



**D&B ENGINEERS  
AND  
ARCHITECTS, P.C.**

**DATE:** December 17-18, 2019

**REPORT NO.** 191217

**PAGE NO.** 1 OF 3

**PROJECT NO.** 3150-45M

### DAILY FIELD ACTIVITY REPORT

		WEATHER	TIME	TEMP.	PRECIP.	WIND (MPH)	WIND (DIR)
<b>PROJECT</b>	Townline Road Dump Site	Snow	08:00	28°F	0.0	5-10	SW
<b>LOCATION</b>	Town of Springport, New York		(12/17/19)				
<b>ATTACHMENTS</b>	Well Depth Measurements Table, Groundwater Sampling Record, Soil Sample Field Screening Table, Photo Log	Snow	7:45	26°F	0.0	15-25	WSW
			(12/18/19)				

**SITE CONDITIONS:** The site ground was frozen with light snow covering.

**WORK GOAL FOR DAY:** Site Inspection, Groundwater and Soil Sampling.

#### PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
Gunther Schnorr	D&B	(12/17/19) 08:00	15:30
Skyler Haas	D&B	(12/17/19) 08:00	15:30
Gunther Schnorr	D&B	(12/18/19) 07:45	16:00
Skyler Hass	D&B	(12/18/19) 07:45	16:00

#### EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
Camera	Canon PowerShot SD790 IS	Photoionization Detector	MiniRAE 3000
Water Level Meters	Heron - Dipper T		
Water Quality Meters	Horiba U52-2		
Peristaltic Pumps	Pine Peri-Pump		
Bladder Pumps	QED 1.75 inch		
Posthole Digger			

#### HEALTH & SAFETY:

<b>PPE REQUIRED:</b> Level D	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>HASP? YES</b>
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**SITE SAFETY OFFICER:** Gunther J. Schnorr

**H & S NOTES:** Site work performed in Level D PPE.



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## DAILY FIELD ACTIVITY REPORT

### *DESCRIPTION OF WORK PERFORMED AND OBSERVED*

D&B Engineers and Architects, P.C. (D&B) were on site at the Townline Road Dump site (Site) located in the Town of Springport, New York on December 17, 2019 and December 18, 2019 to conduct the annual Site inspection and fifth quarter long-term groundwater monitoring as outlined in the Site Management Plan (Arcadis, 2016). In addition, the scope of the field activities included collecting soil samples for metals analysis from six locations within the former Drum and Debris areas of the Site where data gaps were identified.

A Site inspection was performed by D&B on December 17, 2019, that included documenting general Site conditions, Site usage, and the visual observation of the monitoring well network. At the time of the inspection the Site was snow covered. No development (buildings or structures) were observed on the Site. Large concrete blocks were staged to the east of the access road near the beginning of the tree line. A bulldozer was parked in the clearing located in the center of the forested area. Adjacent to the bulldozer, piles of tree limbs and logs were observed. One plastic and one metal empty 55-gallon drum (with no markings or labels) were observed in a pile of debris that appeared to be residential refuse.

The wells were inspected immediately prior to the groundwater sampling and were checked for signs of damage to the casing or collar, condition of the well label, any degraded conditions of the lock or cover, any degradation in the weep hole from the casing, vegetation overgrowth, and evidence of tampering. All the wells appeared to be in good condition. Though several of the well locations were overgrown with annual vegetation, all were accessible. D&B could not find a key to match the locks and used bolt cutters to remove the locks at nine well locations (MW-2S did not have a lock). All 10 monitoring well covers were secured with plastic zip ties upon completion of the sampling event. .

Following the Site inspection activities, D&B took depth to water and total well depth measurements of the 10 monitoring wells prior to initiating sampling activities. This information is presented on the Well Depth Measurements table, attached.

Using peristaltic or bladder pumps and dedicated disposable tubing (and disposable bladders), D&B purged each well using USEPA low stress (low flow) purging and sampling procedures to collect water samples from each well location. Field parameters were recorded and are presented on the Groundwater Sampling Records, attached. The Horiba flow through multiparameter water quality meter and bladder pump housing was decontaminated between each sampling location using an Alconox solution and a deionized water rinse. Monitoring wells MW-2S and MW-3D were both purged dry prior to collecting field parameters and did not recover. As a result, samples were not collected from these locations. Purge and decontamination water were disposed of by discharging onto the ground and personal protective equipment and dedicated tubing was bagged and disposed of offsite at D&B's East Syracuse office.

Soil samples were collected from six locations within the former Drum and Debris areas of the site using a post hole digger. Soil samples were collected from a discrete interval from 12 to 24 inches below ground surface. Samples were screened with a photoionization detector and inspected for indications of contamination (e.g., discoloration, staining, etc.). Geologic descriptions of the soil and field screening results are presented on the Soil Sample Field Screening table, attached. The post hole digger was decontaminated between each sampling location using an Alconox solution and a deionized water rinse. A rinse blank was collected from the post hole digger following decontamination activities using laboratory-supplied metals free water.

The collected groundwater samples and associated quality control samples (i.e., blind duplicate, matrix spike and matrix spike duplicate, trip blank) were relinquished following standard chain-of-custody procedures to TestAmerica Service Center in Syracuse, New York for laboratory analysis by Method 8260C for Target Compound List (TCL) volatile organic compounds.

The collected soil samples and associated quality control samples (i.e., blind duplicate, matrix spike and matrix spike duplicate, rinse blank) were relinquished following standard chain-of-custody procedures to TestAmerica Service Center in Syracuse, New York for laboratory analysis by Method 6010 for Target Analyte List (TAL) metals.



