September 19, 2023

Andrew Day
Source Renewables
545 Steamboat Road
Greenwich, CT 06830

RE: Post Subsurface Investigation Report
NYSDEC Site #915047 – Republic Steel (LVT)/Marilla St. Landfill
Steelfields Solar Site
102 Marilla Street
Buffalo, New York
LaBella Project No. 2191567.17

Dear Mr. Day:

LaBella Associates, D.P.C. ("LaBella") completed a Subsurface Investigation (SI) on September 7, 2023, in support of the Steelfields Solar Array project located at 102 Marilla Street in the City of Buffalo, Erie County, New York, hereinafter referred to as the "Site". The SI was performed in general conformance with the scope of work outlined in LaBella's Subsurface Investigation Work Plan, dated August 31, 2023.

INTRODUCTION

The Site is the Former Republic Steel (LTV) and Marilla Street Landfill, which accepted slag, blast furnace dust, oxygen furnace dust, clarifier sludge, precipitator dust, railroad ties, construction and demolition (C&D) waste and waste oils and acids from 1930 until 1981. The Site has been properly closed, capped, and is monitored on an annual basis.

Source Renewables is currently developing a design to construct a solar array on the landfill cap at the Site. As part of this design, National Grid is set to install utility poles at the Site, outside of the landfill cap, as part of interconnection activities. Prior to utility pole installation, Source Renewables must confirm that the landfill waste is not present in the area where the utility pole installation is planned. The goal of this subsurface investigation was to confirm that waste consistent with the old Republic Steel (LTV)/Marilla Street Landfill is not present within the proposed utility pole installation area.

FIELD INVESTIGATION

On September 7, 2023, ten (10) soil borings were advanced along the eastern border of the landfill, between the landfill and the east adjacent railroad track, designated as SB-01 through SB-10. Soil boring locations are depicted on the attached Figure. The soil borings were advanced to depths of 8 feet below the ground surface (ft. bgs). Non-native materials at the Site consisted of topsoil and urban-type fill (sand, gravel, masonry), ranging in depth from 0.2 to 5-ft. bgs in each of the 10 soil borings advanced. Native soils at the Site consisted of brown till plain deposits (clayey silts) at depth ranging from 4 to 8-ft bgs. No bedrock was encountered in any of the borings. Photoionization detector (PID) readings above background [0.0 parts per million (ppm)] were not observed within any of soil borings. No evidence of impairment (i.e., staining, odors, sheen) were observed in any of the other boring locations. Field logs are included in Attachment 1.

COMMUNITY AIR MONITORING PLAN (CAMP)

Community Air Monitoring was conducted during the investigation work as indicated in the Subsurface Investigation Work Plan and in the New York State Department of Environmental Remediation Technical Guidance for Site Investigation and Remediation (DER-10) Appendix 1A New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan (CAMP). No CAMP monitoring action levels were exceeded during the investigation work. The attached Figure indicate the locations of the upwind and downwind dust

track monitors. The dust track data is included in Attachment 2.

CONCLUSIONS & RECOMMENDATIONS

In summary, ten soil borings were advanced along the east boundary of the landfill to investigation potential utility pole locations. No elevated PID readings or evidence of impairment were observed in the soil borings advanced. Based on the findings of this investigation, the area investigated appears free of industrial wastes associated with the landfill.

It is recommended that the utility poles be positioned within the investigation area, and that caution be taken during installation. If the presence of black sand, ash, or construction debris is noted during pole installation, would should be relocated to another area within the investigation area to avoid potentially disturbing historic waste that may be located outside of the apparent landfill footprint.

We appreciate the opportunity to serve your professional environmental engineering needs. If you have any questions, please do not hesitate to contact me.

Sincerely,

Andrew Benkleman
Project Manager
Environmental Engineer

Andrew Koons
Geologist
Environmental Professional

LaBella
Powered by partnership.

FIGURE

1 C002 SITE AND UTILITY PLAN

SCALE: 1" = 120'

VERSION 19.0
6/3/2010 8:47:56 AM

LaBella
Powered by partnership.

