor, and dust controls will be employed. Work will resume provided that the controls are successful in mitigating the intensity of odors at the perimeter of the work area.

2.5 Action Levels

The action levels provided below are to be used to initiate corrective actions, if necessary, based upon the real-time monitoring. If the action levels are exceeded at the perimeter locations for VOCs or PM_{10}, work will be suspended and engineering controls will be implemented to bring concentrations back down to acceptable levels. Each piece of monitoring equipment will have alarm capabilities (audible and/or visual) to indicate exceedances of the action levels specified below. All readings will be recorded and available review.

Action Levels for Organic Vapors

If the ambient air concentration of total VOCs at the downwind perimeter of the work area, Exclusion Zone, or opposite the nearest occupied building exceeds 5 parts per million (ppm) above the background (upwind) concentration for the 15-minute average, work activities will be temporarily halted while monitoring continues. If total VOC concentration readily decreases (through observation of instantaneous readings) below 5 ppm above the background concentration, work activities will resume with continued monitoring.

If the ambient air concentration of total VOCs at the downwind perimeter of the work area, Exclusion Zone, or opposite the nearest occupied building persists at levels in excess of 5 ppm but less than 25 ppm above the background (upwind) concentration: (1) work activities will be halted; (2) the source of the elevated total VOC concentration will be identified; (3) corrective actions will be implemented to reduce or abate the emissions; and (4) air monitoring will be continued. Once these activities have been implemented, work activities will resume provided the following two conditions are met:

- The 15-minute average VOC concentrations remain below 5 ppm above background (upwind); and

- The total VOC concentration 200 feet downwind of the work area/Exclusion Zone or half the distance to the nearest potential

receptor or residential/commercial structure whichever is less but in no case less than 20 feet) is below 5 ppm over the background (upwind) concentration for the 15-minute average.

If the ambient air concentration of total VOCs at the downwind perimeter of the work area, Exclusion Zone, or opposite the nearest occupied building exceeds 25 ppm above the background (upwind) concentration, work activities will stop, and corrective actions will be implemented to reduce or abate the emissions. When work shutdown occurs, as directed by the Environmental Monitor, corrective actions will be implemented to ensure that vapor emission does not impact the nearest occupied structure at levels exceeding the action levels specified herein. If following work shutdown, or as the result of an emergency, VOC concentrations persist above 5 ppm above background (upwind) 200 feet downwind (or half the distance to the nearest occupied structure), then air quality must be monitored within 20 feet of the perimeter of the nearest residential or commercial structure (20-foot zone).

Action Levels for PM_{10}

If the ambient air concentration of PM_{10} at the downwind perimeter of the work area or nearest occupied building exceeds 100 micrograms per cubic meter (µg/m³) above the background (upwind) concentration, or if airborne dust is observed leaving the work area, dust suppression techniques will be employed. Work will continue with dust suppression techniques provided the downwind PM_{10} concentration does not exceed 150 µg/m³ above the background (upwind) concentration. If, after implementation of dust suppression techniques, the downwind PM_{10} concentration is greater than 150 µg/m³ above the background (upwind) concentration, work will be stopped while activities are re-evaluated. Work will resume provided the dust suppression techniques and other controls are successful in: (1) reducing the downwind PM_{10} concentration to less than 150 µg/m³ above the background (upwind) concentration; and (2) preventing visible dust from leaving the work area.

2.6 Instrument Calibration

Calibration of the VOC and PM_{10}, instrumentation will be conducted in accordance with each of the equipment manufacturer's calibration and quality assurance requirements. The VOC and PM_{10} monitoring equipment will be calibrated or zeroed,

respectively, daily (at a minimum), and such calibrations will be recorded in the field logbook.

3.0 MONITORING SCHEDULE/DATA COLLECTION/REPORTING

The following identifies the monitoring schedule and data collection/reporting requirements.

3.1 Monitoring Schedule

Community air monitoring will be conducted prior to initiating PCS loading activities to establish adequate baseline data and until such time that intrusive and/or potential dust generating activities are complete. The frequency of community air monitoring will be relative to the level of Site work activities being conducted and may be adjusted as the work proceeds and in consideration of the monitoring results. Air monitoring for VOCs and dust may be discontinued during periods of heavy precipitation that would otherwise result in unreliable data or damage to monitoring equipment.

3.2 Data Collection and Reporting

Community air monitoring data will be collected continuously from VOC and PM_{10} monitors during all intrusive and/or potential dust-generating activities by the electronic data-logging systems, except as discussed above in Section 3.1. The data management software will be set up to continuously monitor instantaneous readings and record average concentrations (calculated for continuous 15-minute increments: i.e., 08:00 to 08:15, 08:15 to 08:30, etc.). Results of the perimeter/community air monitoring for total organic vapors and particulates (both instantaneous readings and 15- minute average concentrations) will be recorded by the monitoring instruments (data loggers).