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## DAILY FIELD ACTIVITY REPORT

**PREPARED BY (OBSERVER)**

PRINT NAME: Gunther J. Schnorr

SIGNATURE:

**REVIEWED BY**

PRINT NAME: Robbin Petrella

SIGNATURE:

**ADDITIONAL SHEETS USED**

emailed draft / final to NYSDEC – date: 01/07/2020

hardcopy to NYSDEC – date:

**3150-45M Townline Road Dump**  
**December 17, 2019**  
**Well Depth Measurements**

<u>Well</u>	DATE	
	12/17/2019	12/17/2019
	DTW	DTB
MW-1S	22.35	25.52
MW-1D	45.21	57.06
MW-2S	14.78	15.28
MW-2D	33.77	53.16
MW-3D	42.04	42.91
MW-4S	24.62	27.73
MW-4D	39.36	53.26
MW-5RU	21.15	24.93
MW-5RD	16.59	20.42
MW-6S	18.93	32.89

NOTES:

DTW : depth to water in feet relative to top of well riser

DTB : depth to bottom of well in feet relative to the top of well riser

NA : Not applicable

-- : Not observed

**FIELD OBSERVATION LOG  
GROUNDWATER SAMPLING RECORD**

5

SITE Town Line Dump DATE 12/10/19

WELL ID: MW-1S Time On-site: \_\_\_\_\_ Time Off-site: \_\_\_\_\_  
 SAMPLERS: SH & GJS

Depth of well (feet from top of casing)..... 26.02  
 Initial static water level (feet from top of casing)..... 22.8

1.5

**Purging Method**

Airlift \_\_\_\_\_ Centrifugal \_\_\_\_\_  
 Bailer \_\_\_\_\_ Pos. Displ. \_\_\_\_\_  
 Peristaltic \_\_\_\_\_ Disposable \_\_\_\_\_  
 Pump \_\_\_\_\_ Bladder Pump \_\_\_\_\_  
 (dedicated Y (Low Flow) \_\_\_\_\_  
 tubing) \_\_\_\_\_

**Well Volume Calculation:**

2 in. casing: 3.22 ft. of water x 0.16 = 0.515 <sup>x3</sup> gallons  
 3 in. casing: \_\_\_\_\_ ft. of water x 0.36 = \_\_\_\_\_ gallons  
 6 in. casing: \_\_\_\_\_ ft. of water x 1.47 = \_\_\_\_\_ gallons

volume of water removed: 1 gal.

>3 volumes: yes \_\_\_\_\_ no X purged dry? yes \_\_\_\_\_ no X

**Field Tests**

Time	Volume Purged (ml)	Depth to Water (ft)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
1120		<u>22.84</u>	<u>6.70</u>	<u>6.25</u>	<u>1.74</u>	<u>7.1</u>	<u>10.49</u>	<u>227</u>
1125		<u>22.85</u>	<u>6.44</u>	<u>6.91</u>	<u>1.75</u>	<u>6.2</u>	<u>11.94</u>	<u>229</u>
1130		<u>22.85</u>	<u>6.49</u>	<u>7.87</u>	<u>1.76</u>	<u>2.9</u>	<u>11.34</u>	<u>224</u>
1135		<u>22.95</u>	<u>6.46</u>	<u>7.59</u>	<u>1.77</u>	<u>2.0</u>	<u>10.92</u>	<u>219</u>
1140		<u>22.96</u>	<u>6.44</u>	<u>7.63</u>	<u>1.77</u>	<u>1.4</u>	<u>10.48</u>	<u>217</u>
1145		<u>22.97</u>	<u>6.43</u>	<u>7.67</u>	<u>1.78</u>	<u>1.3</u>	<u>10.44</u>	<u>216</u>
1155		<u>22.96</u>	<u>6.42</u>	<u>7.72</u>	<u>1.80</u>	<u>1.2</u>	<u>10.47</u>	<u>214</u>
1200		<u>22.96</u>	<u>6.42</u>	<u>7.90</u>	<u>1.90</u>	<u>1.2</u>	<u>10.40</u>	<u>214</u>

*casing*

Purging Rate: 1.7 gph

Purging Time: \_\_\_\_\_

**Sampling**

Time of Sample Collection: 1200

**Method:**

\_\_\_\_ Stainless steel bailer  
 \_\_\_\_ Teflon bailer  
 \_\_\_\_ Pos. Disp. Pump  
 \_\_\_\_ Disposable bailer  
X Dedicated pump and tubing

**Analyses:**

X USEPA Method 8260C TCL VOCs  
 \_\_\_\_ Total & Dissolved Metals  
 \_\_\_\_ Leachate Parameters

**Observations**

Weather/Temperature: Snow 26°F, High winds

Sample description: Clear

Free Product? yes \_\_\_\_\_ no X describe \_\_\_\_\_  
 Sheen? yes \_\_\_\_\_ no X describe \_\_\_\_\_  
 Odor? yes \_\_\_\_\_ no X describe \_\_\_\_\_



**FIELD OBSERVATION LOG  
GROUNDWATER SAMPLING RECORD**

SITE Town Line Dump DATE 12/18/19

WELL ID: MW-1D Time On-site: MS/MSD Time Off-site: \_\_\_\_\_  
 SAMPLERS: SH & GJS

Depth of well (feet from top of casing)..... 58.00  
 Initial static water level (feet from top of casing)..... 48.0645.41