300 State Street, Suite 201
Rochester, NY 14614
585-454-6110

labellapc.com

NOT FOR CONSTRUCTION

SOURCE RENEWABLES, LLC

545 STEAMBOAT ROAD
GREENWICH, CT 06830

Source Renewables

STEELFIELDS SOLAR DEVELOPMENT - UNIT A

MARILLA ST.
BUFFALO, NY 14220

NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2191567.17

DRAWN BY:

REVIEWED BY:

ISSUED FOR: REVIEW

DATE: NOVEMBER 2022

DRAWING NAME:

OVERALL SITE PLAN

DRAWING NUMBER:

C002

ATTACHMENT 1

Field Logs

LaBella
Powered by partnership.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Steelfields Subsurface Investigation

BORING: SB - 01
SHEET 1 of 1
JOB: 2191567.17
CHKD BY:
DATE: 9/7/2023

CONTRACTOR: LaBella Env. LLC
DRILLER: K. Terry
LABELLA REPRESENTATIVE: A. Koons

BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE:

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 6620DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	UNIFIED SOIL CLASSIFICATION			
0				0-0.2': Topsoil		
1				0.2-4.0': Dark Brown SAND and GRAVEL with cinders, brick, and concrete		
2	40"	0-5'			0 ppm	wet @ ~ 2.0'
3						
4				4.0-8.0': Olive CLAY with little sand, trace gravel, mottled		
5						
6	20"	5-8'		becomes brown	0 ppm	
7						
8				Boring Terminated at 8.0'		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

LaBella
Powered by partnership.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Steelfields Subsurface Investigation

BORING: SB - 02
SHEET 1 of 1
JOB: 2191567.17
CHKD BY:
DATE: 9/7/2023

CONTRACTOR: LaBella Env. LLC
DRILLER: K. Terry
LABELLA REPRESENTATIVE: A. Koons

BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE:

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 6620DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	UNIFIED SOIL CLASSIFICATION	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				0-1.0': Topsoil		
1				1.0-4.0': Dark Brown SAND and GRAVEL with cinders, brick, and concrete		
2	40"	0-5'			0 ppm	
3						wet @ ~ 3.0'
4				4.0-8.0': Olive CLAY with little sand, trace gravel, mottled		
5						
6	20"	5-8'		becomes brown	0 ppm	
7						
8				Boring Terminated at 8.0'		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

LaBella
Powered by partnership.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Steelfields Subsurface Investigation

BORING: SB - 03
SHEET 1 of 1
JOB: 2191567.17
CHKD BY:
DATE: 9/7/2023

CONTRACTOR: LaBella Env. LLC
DRILLER: K. Terry
LABELLA REPRESENTATIVE: A. Koons

BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE:

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 6620DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	UNIFIED SOIL CLASSIFICATION	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				0-1.0': Topsoil		
1				1.0-4.0': Dark Brown SAND and GRAVEL with cinders, brick, and concrete		
2	30"	0-5'			0 ppm	
3						wet @ ~ 3.0'
4				4.0-8.0': Olive CLAY with little sand, trace gravel, mottled		
5						
6	25"	5-8'		becomes brown	0 ppm	
7						
8				Boring Terminated at 8.0'		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

LaBella
Powered by partnership.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Steelfields Subsurface Investigation

BORING: SB - 04
SHEET 1 of 1
JOB: 2191567.17
CHKD BY:
DATE: 9/7/2023

CONTRACTOR: LaBella Env. LLC
DRILLER: K. Terry
LABELLA REPRESENTATIVE: A. Koons

BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE:

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 6620DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	UNIFIED SOIL CLASSIFICATION	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				0-1.0': Topsoil		
1				1.0-4.5': Dark Brown SAND and GRAVEL with cinders, brick, and concrete		
2	40"	0-5'			0 ppm	
3						wet @ ~ 3.0'
4				4.5-8.0': Olive CLAY with little sand, trace gravel, mottled		
5						
6	25"	5-8'		becomes brown	0 ppm	
7						
8				Boring Terminated at 8.0'		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

LaBella
Powered by partnership.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Steelfields Subsurface Investigation

BORING: SB - 05
SHEET 1 of 1
JOB: 2191567.17
CHKD BY:
DATE: 9/7/2023

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	___ TO ___
DRILLER:	K. Terry	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	A. Koons	START DATE:		WEATHER:	

