



**IMMEDIATE RESPONSE ACTION PLAN
WIGWAM LANDFILL
WEST BROOKFIELD, MASSACHUSETTS
MASSDEP RTN: 2-19699**

Prepared For:
The Town of West Brookfield
Board of Health
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EndPoint Project 2060-001
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TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
1.0 INTRODUCTION.....	1
2.0 SITE BACKGROUND & CONDITION WARRANTING IRA.....	1
2.1 BACKGROUND.....	1
2.2 CONDITION WARRANTING IRA.....	5
3.0 SITE DESCRIPTION.....	5
4.0 PRIVATE GROUNDWATER DRINKING WATER WELL SAMPLING	6
5.0 IRA ACTIVITIES CONDUCTED	7
5.1 EVALUATION OF SRM	7
5.2 DISPOSAL OF REMEDIATION WASTE	7
6.0 CONCEPTUAL SITE MODEL.....	7
7.0 PROPOSED IRA ACTIVITIES AND SCHEDULE	9
8.0 PERMITS	9

TABLES

- Table 1 Private Drinking Water Well Sampling Events Concentration of 1,4-Dioxane
Table 2 Summary of Groundwater & Surface Water Analytical Results (2011 to Present)
Table 3 Concentration of 1,4-Dioxane at the Wickaboag Sportsmen Club
Compared to Concentrations at the Wigwam Landfill

FIGURES

- Figure 1 Site Locus Map
Figure 2 Site Plan

APPENDICES

- Appendix A Limitations
Appendix B BWSC Forms 103 and 105
Appendix C Public Notification Letters
Appendix D MassDEP GIS Map
Appendix E 500-ft Radius Certified Abutter's List
Appendix F Groundwater Drinking Water Well Laboratory Analytical Reports

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IMMEDIATE RESPONSE ACTION PLAN REPORT
WIGWAM LANDFILL
WEST BROOKFIELD, MASSACHUSETTS
RTN 2-19699

1.0 INTRODUCTION

EndPoint, LLC (EndPoint) prepared this Immediate Response Action (IRA) Plan on behalf of the West Brookfield Board of Health (BoH) for the assessment of a potential Substantial Release Migration (SRM) at the West Brookfield Sanitary Landfill located on Wigwam Road in West Brookfield, Massachusetts (the Wigwam Landfill or the Site). The general Site location is shown on **Figure 1** and Site features are shown on the Site Plan presented as **Figure 2**. This report is subject to the limitations presented in **Appendix A**. A copy of Release Notification Form BWSC 103 and IRA Plan Transmittal Form BWSC 105 are included in **Appendix B**. A copy of the Release Notification Form has been sent to the Town of West Brookfield officials, and copies of these notification letters are provided in **Appendix C**.

2.0 SITE BACKGROUND & CONDITION WARRANTING IRA

2.1 BACKGROUND

The Site is located west of the Wigwam Road and is upgradient of the Bradish Brook located approximately 400 feet west of the Site. Unnamed wetlands are located approximately 230 feet northwest from the Site. The Site has a vegetative cover that is maintained periodically each year. The Site is not located within a groundwater drinking water Interim Wellhead Protection Area (IWPA) or a Zone II Wellhead Protection Area. No private drinking water groundwater well is located within 500 feet of the Site. The nearest drinking water groundwater well is located at the Wickaboag Sportsmen Club at 89 New Braintree Road approximately 800 feet southwest of the Site. No surface water drinking water protection areas are located near the Site. MassDEP Phase I Site Assessment (21E) Maps for both the Wigwam Landfill and the Wickaboag Sportsmen Club, which depicts a 500-foot and 0.5 mile radii around the properties is found in **Appendix D**.

The Wigwam Landfill was established as a Municipal dump/landfill in 1933 by the West Brookfield Board of Health (BoH). In 1978, the Town's Sanitary Landfill Contract was approved by MassDEP.