**Purging Method**

Airlift \_\_\_\_\_ Centrifugal \_\_\_\_\_  
 Bailer \_\_\_\_\_ Pos. Displ. \_\_\_\_\_  
 Peristaltic \_\_\_\_\_ Disposable \_\_\_\_\_  
 Pump \_\_\_\_\_ Bladder Pump \_\_\_\_\_  
 (dedicated tubing) \_\_\_\_\_ (Low Flow) X

**Well Volume Calculation:**

2 in. casing: 12.57 ft. of water x 0.16 = 2 gallons  
 3 in. casing: \_\_\_\_\_ ft. of water x 0.36 = \_\_\_\_\_ gallons  
 6 in. casing: \_\_\_\_\_ ft. of water x 1.47 = \_\_\_\_\_ gallons

volume of water removed: ~1 gal. >3 volumes: yes \_\_\_\_\_ no X purged dry? yes \_\_\_\_\_ no X

**Field Tests**

Time	Volume Purged (ml)	Depth to Water (ft)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
1155		<u>46.50</u>	<u>6.66</u>	<u>8.22</u>	<u>1.58</u>	<u>25.7</u>	<u>8.66</u>	<u>211</u>
1200		<u>46.33</u>	<u>6.70</u>	<u>8.64</u>	<u>1.56</u>	<u>14.6</u>	<u>6.95</u>	<u>214</u>
1205		<u>46.70</u>	<u>6.61</u>	<u>8.94</u>	<u>1.55</u>	<u>34</u>	<u>7.21</u>	<u>209</u>
1210		<u>46.70</u>	<u>6.61</u>	<u>8.91</u>	<u>1.55</u>	<u>2.0</u>	<u>6.34</u>	<u>206</u>
1215		<u>46.70</u>	<u>6.59</u>	<u>8.93</u>	<u>1.55</u>	<u>2.5</u>	<u>6.16</u>	<u>203</u>
1220		<u>46.70</u>	<u>6.57</u>	<u>8.90</u>	<u>1.55</u>	<u>1.9</u>	<u>6.00</u>	<u>206</u>
1225								

Purging Rate: 2 gpm

Purging Time: \_\_\_\_\_

**Sampling**

Time of Sample Collection: 1220

**Method:**

\_\_\_\_ Stainless steel bailer  
 \_\_\_\_ Teflon bailer  
 \_\_\_\_ Pos. Disp. Pump  
 \_\_\_\_ Disposable bailer  
X Dedicated pump and tubing

**Analyses:**

X USEPA Method 8260C TCL VOCs  
 \_\_\_\_ Total & Dissolved Metals  
 \_\_\_\_ Leachate Parameters

*2 WA Bottles backe from sample location to car*

**Observations**

Weather/Temperature: Snow 26°F High Winds

Sample description: Clear

Free Product? yes \_\_\_\_\_ no X describe \_\_\_\_\_  
 Sheen? yes \_\_\_\_\_ no X describe \_\_\_\_\_  
 Odor? yes \_\_\_\_\_ no X describe \_\_\_\_\_



**FIELD OBSERVATION LOG  
GROUNDWATER SAMPLING RECORD**

SITE Town Line Dump DATE 12/17

WELL ID: MW-2S Time On-site: \_\_\_\_\_ Time Off-site: \_\_\_\_\_  
 SAMPLERS: SH & GJS

Depth of well (feet from top of casing)..... 15.55  
 Initial static water level (feet from top of casing)..... 14.78

**Purging Method**

- Airlift  Centrifugal   
 Bailer  Pos. Displ.   
 Peristaltic Pump  Disposable Bladder Pump (Low Flow)   
 Pump (dedicated tubing)

**Well Volume Calculation:**

2 in. casing: 0.77 ft. of water x 0.16 = 0.12 gallons  
 3 in. casing: \_\_\_\_\_ ft. of water x 0.36 = \_\_\_\_\_ gallons  
 6 in. casing: \_\_\_\_\_ ft. of water x 1.47 = \_\_\_\_\_ gallons

volume of water removed: \_\_\_\_\_ gal. >3 volumes: yes \_\_\_\_\_ no \_\_\_\_\_ purged dry? yes  no \_\_\_\_\_

**Field Tests**

Time	Volume Purged (ml)	Depth to Water (ft)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)

*Handwritten notes: "Dm" and "Dries" with arrows pointing to the purging method and well volume calculation sections.*

*Large handwritten note: "No Recharge" with a long arrow pointing from the right side of the page towards the field tests table.*

Purging Rate: \_\_\_\_\_ Purging Time: \_\_\_\_\_

**Sampling**

Time of Sample Collection: NA

- Method: \_\_\_\_\_ Stainless steel bailer \_\_\_\_\_ Teflon bailer \_\_\_\_\_ Pos. Disp. Pump \_\_\_\_\_ Disposable bailer \_\_\_\_\_ X Dedicated pump and tubing
- Analyses: \_\_\_\_\_ USEPA Method 8260C TCL VOCs \_\_\_\_\_ Total & Dissolved Metals \_\_\_\_\_ Leachate Parameters

**Observations**

Weather/Temperature: \_\_\_\_\_  
 Sample description: \_\_\_\_\_  
 Free Product? yes \_\_\_\_\_ no \_\_\_\_\_ describe \_\_\_\_\_  
 Sheen? yes \_\_\_\_\_ no \_\_\_\_\_ describe \_\_\_\_\_  
 Odor? yes \_\_\_\_\_ no \_\_\_\_\_ describe \_\_\_\_\_