TYPE OF DRILL RIG: Geoprobe 6620DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	UNIFIED SOIL CLASSIFICATION	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				0-1.0': Topsoil		
1				1.0-5.0': Dark Brown SAND and GRAVEL with cinders, brick, and concrete		
2	35"	0-5'			0 ppm	
3						wet @ ~ 3.0'
4						
5				5.0-8.0': Olive CLAY with little sand, trace gravel, mottled		
6	25"	5-8'		becomes brown	0 ppm	
7						
8				Boring Terminated at 8.0'		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

LaBella
Powered by partnership.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Steelfields Subsurface Investigation

BORING: SB - 06
SHEET 1 of 1
JOB: 2191567.17
CHKD BY:
DATE: 9/7/2023

CONTRACTOR: LaBella Env. LLC
DRILLER: K. Terry
LABELLA REPRESENTATIVE: A. Koons

BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE:

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 6620DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	UNIFIED SOIL CLASSIFICATION	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				0-1.0': Topsoil		
1				1.0-5.0': Dark Brown SAND and GRAVEL with cinders, brick, and concrete		
2	40"	0-5'			0 ppm	
3						wet @ ~ 3.0'
4						
5				5.0-8.0': Olive CLAY with little sand, trace gravel, mottled		
6	30"	5-8'		becomes brown	0 ppm	
7						
8				Boring Terminated at 8.0'		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

LaBella
Powered by partnership.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Steelfields Subsurface Investigation

BORING: SB - 07
SHEET 1 of 1
JOB: 2191567.17
CHKD BY:
DATE: 9/7/2023

CONTRACTOR: LaBella Env. LLC
DRILLER: K. Terry
LABELLA REPRESENTATIVE: A. Koons

BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE:

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 6620DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	UNIFIED SOIL CLASSIFICATION	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0 1 2 3 4	40"	0-5'		0-0.5': Topsoil 0.5-5.0': Dark Brown SAND and GRAVEL with cinders, brick, and concrete	0 ppm	wet @ ~ 3.0'
5 6 7	30"	5-8'		5.0-8.0': Olive CLAY with little sand, trace gravel, mottled becomes brown	0 ppm	
8 9 10 11 12 13 14 15 16 17 18 19 20				Boring Terminated at 8.0'		

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

LaBella
Powered by partnership.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Steelfields Subsurface Investigation

BORING: SB - 08
SHEET 1 of 1
JOB: 2191567.17
CHKD BY:
DATE: 9/7/2023

CONTRACTOR: LaBella Env. LLC
DRILLER: K. Terry
LABELLA REPRESENTATIVE: A. Koons

BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE:

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 6620DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	UNIFIED SOIL CLASSIFICATION	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0 1 2 3 4	30"	0-5'		0-0.5': Topsoil 0.5-5.0': Dark Brown SAND and GRAVEL with cinders, brick, and concrete	0 ppm	wet @ ~ 3.0'
5 6 7	20"	5-8'		5.0-8.0': Olive CLAY with little sand, trace gravel, mottled becomes brown	0 ppm	
8 9 10 11 12 13 14 15 16 17 18 19 20				Boring Terminated at 8.0'		

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

LaBella
Powered by partnership.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Steelfields Subsurface Investigation

BORING: SB - 09
SHEET 1 of 1
JOB: 2191567.17
CHKD BY:
DATE: 9/7/2023

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:		TIME:	___ TO ___
DRILLER:	K. Terry	GROUND SURFACE ELEVATION	NA	DATUM:	NA
LABELLA REPRESENTATIVE:	A. Koons	START DATE:		WEATHER:	

TYPE OF DRILL RIG: Geoprobe 6620DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	UNIFIED SOIL CLASSIFICATION	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0				0-1.0': Topsoil		
1				1.0-4.0': Dark Brown SAND and GRAVEL with cinders, brick, and concrete		
2	25"	0-5'			0 ppm	
3						wet @ ~ 3.0'
4				4.0-8.0': Olive CLAY with little sand, trace gravel, mottled		
5						
6	20"	5-8'		becomes brown	0 ppm	
7						
8				Boring Terminated at 8.0'		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

LaBella
Powered by partnership.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Steelfields Subsurface Investigation