The Environmental Monitor will prepare a CAMP reports that will include, but not be limited to, the following:

- A brief memorandum summarizing the air monitoring work activities and results for the monitoring period. A summary of the qualitative perimeter monitoring for the presence and intensity of Site-related odors will also be included. The memorandum will be supported by two attachments: (1) Attachment A showing air monitoring station daily

locations; and (2) Attachment B presenting graphs of the 15-minute time-weighted average VOC and particulate concentrations recorded at each of the sampling stations (one graph for each station showing the results relative to action levels).

In the event that an exceedance of a community air monitoring action level (for either PM_{10} or VOCs), the Environmental Monitor will notify DEC (via telephone) as soon as possible (i.e., real time). Within 24 hours of the observed exceedance, the Environmental Monitor will send a follow-up e-mail to DEC's representative, and the Responsible Party summarizing the data, the cause of the exceedance, and any corrective measures implemented (or to be implemented) as a result of the exceedance. The information will also be documented in the CAMP report.

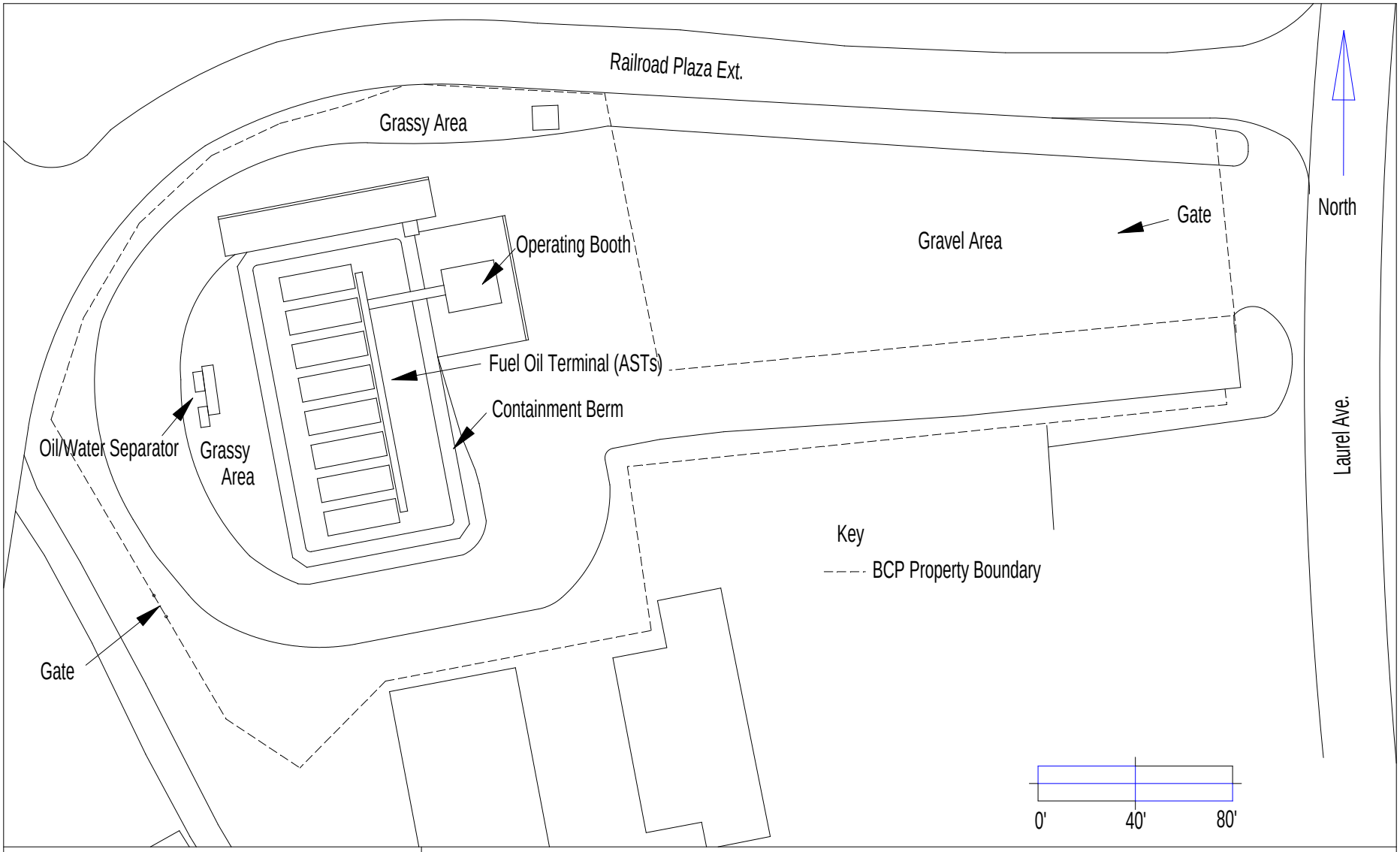
Odor complaints received from the public will be evaluated and verified based on the following:

- Date and time of complaint;
- Location and nature of work activities being performed at the Site;
- Location and nature of non-project-related work activities being performed in the surrounding community; and
- Prevailing wind direction and other local meteorological conditions.