**FIELD OBSERVATION LOG  
GROUNDWATER SAMPLING RECORD**

SITE Town Line Dump DATE 12/19

WELL ID: MW-2D Time On-site: \_\_\_\_\_ Time Off-site: \_\_\_\_\_  
 SAMPLERS: SH & GJS

Depth of well (feet from top of casing)..... 53.52  
 Initial static water level (feet from top of casing)..... 33.52

**Purging Method**  
 Airlift \_\_\_\_\_ Centrifugal \_\_\_\_\_  
 Bailer \_\_\_\_\_ Pos. Displ. \_\_\_\_\_  
 Peristaltic \_\_\_\_\_ Disposable \_\_\_\_\_  
 Pump \_\_\_\_\_ Bladder Pump \_\_\_\_\_  
 (dedicated tubing) \_\_\_\_\_ (Low Flow) X

**Well Volume Calculation:**  
 2 in. casing: 20 ft. of water x 0.16 = 3.2 gallons  
 3 in. casing: \_\_\_\_\_ ft. of water x 0.36 = \_\_\_\_\_ gallons  
 6 in. casing: \_\_\_\_\_ ft. of water x 1.47 = \_\_\_\_\_ gallons

volume of water removed: 2.0 gal. >3 volumes: yes \_\_\_\_\_ no X purged dry? yes \_\_\_\_\_ no X

Field Tests ± 0.1 3% 3% 109075 10770.5 10

Time	Volume Purged (ml)	Depth to Water (ft)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
0920		33.52	6.87	9.37	1.83	27.9	8.96	184
0925		33.55	6.83	8.87	1.85	21.9	7.43	187
0930		33.57	6.67	9.53	1.86	15.3	4.40	194
0935		33.57	6.72	9.64	1.86	11.1	4.31	196
0940		33.57	6.68	9.70	1.86	6.3	3.81	213
0945		33.57	6.64	9.71	1.85	5.9	3.76	211
0950		33.57	6.61	9.72	1.85	5.7	3.67	214

Purging Rate: \_\_\_\_\_ Purging Time: \_\_\_\_\_  
4 gph

**Sampling**  
 Time of Sample Collection: 0950

Method: \_\_\_\_\_ Analyses: \_\_\_\_\_  
 \_\_\_\_\_ Stainless steel bailer X USEPA Method 8260C TCL VOCs  
 \_\_\_\_\_ Teflon bailer \_\_\_\_\_  
 \_\_\_\_\_ Pos. Disp. Pump \_\_\_\_\_ Total & Dissolved Metals  
 \_\_\_\_\_ Disposable bailer \_\_\_\_\_ Leachate  
 \_\_\_\_\_ Parameters  
X Dedicated pump and tubing

**Observations**  
 Weather/Temperature: Sunny 28.3 15-20 mph WSW  
 Sample description: clear  
 Free Product? yes \_\_\_\_\_ no X describe \_\_\_\_\_  
 Sheen? yes \_\_\_\_\_ no X describe \_\_\_\_\_  
 Odor? yes \_\_\_\_\_ no X describe \_\_\_\_\_





# FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

SITE Town Line Dump DATE 12/18

WELL ID: MW-3D Time On-site: \_\_\_\_\_ Time Off-site: \_\_\_\_\_  
 SAMPLERS: SH & GJS

Depth of well (feet from top of casing)..... 42.04 43.00 1.14  
 Initial static water level (feet from top of casing)..... 43.18 (C) 42.04 (4)

**Purging Method**

- Airlift \_\_\_\_\_ Centrifugal \_\_\_\_\_
- Bailer \_\_\_\_\_ Pos. Displ. \_\_\_\_\_
- Peristaltic \_\_\_\_\_ Disposable \_\_\_\_\_
- Pump \_\_\_\_\_ Bladder Pump \_\_\_\_\_
- (dedicated \_\_\_\_\_ (Low Flow) \_\_\_\_\_)
- tubing \_\_\_\_\_

**Well Volume Calculation:**

2 in. casing: 42.04 ft. of water x 0.16 = 6.73 gallons  
 3 in. casing: \_\_\_\_\_ ft. of water x 0.36 = \_\_\_\_\_ gallons  
 6 in. casing: \_\_\_\_\_ ft. of water x 1.47 = \_\_\_\_\_ gallons

*1392 x 3 = 4176*

volume of water removed: \_\_\_\_\_ gal. >3 volumes: yes \_\_\_\_\_ no \_\_\_\_\_ purged dry? yes \_\_\_\_\_ no \_\_\_\_\_

**Field Tests**

Time	Volume Purged (ml)	Depth to Water (ft)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)

Well ran dry  
no recharge

Purging Rate: \_\_\_\_\_ Purging Time: \_\_\_\_\_

**Sampling**

Time of Sample Collection: NA

- Method: \_\_\_\_\_ Analyses: \_\_\_\_\_
- \_\_\_\_\_ Stainless steel bailer \_\_\_\_\_ USEPA Method 8260C TCL VOCs
  - \_\_\_\_\_ Teflon bailer \_\_\_\_\_
  - \_\_\_\_\_ Pos. Disp. Pump \_\_\_\_\_ Total & Dissolved Metals
  - \_\_\_\_\_ Disposable bailer \_\_\_\_\_ Leachate Parameters
  - \_\_\_\_\_ Dedicated pump and tubing \_\_\_\_\_