BORING: SB - 10
SHEET 1 of 1
JOB: 2191567.17
CHKD BY:
DATE: 9/7/2023

CONTRACTOR: LaBella Env. LLC
DRILLER: K. Terry
LABELLA REPRESENTATIVE: A. Koons

BORING LOCATION:
GROUND SURFACE ELEVATION NA
START DATE:

TIME: ___ TO ___
DATUM: NA
WEATHER:

TYPE OF DRILL RIG: Geoprobe 6620DT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE: Macrocore
INSIDE DIAMETER: 2"
OTHER:

DEPTH (FEET BGS)	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	UNIFIED SOIL CLASSIFICATION	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0 1 2 3 4	25"	0-5'		0-0.5': Topsoil 0.5-5.0': Dark Brown SAND and GRAVEL with cinders, brick, and concrete	0 ppm	wet @ ~ 3.0'
5 6 7	20"	5-8'		5.0-8.0': Olive CLAY with little sand, trace gravel, mottled becomes brown	0 ppm	
8 9 10 11 12 13 14 15 16 17 18 19 20				Boring Terminated at 8.0'		

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface
NA = Not Applicable

and = 35 - 50%
some = 20 - 35%
little = 10 - 20%
trace = 1 - 10%

C = Coarse
M = Medium
F = Fine
VF = Very Fine

R = Rounded
A = Angular
SR = Subrounded
SA = Subangular

ATTACHMENT 2

Dust Tracker Data

Upwind

Test 003

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/07/2023
Instrument S/N	8530171404	Start Time	08:54:54
		Stop Date	09/07/2023
		Stop Time	11:04:54
		Total Time	0:02:10:00
		Logging Interval	60 seconds

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	09/07/2023	08:55:54	0.010
2	09/07/2023	08:56:54	0.007
3	09/07/2023	08:57:54	0.007
4	09/07/2023	08:58:54	0.008
5	09/07/2023	08:59:54	0.008
6	09/07/2023	09:00:54	0.009
7	09/07/2023	09:01:54	0.009
8	09/07/2023	09:02:54	0.009
9	09/07/2023	09:03:54	0.010
10	09/07/2023	09:04:54	0.010
11	09/07/2023	09:05:54	0.009
12	09/07/2023	09:06:54	0.010
13	09/07/2023	09:07:54	0.010
14	09/07/2023	09:08:54	0.011
15	09/07/2023	09:09:54	0.014
16	09/07/2023	09:10:54	0.016
17	09/07/2023	09:11:54	0.012
18	09/07/2023	09:12:54	0.012
19	09/07/2023	09:13:54	0.012
20	09/07/2023	09:14:54	0.015
21	09/07/2023	09:15:54	0.013
22	09/07/2023	09:16:54	0.012
23	09/07/2023	09:17:54	0.012
24	09/07/2023	09:18:54	0.013
25	09/07/2023	09:19:54	0.014
26	09/07/2023	09:20:54	0.014
27	09/07/2023	09:21:54	0.014
28	09/07/2023	09:22:54	0.015
29	09/07/2023	09:23:54	0.015
30	09/07/2023	09:24:54	0.015
31	09/07/2023	09:25:54	0.014
32	09/07/2023	09:26:54	0.015
33	09/07/2023	09:27:54	0.016
34	09/07/2023	09:28:54	0.016
35	09/07/2023	09:29:54	0.016