By 1996, the Wigwam Landfill was closed and capped, which brought about post-closure monitoring. On September 8, 2005, the West Brookfield BoH was issued a Notice of Noncompliance for “failure to conduct long term groundwater monitoring for heavy metals at the closed facility, in violation of 310 CMR 19.142(1) and 310 CMR 19.132(1)(h).

In 2013, EndPoint applied for and received approval to modify the existing Post-Closure Landfill Monitoring Plan, based on historical sampling results and observations made while conducting the landfill monitoring. The current monitoring plan reflects the changes made during this modification.

Gas vents are located on the Site and perimeter gas points surround the Site to monitor for landfill gasses. The gas monitoring is conducted quarterly (January, April, July, and October) and reports are submitted to MassDEP after each sampling/monitoring event in accordance with the BWP SW 22, Minor Modification of Existing Landfill Permit, Transmittal #X257733, dated January 8, 2014. No significant volatile organic compound (VOC) readings from any of the gas vents or gas points have been noted. Groundwater monitoring wells are also located around the perimeter of the landfill. The groundwater monitoring is conducted on an annual basis, coinciding with the October landfill gas monitoring. A combined landfill gas monitoring and groundwater sampling report is submitted to MassDEP each November. Other landfill gas and groundwater data can be obtained in the quarterly and annual reports that have been submitted to MassDEP. Site features are depicted on **Figure 2**.

The official date of release notification as identified on the MassDEP database is January 21, 2016; however, private drinking water well impacts were observed and have been monitored by EndPoint on behalf of the BoH and in accordance with the January 2014 Landfill Permit Modification (#X257733), since April 2014, Release Tracking Number (RTN) 2-19699 was issued by MassDEP and this remains the sole RTN for the Site.

Past response actions, occurring under the MassDEP Solid Waste Program, have included the drinking water well sampling conducted at numerous residential properties along New Braintree Road, as well as at the Wickaboag Sportsmen Club, which is not considered a residential property but it does have a private drinking water well that is accessed/operated by its members. The focus of the quarterly sampling under the January 2014 Landfill Permit Modification has been 89 New Braintree Road (the

Sportsmen Club), 72 New Braintree Road, and 81 New Braintree Road, which are each located hydraulically downgradient of the Wigwam Landfill. 1,4-Dioxane has been detected above the Office of Resource and Standards Guidelines (ORSG) Limit (0.30 µg/L) since April 2014 when it was initially sampled by EndPoint on behalf of the BoH, under the January 2014 Landfill Permit Modification. The detection level has fluctuated on a quarterly basis, though it has always remained above the ORSG limit. On November 2, 2015, EndPoint conducted its fourth quarter round of residential drinking water well sampling for the 2015 calendar year, which included 72, 81, and 89 New Braintree Road (as discussed above), as well as an additional four properties (three along New Braintree Road and one on Wigwam Road). The results for each of the properties, with the exception of 81 and 89 New Braintree, were below laboratory detection limits, and, therefore, below the ORSG limit. 1,4-Dioxane was detected in the drinking water well at 81 New Braintree Road for the first time, at a level of 0.37 ug/L. The residents of this property, as well as the West Brookfield BoH and the MassDEP Solid Waste Management Program were notified of this exceedance, and the residents were immediately supplied with bottled water and told to stop using the water for consumption purposes (drinking and cooking). Because this level was just slightly above the ORSG limit, the property was resampled on November 13, 2016, along with the two properties immediately hydraulically downgradient (71 and 75 New Braintree Road). Neither of the downgradient properties had detections of 1,4-dioxane in their drinking water. The property at 81 New Braintree Road was found to have levels of 1,4-dioxane above laboratory detection limits; however, it did not exceed the ORSG limit. A monthly sampling program was implemented for the property at 81 New Braintree Road, to determine if the initial detection was an anomaly, or if the 1,4-dioxane contamination had begun to migrate in that direction. On December 15, 2015, the first round of the monthly sampling program, the drinking water well at 81 New Braintree Road was resampled and 1,4-dioxane was not detected above laboratory detection limits. On January 15, 2016, the second round of the monthly sampling program, 1,4-dioxane was detected at concentrations nearly 4-times the ORSG limit. Because the concentration was again detected above the ORSG limit, the monthly sampling program was halted. The residents remain on bottled water until a more permanent solution to the 1,4-dioxane contamination is implemented. **Table 1**, as follows, depicts the concentrations of 1,4-dioxane as shown in 81 and 89 New Braintree Road during each of the sampling events. Other private groundwater drinking water well sampling that occurred during these

sampling events are not featured in this table because 1,4-dioxane was not detected in any other private well sampled:

Date of Sample Collection	Concentration of 1,4-Dioxane (µg/L)	
	81 New Braintree Rd (Residential)	89 New Braintree Rd (Wickaboag Sportsmen Club)
April 18, 2014	NS	3.22
June 4, 2014	ND(0.20)	3.69
October 15, 2014	ND(0.20)	1.95
January 29, 2015	ND(0.20)	5.17
April 22, 2015	ND(0.20)	3.21
July 31, 2015	ND(0.20)	4.95
November 3, 2015	0.37	1.50
November 13, 2015	ND(0.20)	NS
December 15, 2015	ND(0.20)	NS
January 15, 2016	1.24	1.04

NS = Not Sampled;
ND(0.20) = concentration was not detected above laboratory reporting limits, shown inside parentheses.

Annual landfill groundwater sampling occurs during the month of October each year, with the next sampling event occurring in 2016. Prior to the modification of the landfill permit in January 2014, groundwater sampling occurred on a biannual basis. A copy of the landfill groundwater sampling laboratory analytical results are shown in **Table 2**, and depict landfill groundwater sampling results collected from 2011 through the most recent sampling round, which occurred in October 2015.

Quarterly groundwater drinking water sampling that has been occurring under the MassDEP Solid Waste Program will likely be replaced by the more inclusive program under this IRA and the MassDEP Bureau of Waste Site Cleanup (BWSC) Program, with the initial round of sampling occurring on March 21 and 22, 2016. A copy of the pre-sampling notification and associated Notice of Environmental Sampling form, BWSC-123, sent to each of the properties included in this IRA sampling event, is attached in **Appendix C**. Also, a copy of the Certified Abutter's List showing properties found within a 500-foot radius of both the Wigwam Landfill and the Wickaboag Sportsmen Club, as provided by the Town of West Brookfield's Assessor's Office, is attached in **Appendix E**.

2.2 CONDITION WARRANTING IRA

On January 21, 2016, EndPoint personnel received a telephone call from Mr. Kevin Daoust of MassDEP's BWSC regarding the exceedance of 1,4-dioxane in the private drinking water well at 89 New Braintree Road (Wickaboag Sportsmen Club). Mr. Daoust issued RTN 2-19699 to track this new condition and verbally approve IRA assessment activities including: the expanded sampling and analysis for 1,4-dioxane of private groundwater drinking water wells within a 500-foot radius of both the Wigwam Landfill's groundwater monitoring well, MW-2D, and the Wickaboag Sportsmen Club at 89 New Braintree Road due to the apparent existence of a Substantial Release Migration (SRM). The condition of SRM, as defined by 310 CMR 40.0313(4)(d), is a condition at a disposal site (the Wigwam Landfill) that includes a release to the groundwater that has been or is likely to be (within one year) detected in a public or private water supply well.

Prior to this call, all monitoring, sampling, and reporting associated with the Wigwam Landfill, including private groundwater drinking water well sampling, was conducted as part of MassDEP's Solid Waste Management Program under the January 2014 Modified Landfill Permit, and managed by Mr. James McQuade of MassDEP. As part of the ongoing landfill monitoring, groundwater monitoring wells located around the perimeter of the landfill have been sampled and monitored since the landfill's closure in 1996. In March 2014, 1,4-dioxane was detected in the landfill groundwater monitoring well, MW-3, above the ORSG value and as a result, on April 16, 2014, EndPoint sampled the private groundwater drinking water well for the Wickaboag Sportsmen Club, which is located southwest of Wigwam Landfill. The result of the 1,4-dioxane sample was 3.22 µg/l, which was over 10-times greater than the ORSG value (0.30 µg/l). Subsequent sampling rounds at the landfill detected exceedances of 1,4-dioxane in monitoring well MW-2D, not in MW-3. Concentrations of 1,4-dioxane at the Sportsmen Club have been consistently above the ORSG limit, though most recent sampling results have shown a significant decrease in the concentration of 1,4-dioxane and are now less than 4-times the ORSG limit.