Regardless of the outcome of this evaluation, all associated parties will be notified of odor complaints within 24 hours. In response to a verified odor complaint, perimeter monitoring will continue and additional odor, vapor, and dust controls will be employed to mitigate Site-related odor emissions. Construction techniques will also be evaluated and modified, if necessary and appropriate.

The time and outcome of each perimeter check will be documented in a daily odor monitoring log, specifically noting the presence or absence of Site-related odors and identifying the intensity and general location(s) along the perimeter of the work area where odors (if any) are noted. The time and outcome of any odor complaints from the public will also be documented in the daily odor monitoring log.

FIGURES



DT Consulting Services, Inc. 1291 Old Post Road Ulster Park, New York 12487 (845) 658-3484	Client: LL Fuel Storage, LLC		
	Location: Laurel Avenue & Griff Court, South Fallsburg, Sullivan County, New York		
	Title: Site (base) Map		
	Scale: Graphic	Drawn By: O.T.	BCP#: C353017	Figure: 1

ATTACHMENTS

DT CONSULTING SERVICES, INC.

ATTACHMENT A

APPENDIX A

NYSDEC DER-10 TECHNICAL GUIDANCE FOR SITE INVESTIGATION AND REMEDIATION (DER-10) MAY 3, 2010.

APPENDIX 1A OF DER-10

Appendix 1A
New York State Department of Health
Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. “Periodic” monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009

APPENDIX 1B OF DER-10

Appendix 1B
Fugitive Dust and Particulate Monitoring

A program for suppressing fugitive dust and particulate matter monitoring at hazardous waste sites is a responsibility on the remedial party performing the work. These procedures must be incorporated into appropriate intrusive work plans. The following fugitive dust suppression and particulate monitoring program should be employed at sites during construction and other intrusive activities which warrant its use:

1. Reasonable fugitive dust suppression techniques must be employed during all site activities which may generate fugitive dust.

2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.

3. Particulate monitoring must be performed using real-time particulate monitors and shall monitor particulate matter less than ten microns (PM10) with the following minimum performance standards:

(a) Objects to be measured: Dust, mists or aerosols;
(b) Measurement Ranges: 0.001 to 400 mg/m3 (1 to 400,000 :ug/m3);
(c) Precision (2-sigma) at constant temperature: +/- 10 :g/m3 for one second averaging; and +/- 1.5 g/m3 for sixty second averaging;
(d) Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);
(e) Resolution: 0.1% of reading or 1g/m3, whichever is larger;
(f) Particle Size Range of Maximum Response: 0.1-10;
(g) Total Number of Data Points in Memory: 10,000;
(h) Logged Data: Each data point with average concentration, time/date and data point number
(i) Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;
(j) Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
(k) Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
(l) Operating Temperature: -10 to 50^{o} C (14 to 122^{o} F);
(m) Particulate levels will be monitored upwind and immediately downwind at the working site and integrated over a period not to exceed 15 minutes.

4. In order to ensure the validity of the fugitive dust measurements performed, there must be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the remedial party to adequately supplement QA/QC Plans to include the following critical features: periodic instrument calibration, operator training, daily instrument performance (span) checks, and a record keeping plan.

5. The action level will be established at 150 ug/m3 (15 minutes average). While conservative,

this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 ug/m3, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 ug/m3 above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see paragraph 7). Should the action level of 150 ug/m3 continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM10 at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed. Activities that have a high dusting potential--such as solidification and treatment involving materials like kiln dust and lime--will require the need for special measures to be considered.

7. The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities:

(a) Applying water on haul roads;
(b) Wetting equipment and excavation faces;
(c) Spraying water on buckets during excavation and dumping;
(d) Hauling materials in properly tarped or watertight containers;
(e) Restricting vehicle speeds to 10 mph;
(f) Covering excavated areas and material after excavation activity ceases; and
(g) Reducing the excavation size and/or number of excavations.

Experience has shown that the chance of exceeding the 150ug/m3 action level is remote when the above-mentioned techniques are used. When techniques involving water application are used, care must be taken not to use excess water, which can result in unacceptably wet conditions. Using atomizing sprays will prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

8. The evaluation of weather conditions is necessary for proper fugitive dust control. When extreme wind conditions make dust control ineffective, as a last resort remedial actions may need to be suspended. There may be situations that require fugitive dust suppression and particulate monitoring requirements with action levels more stringent than those provided above. Under some circumstances, the contaminant concentration and/or toxicity may require additional monitoring to protect site personnel and the public. Additional integrated sampling and chemical analysis of the dust may also be in order. This must be evaluated when a health and safety plan is developed and when appropriate suppression and monitoring requirements are established for protection of health and the environment.