**Observations**

Weather/Temperature: \_\_\_\_\_  
 Sample description: \_\_\_\_\_  
 Free Product? yes \_\_\_\_\_ no \_\_\_\_\_ describe \_\_\_\_\_  
 Sheen? yes \_\_\_\_\_ no \_\_\_\_\_ describe \_\_\_\_\_  
 Odor? yes \_\_\_\_\_ no \_\_\_\_\_ describe \_\_\_\_\_



*[Handwritten signature]*

**FIELD OBSERVATION LOG  
GROUNDWATER SAMPLING RECORD** *0000*

SITE Town Line Dump DATE 12/1/19

WELL ID: MW-4S Time On-site: \_\_\_\_\_ Time Off-site: \_\_\_\_\_  
 SAMPLERS: SH & GJS

Depth of well (feet from top of casing) ..... 29.01 *casing*  
 Initial static water level (feet from top of casing) ..... 24.90

Purging Method Well Volume Calculation:

Airlift _____	Centrifugal _____	2 in. casing: <u>3.11</u> ft. of water x 0.16 = <u>.497</u> gallons
Bailer _____	Pos. Displ. _____	3 in. casing: _____ ft. of water x 0.36 = _____ gallons
Peristaltic Pump <input checked="" type="checkbox"/>	Disposable _____	6 in. casing: _____ ft. of water x 1.47 = _____ gallons
(dedicated tubing) _____	Bladder Pump (Low Flow) _____	

volume of water removed: ~ 1.5 gal. >3 volumes: yes \_\_\_\_\_ no  purged dry? yes \_\_\_\_\_ no

**Field Tests** *casing*

Time	Volume Purged (ml)	Depth to Water (ft)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
<u>1344</u>		<u>25.31</u>	<u>6.97</u>	<u>6.53</u>	<u>1.09</u>	<u>63.5</u>	<u>7.16</u>	<u>-37</u>
<u>1350</u>		<u>25.15</u>	<u>6.75</u>	<u>6.27</u>	<u>1.10</u>	<u>160</u>	<u>6.79</u>	<u>178</u>
<u>1355</u>		<u>25.16</u>	<u>6.71</u>	<u>6.89</u>	<u>1.09</u>	<u>192</u>	<u>3.66</u>	<u>173</u>
<u>1407</u>		<u>25.8</u>	<u>6.68</u>	<u>7.08</u>	<u>1.08</u>	<u>45.9</u>	<u>2.98</u>	<u>174</u>
<u>1415</u>		<u>25.9</u>	<u>6.67</u>	<u>6.92</u>	<u>1.10</u>	<u>30.2</u>	<u>4.91</u>	<u>177</u>

Purging Rate: \_\_\_\_\_ Purging Time: \_\_\_\_\_  
4.5 gph

Sampling Time of Sample Collection: 1430

Method: \_\_\_\_\_ Analyses: \_\_\_\_\_  
 Stainless steel bailer  USEPA Method 8260C TCL VOCs  
 Teflon bailer  
 Pos. Disp. Pump \_\_\_\_\_ Total & Dissolved Metals  
 Disposable bailer \_\_\_\_\_ Leachate Parameters  
 Dedicated pump and tubing

Observations  
 Weather/Temperature: Snow 28°F windy  
 Sample description: Clear  
 Free Product? yes \_\_\_\_\_ no  describe \_\_\_\_\_  
 Sheen? yes \_\_\_\_\_ no  describe \_\_\_\_\_  
 Odor? yes \_\_\_\_\_ no  describe \_\_\_\_\_

*air bubbles  
 hang tube  
 hit bottom*



**FIELD OBSERVATION LOG  
GROUNDWATER SAMPLING RECORD**

SITE Town Line Dump DATE 12/9/19

WELL ID: MW-4D Time On-site: \_\_\_\_\_ Time Off-site: \_\_\_\_\_  
 SAMPLERS: SH & GJS

Depth of well (feet from top of casing)..... 54.0  
 Initial static water level (feet from top of casing)..... ~~55.0~~ 43.00 7.68

**Purging Method**  
 Airlift \_\_\_\_\_ Centrifugal \_\_\_\_\_  
 Bailer \_\_\_\_\_ Pos. Displ. \_\_\_\_\_  
 Peristaltic \_\_\_\_\_ Disposable \_\_\_\_\_  
 Pump \_\_\_\_\_ Bladder Pump \_\_\_\_\_  
 (dedicated tubing) \_\_\_\_\_ (Low Flow) X

**Well Volume Calculation:** 4 in  
 2 in. casing: 46 ft. of water x 0.16 = 2.56 <sup>X</sup> gallons  
 3 in. casing: \_\_\_\_\_ ft. of water x 0.36 = \_\_\_\_\_ gallons  
 6 in. casing: \_\_\_\_\_ ft. of water x 1.47 = \_\_\_\_\_ gallons

volume of water removed: ~2 gal. >3 volumes: yes \_\_\_\_\_ no X purged dry? yes \_\_\_\_\_ no X