3.0 SITE DESCRIPTION

The Site is located at 78 Wigwam Road in West Brookfield, Massachusetts and consists of an approximately 45 acre parcel of land located on the western side of Wigwam Road. The property includes a large mounded landfill (now closed and capped), the peak of which is relatively flat. The

landfill slopes moderately on the eastern side towards the property's parking lot and slopes steeply on the southern, western, and northern directions into the surrounding wooded area. The nearest surface water body, Bradish Brook, is located approximately 400 feet west of the Site, and flows in the southwesterly direction off of the landfill property, onto 89 New Braintree Road and 81 New Braintree Road, before crossing New Braintree Road and flowing through 82, 78, and 72 New Braintree Road. Unnamed wetlands are located approximately 230 feet northwest from the Site. The Site has a vegetative cover that is maintained periodically each year. The nearest drinking water groundwater well is located at the Wickaboag Sportsmen Club at 89 New Braintree Road approximately 800 feet southwest of the Site. No surface water drinking water protection areas are located near the Site. Pertinent physical features at the Site, including the location of groundwater monitoring wells and landfill gas and vapor point locations are shown on **Figure 2**.

The locations of the Wickaboag Sportsmen Club, as well as other properties included in this IRA sampling program, are shown in **Figure 3**.

IRA activities, including the quarterly private groundwater drinking water sampling program are being conducted at properties with private drinking water wells located within a 500-foot radius of both the Wigwam Landfill and the Wickaboag Sportsmen Club. The first round of quarterly sampling under the IRA will take place on March 21 and 22, 2016. Public Notification letters and the associated Notice of Environmental Sampling form, BWSC-123, are included in **Appendix C**.

4.0 PRIVATE GROUNDWATER DRINKING WATER WELL SAMPLING

Private groundwater drinking water well analysis has been occurring on a quarterly basis since April 2014, after the detection of elevated levels of 1,4-dioxane was detected in landfill monitoring well, MW-3. As discussed above, 1,4-dioxane has not been detected in MW-3 since the April 2014 sampling event; however, it has been consistently detected in groundwater monitoring well, MW-2D. The property abutting the landfill in the direction of groundwater flow (southwest), which follows the Bradish Brook, is the Wickaboag Sportsmen Club at 89 New Braintree Road. This was the first property sampled for 1,4-dioxane. Laboratory analytical results for the April 2014 sampling event determined that the property's groundwater drinking water well contained 1,4-dioxane at concentrations

10-times greater than the ORSG limit of 0.30 ug/L. In June 2014, six properties were added to the groundwater drinking water sampling program, for a total of seven properties being sampled for 1,4-dioxane. The results of this sampling event detected only elevated concentrations of the compound in the drinking water well at the Wickaboag Sportsmen Club. As a result, the list of properties included in future drinking water sampling was narrowed down to the Wickaboag Sportsmen Club and two additional properties; 72 New Braintree Road and 81 New Braintree Road, based on their relative close proximity to the Sportsmen Club, as well as hydraulically downgradient. The November 2015 sampling event revealed 1,4-dioxane levels above the ORSG limit for the first time.

5.0 IRA ACTIVITIES CONDUCTED

5.1 EVALUATION OF SRM

According to the MassDEP BWSC, the potential exists that a condition of SRM is present at the Wigwam Landfill and the Wickaboag Sportsmen Club @ 89 New Braintree Road because the concentration of 1,4-dioxane was present in the drinking water well at the Sportsmen Club at levels greater than 10-times the ORSG limit of 0.30 ug/L. While the most recent 1,4-dioxane concentration observed at the Sportsmen Club is no longer at or above 10-times the ORSG limit, the concentration still exceeds the ORSG limit. Also, 1,4-dioxane has been detected in the private groundwater drinking water well at 81 New Braintree Road, which is located hydraulically downgradient to the Sportsmen Club. Laboratory reports of the most recent rounds of groundwater drinking water sampling, conducted under the MassDEPs Solid Waste Program, are attached in **Appendix F**. Sampling conducted under the IRA will provide further evidence of the SRM condition, and determine if the 1,4-dioxane contamination has migrated further.