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
36	09/07/2023	09:30:54	0.016
37	09/07/2023	09:31:54	0.016
38	09/07/2023	09:32:54	0.017
39	09/07/2023	09:33:54	0.016
40	09/07/2023	09:34:54	0.016
41	09/07/2023	09:35:54	0.016
42	09/07/2023	09:36:54	0.017
43	09/07/2023	09:37:54	0.017
44	09/07/2023	09:38:54	0.018
45	09/07/2023	09:39:54	0.018
46	09/07/2023	09:40:54	0.019
47	09/07/2023	09:41:54	0.019
48	09/07/2023	09:42:54	0.020
49	09/07/2023	09:43:54	0.019
50	09/07/2023	09:44:54	0.020
51	09/07/2023	09:45:54	0.021
52	09/07/2023	09:46:54	0.022
53	09/07/2023	09:47:54	0.021
54	09/07/2023	09:48:54	0.022
55	09/07/2023	09:49:54	0.022
56	09/07/2023	09:50:54	0.022
57	09/07/2023	09:51:54	0.022
58	09/07/2023	09:52:54	0.022
59	09/07/2023	09:53:54	0.022
60	09/07/2023	09:54:54	0.023
61	09/07/2023	09:55:54	0.022
62	09/07/2023	09:56:54	0.022
63	09/07/2023	09:57:54	0.022
64	09/07/2023	09:58:54	0.022
65	09/07/2023	09:59:54	0.022
66	09/07/2023	10:00:54	0.023
67	09/07/2023	10:01:54	0.022
68	09/07/2023	10:02:54	0.022
69	09/07/2023	10:03:54	0.022
70	09/07/2023	10:04:54	0.022
71	09/07/2023	10:05:54	0.022
72	09/07/2023	10:06:54	0.022
73	09/07/2023	10:07:54	0.023
74	09/07/2023	10:08:54	0.022
75	09/07/2023	10:09:54	0.022
76	09/07/2023	10:10:54	0.022
77	09/07/2023	10:11:54	0.022
78	09/07/2023	10:12:54	0.022
79	09/07/2023	10:13:54	0.022
80	09/07/2023	10:14:54	0.022
81	09/07/2023	10:15:54	0.022

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
82	09/07/2023	10:16:54	0.022
83	09/07/2023	10:17:54	0.022
84	09/07/2023	10:18:54	0.022
85	09/07/2023	10:19:54	0.023
86	09/07/2023	10:20:54	0.022
87	09/07/2023	10:21:54	0.023
88	09/07/2023	10:22:54	0.023
89	09/07/2023	10:23:54	0.023
90	09/07/2023	10:24:54	0.023
91	09/07/2023	10:25:54	0.023
92	09/07/2023	10:26:54	0.023
93	09/07/2023	10:27:54	0.023
94	09/07/2023	10:28:54	0.023
95	09/07/2023	10:29:54	0.023
96	09/07/2023	10:30:54	0.023
97	09/07/2023	10:31:54	0.024
98	09/07/2023	10:32:54	0.024
99	09/07/2023	10:33:54	0.024
100	09/07/2023	10:34:54	0.024
101	09/07/2023	10:35:54	0.024
102	09/07/2023	10:36:54	0.024
103	09/07/2023	10:37:54	0.024
104	09/07/2023	10:38:54	0.024
105	09/07/2023	10:39:54	0.024
106	09/07/2023	10:40:54	0.025
107	09/07/2023	10:41:54	0.024
108	09/07/2023	10:42:54	0.024
109	09/07/2023	10:43:54	0.024
110	09/07/2023	10:44:54	0.024
111	09/07/2023	10:45:54	0.023
112	09/07/2023	10:46:54	0.023
113	09/07/2023	10:47:54	0.023
114	09/07/2023	10:48:54	0.024
115	09/07/2023	10:49:54	0.024
116	09/07/2023	10:50:54	0.023
117	09/07/2023	10:51:54	0.024
118	09/07/2023	10:52:54	0.024
119	09/07/2023	10:53:54	0.024
120	09/07/2023	10:54:54	0.024
121	09/07/2023	10:55:54	0.023
122	09/07/2023	10:56:54	0.024
123	09/07/2023	10:57:54	0.023
124	09/07/2023	10:58:54	0.024
125	09/07/2023	10:59:54	0.024
126	09/07/2023	11:00:54	0.024
127	09/07/2023	11:01:54	0.023

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
128	09/07/2023	11:02:54	0.024
129	09/07/2023	11:03:54	0.023
130	09/07/2023	11:04:54	0.024

Downwind

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/07/2023
Instrument S/N	8530164102	Start Time	08:01:18
		Stop Date	09/07/2023
		Stop Time	10:01:18
		Total Time	0:02:00:00
		Logging Interval	900 seconds

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	09/07/2023	08:16:18	0.013
2	09/07/2023	08:31:18	0.016
3	09/07/2023	08:46:18	0.018
4	09/07/2023	09:01:18	0.021
5	09/07/2023	09:16:18	0.021
6	09/07/2023	09:31:18	0.020
7	09/07/2023	09:46:18	0.021
8	09/07/2023	10:01:18	0.021