**Field Tests** *casting*

Time	Volume Purged (ml)	Depth to Water (ft)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
<u>1420</u>		<u>43.90</u>	<u>6.9</u>	<u>9.53</u>	<u>1.75</u>	<u>6.0</u>	<u>4.26</u>	<u>193</u>
<u>1425</u>		<u>43.94</u>	<u>6.69</u>	<u>9.59</u>	<u>1.73</u>	<u>44.3</u>	<u>4.09</u>	<u>193</u>
<u>1430</u>		<u>43.5</u>	<u>6.69</u>	<u>9.10</u>	<u>1.71</u>	<u>24.5</u>	<u>4.33</u>	<u>197</u>
<u>1435</u>		<u>43.95</u>	<u>6.66</u>	<u>9.31</u>	<u>1.71</u>	<u>5.6</u>	<u>4.27</u>	<u>202</u>
<u>1440</u>		<u>43.65</u>	<u>6.67</u>	<u>9.37</u>	<u>1.70</u>	<u>3.5</u>	<u>4.20</u>	<u>208</u>
<u>1445</u>		<u>43.79</u>	<u>6.70</u>	<u>9.39</u>	<u>1.70</u>	<u>2.9</u>	<u>4.18</u>	<u>190</u>
<u>1450</u>		<u>63.96</u>	<u>6.72</u>	<u>9.42</u>	<u>1.70</u>	<u>2.3</u>	<u>4.14</u>	<u>201</u>

Purging Rate: 4 gph Purging Time: \_\_\_\_\_

Sampling Time of Sample Collection: 1450

Method: \_\_\_\_\_ Analyses: \_\_\_\_\_  
 \_\_\_\_\_ Stainless steel bailer X USEPA Method 8260C TCL VOCs  
 \_\_\_\_\_ Teflon bailer \_\_\_\_\_  
 \_\_\_\_\_ Pos. Disp. Pump \_\_\_\_\_ Total & Dissolved Metals  
 \_\_\_\_\_ Disposable bailer \_\_\_\_\_ Leachate Parameters  
X Dedicated pump and tubing \_\_\_\_\_

**Observations**  
 Weather/Temperature: Snow, Strong wind 27°F  
 Sample description: Clear  
 Free Product? yes \_\_\_\_\_ no X describe \_\_\_\_\_  
 Sheen? yes \_\_\_\_\_ no X describe \_\_\_\_\_  
 Odor? yes \_\_\_\_\_ no X describe \_\_\_\_\_



**FIELD OBSERVATION LOG  
GROUNDWATER SAMPLING RECORD**

SITE Town Line Dump DATE 12/18/19

WELL ID: MW-5R-D Time On-site: \_\_\_\_\_ Time Off-site: \_\_\_\_\_  
 SAMPLERS: SH & GJS

Depth of well (feet from top of casing) ..... 20.53  
 Initial static water level (feet from top of casing) ..... 16.9

**Purging Method**  
 Airlift \_\_\_\_\_ Centrifugal \_\_\_\_\_  
 Bailer \_\_\_\_\_ Pos. Displ. \_\_\_\_\_  
 Peristaltic \_\_\_\_\_ Disposable \_\_\_\_\_  
 Pump \_\_\_\_\_ Bladder Pump \_\_\_\_\_  
 (dedicated tubing) X (Low Flow) \_\_\_\_\_

**Well Volume Calculation:**  
 2 in. casing: 3.63 ft. of water x 0.16 = 0.58 x 3 = 1.74 gallons  
 3 in. casing: \_\_\_\_\_ ft. of water x 0.36 = \_\_\_\_\_ gallons  
 6 in. casing: \_\_\_\_\_ ft. of water x 1.47 = \_\_\_\_\_ gallons

volume of water removed: ~1.1 gal. >3 volumes: yes \_\_\_\_\_ no X purged dry? yes \_\_\_\_\_ no X

**Field Tests** *river*

Time	Volume Purged (ml)	Depth to Water (ft)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
0955		16.70	6.89	6.24	2.57	21.1	1.52	220
1000		16.78	6.82	6.43	2.56	14.3	0.00	213
1005		16.79	6.29	6.97	2.56	8.3	0.00	207
1010		16.81	6.27	6.99	2.57	6.1	0.00	204
1015		16.79	6.26	7.12	2.58	5.7	0.00	201
1020		16.78	6.26	7.19	2.59	5.4	0.00	200
1025		16.90	6.27	7.23	2.58	5.2	0.00	197

Purging Rate: \_\_\_\_\_ Purging Time: \_\_\_\_\_  
2.2 gph  
 Sampling Time of Sample Collection: 1020

Method: \_\_\_\_\_ Analyses: \_\_\_\_\_  
 \_\_\_\_\_ Stainless steel bailer X USEPA Method 8260C TCL VOCs  
 \_\_\_\_\_ Teflon bailer \_\_\_\_\_  
 \_\_\_\_\_ Pos. Disp. Pump \_\_\_\_\_ Total & Dissolved Metals  
 \_\_\_\_\_ Disposable bailer \_\_\_\_\_ Leachate Parameters  
X Dedicated pump and tubing \_\_\_\_\_

**Observations**  
 Weather/Temperature: P Sunny 26°f  
 Sample description: Clear  
 Free Product? yes \_\_\_\_\_ no X describe \_\_\_\_\_  
 Sheen? yes \_\_\_\_\_ no X describe \_\_\_\_\_  
 Odor? yes \_\_\_\_\_ no X describe \_\_\_\_\_



**FIELD OBSERVATION LOG  
GROUNDWATER SAMPLING RECORD**

SITE Town Line Dump DATE 12/18/19

WELL ID: MW-5R-U Time On-site: \_\_\_\_\_ Time Off-site: \_\_\_\_\_  
 SAMPLERS: SH & GJS

Depth of well (feet from top of casing)..... 22.07 25.85  
 Initial static water level (feet from top of casing)..... 22.05

**Purging Method**

Airlift \_\_\_\_\_ Centrifugal \_\_\_\_\_  
 Bailer \_\_\_\_\_ Pos. Displ. \_\_\_\_\_  
 Peristaltic \_\_\_\_\_ Disposable \_\_\_\_\_  
 Pump \_\_\_\_\_ Bladder Pump \_\_\_\_\_  
 (dedicated tubing)  (Low Flow) \_\_\_\_\_

**Well Volume Calculation:**

2 in. casing: 3.0 ft. of water x 0.16 = .600 gallons  
 3 in. casing: \_\_\_\_\_ ft. of water x 0.36 = \_\_\_\_\_ gallons  
 6 in. casing: \_\_\_\_\_ ft. of water x 1.47 = \_\_\_\_\_ gallons

x3 (1.8)

volume of water removed: ~.5 gal. >3 volumes: yes \_\_\_\_\_ no  purged dry? yes \_\_\_\_\_ no

**Field Tests**

Time	Volume Purged (ml)	Depth to Water (ft)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
0930		22.52	6.11	8.69	1.47	12.8	2.30	118
0935		22.57	6.10	8.89	1.49	12.9	2.29	129
0940		22.50	6.12	8.74	1.49	11.7	2.09	133
0945		22.46	6.14	8.60	1.49	5.3	1.89	136
0950		22.45	6.15	8.60	1.49	4.1	0.77	140
0955		22.51	6.15	8.62	1.49	4.4	0.72	141
0900		22.49	6.16	8.67	1.48	4.6	0.69	142

Purging Rate: \_\_\_\_\_ Purging Time: \_\_\_\_\_

**Sampling**

Time of Sample Collection: 0905

**Method:**

\_\_\_\_ Stainless steel bailer  
 \_\_\_\_ Teflon bailer  
 \_\_\_\_ Pos. Disp. Pump  
 \_\_\_\_ Disposable bailer  
 X Dedicated pump and tubing

**Analyses:**

USEPA Method 8260C TCL VOCs  
 \_\_\_\_ Total & Dissolved Metals  
 \_\_\_\_ Leachate Parameters

**Observations**

Weather/Temperature: 28°, cold  
 Sample description: clear  
 Free Product? yes \_\_\_\_\_ no  describe \_\_\_\_\_  
 Sheen? yes \_\_\_\_\_ no  describe \_\_\_\_\_  
 Odor? yes \_\_\_\_\_ no  describe \_\_\_\_\_



**FIELD OBSERVATION LOG  
GROUNDWATER SAMPLING RECORD**

SITE Town Line Dump DATE 12/7/19

WELL ID: MW-6S Time On-site: \_\_\_\_\_ Time Off-site: \_\_\_\_\_  
 SAMPLERS: SH & GJS \_\_\_\_\_ DUP \_\_\_\_\_

Depth of well (feet from top of casing)..... 33.21  
 Initial static water level (feet from top of casing)..... 10.83

Purging Method Well Volume Calculation: 14.28 x.3 10.83  
 Airlift \_\_\_\_\_ Centrifugal \_\_\_\_\_ 2 in. casing: 13.57 ft. of water x 0.16 = 2.28 gallons  
 Bailer \_\_\_\_\_ Pos. Displ. \_\_\_\_\_ 3 in. casing: \_\_\_\_\_ ft. of water x 0.36 = \_\_\_\_\_ gallons  
 Peristaltic \_\_\_\_\_ Disposable \_\_\_\_\_ 6 in. casing: \_\_\_\_\_ ft. of water x 1.47 = \_\_\_\_\_ gallons  
 Pump \_\_\_\_\_ Bladder Pump \_\_\_\_\_  
 (dedicated \_\_\_\_\_ (Low Flow) \_\_\_\_\_  
 tubing) X \_\_\_\_\_

volume of water removed: ~1 gal. >3 volumes: yes \_\_\_\_\_ no X purged dry? yes \_\_\_\_\_ no X

**Field Tests**

Time	Volume Purged (ml)	Depth to Water (ft)	pH	Temp (c°)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
<u>1050</u>	<u>1</u>	<u>13.9</u>	<u>6.34</u>	<u>19.93</u>	<u>2.05</u>	<u>5.4</u>	<u>0.96</u>	<u>163</u>
<u>1100</u>		<u>13.9</u>	<u>6.36</u>	<u>19.37</u>	<u>2.06</u>	<u>3.7</u>	<u>0.80</u>	<u>152</u>
<u>1105</u>		<u>13.9</u>	<u>6.36</u>	<u>19.25</u>	<u>2.07</u>	<u>3.0</u>	<u>0.76</u>	<u>149</u>
<u>1110</u>		<u>13.9</u>	<u>6.36</u>	<u>19.00</u>	<u>2.08</u>	<u>3.2</u>	<u>0.73</u>	<u>148</u>
<u>1115</u>		<u>13.9</u>	<u>6.37</u>	<u>19.90</u>	<u>2.09</u>	<u>3.4</u>	<u>0.78</u>	<u>146</u>
<u>1120</u>		<u>13.9</u>	<u>6.37</u>	<u>19.97</u>	<u>2.08</u>	<u>3.2</u>	<u>0.70</u>	<u>144</u>

Purging Rate: 2.4 gph Purging Time: \_\_\_\_\_

Sampling Time of Sample Collection: 1120

Method: \_\_\_\_\_ Stainless steel bailer \_\_\_\_\_ Teflon bailer \_\_\_\_\_ Pos. Disp. Pump \_\_\_\_\_ Disposable bailer \_\_\_\_\_ X Dedicated pump and tubing \_\_\_\_\_  
 Analyses: X USEPA Method 8260C TCL VOCs \_\_\_\_\_ Total & Dissolved Metals \_\_\_\_\_ Leachate Parameters \_\_\_\_\_

Observations Weather/Temperature: Snow 26°f  
 Sample description: Clear  
 Free Product? yes \_\_\_\_\_ no X describe \_\_\_\_\_  
 Sheen? yes \_\_\_\_\_ no X describe \_\_\_\_\_  
 Odor? yes \_\_\_\_\_ no X describe \_\_\_\_\_



**3150-45M Townline Road Dump  
Soil Sample Field Screening  
Wednesday, December 18, 2019**

I.D. Name	Depth of Sample (in.)	PID Reading (ppm)	Description
SB-1	16-18	0.0	Dark brown, silty clay; low moisture content.
SB-2	18-20	0.0	Dark brown, silty clay; low moisture content.
SB-3	16-18	0.0	Dark brown, silty clay with some fine sand; low moisture content.
SB-4	18-20	0.0	Light brown, silty clay with some fine sand; low moisture content.
SB-5	16-18	0.0	Light brown, silty clay with fine sand; moist.
SB-6	16-20	0.0	Dark brown, silty clay; low moisture content.

**PHOTOGRAPH LOG**  
**DECEMBER 17-18, 2019 D&B JOB NO. 3150-45M**  
**TOWNLINER ROAD DUMP SITE**  
**TOWN OF SPRINGPORT, NEW YORK**

<b>PHOTO</b>	<b>DATE</b>	<b>DESCRIPTION</b>
IMG_9473	12-17-2019	View of MW-5R-D (facing southeast).
IMG_9474	12-17-2019	View of MW-6S.
IMG_9476	12-17-2019	View of MW-3D (facing north).
IMG_9478	12-17-2019	View of MW-4D.
IMG_9480	12-17-2019	View of MW-4S (facing southwest).
IMG_9481	12-17-2019	View of MW-1S and MW-1D (facing south).
IMG_9482	12-17-2019	View of MW-2S and MW-2D (facing southwest).
IMG_9487	12-18-2019	View of the northwest corner of the site (facing east).
IMG_9488	12-18-2019	View of bulldozer located at clearing in forested area with tree branches and logs.
IMG_9490	12-18-2019	Empty drums and refuse pile located near clearing in forested area.
IMG_9491	12-18-2019	View of the Pond 4 area where soil samples SB-5 and SB-6 were collected (facing west).
IMG_9492	12-18-2019	View of the access road from the clearing in the forested area (facing north).
IMG_9493	12-18-2019	View of the Pond 3 area where soil samples SB-1 through SB-4 were collected (facing west).
IMG_9494	12-18-2019	View of the large concrete blocks staged onsite (facing east).
IMG_9495	12-18-2019	View of the clearing in the forested area and the bulldozer. (facing south).
IMG_9496	12-18-2019	View of MW-5R-D (facing west).
IMG_9498	12-18-2019	View of the site from the access road (facing south).



**PHOTOGRAPH LOG**  
**DECEMBER 17-18, 2019 D&B JOB NO. 3150-45M**  
**TOWNLINER ROAD DUMP SITE**  
**TOWN OF SPRINGPORT, NEW YORK**

IMG\_9473



IMG\_9474



**PHOTOGRAPH LOG**  
**DECEMBER 17-18, 2019 D&B JOB NO. 3150-45M**  
**TOWNLINER ROAD DUMP SITE**  
**TOWN OF SPRINGPORT, NEW YORK**

IMG\_9476



IMG\_9478



PHOTOGRAPH LOG  
DECEMBER 17-18, 2019 D&B JOB NO. 3150-45M  
TOWNLINER ROAD DUMP SITE  
TOWN OF SPRINGPORT, NEW YORK

IMG\_9480



IMG\_9481



**PHOTOGRAPH LOG**  
**DECEMBER 17-18, 2019 D&B JOB NO. 3150-45M**  
**TOWNLINER ROAD DUMP SITE**  
**TOWN OF SPRINGPORT, NEW YORK**

IMG\_9482



IMG\_9487



**PHOTOGRAPH LOG**  
**DECEMBER 17-18, 2019 D&B JOB NO. 3150-45M**  
**TOWNLINER ROAD DUMP SITE**  
**TOWN OF SPRINGPORT, NEW YORK**

IMG\_9488



IMG\_9490



**PHOTOGRAPH LOG**  
**DECEMBER 17-18, 2019 D&B JOB NO. 3150-45M**  
**TOWNLINER ROAD DUMP SITE**  
**TOWN OF SPRINGPORT, NEW YORK**

IMG\_9491



IMG\_9492



**PHOTOGRAPH LOG**  
**DECEMBER 17-18, 2019 D&B JOB NO. 3150-45M**  
**TOWNLINER ROAD DUMP SITE**  
**TOWN OF SPRINGPORT, NEW YORK**

IMG\_9493



IMG\_9494



**PHOTOGRAPH LOG**  
**DECEMBER 17-18, 2019 D&B JOB NO. 3150-45M**  
**TOWNLINER ROAD DUMP SITE**  
**TOWN OF SPRINGPORT, NEW YORK**

IMG\_9495



IMG\_9496





**PHOTOGRAPH LOG**  
**DECEMBER 17-18, 2019 D&B JOB NO. 3150-45M**  
**TOWNLINER ROAD DUMP SITE**  
**TOWN OF SPRINGPORT, NEW YORK**

IMG\_9498