5.2 DISPOSAL OF REMEDIATION WASTE

No remediation waste was generated as part of IRA assessment activities.

6.0 CONCEPTUAL SITE MODEL

The property at 78 Wigwam Road was operated as a landfill from the early 1930's to 1996, when it was closed and capped. The source of the 1,4-dioxane appears to be from the buried waste at the landfill,

with 1,4-dioxane leaching into the groundwater. Bradish Brook, which is located approximately 400 feet west of the landfill flows in the southwesterly direction, through a portion of the landfill Site, then through 89 New Braintree Road before splitting off into two directions; south onto 81 New Braintree Road and southwest across New Braintree Road where it flows through 82, 78, and 72 New Braintree Road. 1,4-Dioxane does not easily adhere to soil particles, and therefore, moves quickly from soil to groundwater once in the ground. It also does not volatilize quickly from surface water to air; however, once in the air, 1,4-dioxane breaks down quickly, with a half-life of less than 10-hours. Concentration of 1,4-dioxane has fluctuated at 89 New Braintree Road (Wickaboag Sportsmen Club) since its initial detection in April 2014. The following table, **Table 3**, depicts the concentrations of 1,4-dioxane as shown in 89 New Braintree Road (Wickaboag Sportsmen Club) during each of the sampling events, as well as the concentration detected in the Wigwam Landfill's groundwater monitoring well, MW-2D during its annual sampling round:

Table 3 - Concentration of 1,4-Dioxane at the Wickaboag Sportsmen Club Compared to Concentrations at the Wigwam Landfill (µg/L)

Date of Sample Collection	Wickaboag Sportsmen Club	Wigwam Landfill Monitoring Well, MW-2D
April 2014	3.22	7.58*
June 2014	3.69	--
October 2014	1.95	8.11
January 2015	5.17	--
April 2015	3.21	--
July 2015	4.95	--
October 2015	1.50	8.10
January 2016	1.04	--

**Note: The April 2014 detection of 1,4-dioxane in groundwater monitoring well, MW-3 (7.58 ug/L) is now thought to be a result of a typographical or laboratory error, and is in line with the detections at MW-2D.*

Given the age of the landfill, as well as the fluctuating detection of 1,4-dioxane at 89 New Braintree Road, and the newly detected 1,4-dioxane exceedance at 81 New Braintree Road, the 1,4-dioxane plume appears to be following Bradish Brook

The groundwater monitoring wells, located at the Wigwam Landfill, are considered overburden wells, meaning they do not extend into the bedrock; therefore, groundwater encountered in these wells is not part of the bedrock aquifers that the private drinking water (bedrock) wells of the nearby residences are supplied by. Detection of 1,4-dioxane in the private bedrock wells gives further evidence that the 1,4-dioxane is now migrating in the bedrock groundwater.

Results of the upcoming private groundwater drinking water well sampling program will aid in providing more insight into the migration and extent of the 1,4-dioxane from the landfill.

7.0 PROPOSED IRA ACTIVITIES AND SCHEDULE

IRA activities will include continued quarterly residential drinking water well sampling for those properties located within a 500-foot radius of an exceedance of 1,4-dioxane above the ORSG Limit of 0.30 µg/L in a groundwater monitoring well or a residential drinking water well; currently, exceedances are present at 81 and 89 New Braintree Road, and within groundwater monitoring well, MW-2D, at the Wigwam Landfill. The first round of this quarterly IRA sampling program will be conducted on March 21 and 22, 2016. Copies of the pre-sampling notification letters and associated Notice of Environmental Sampling form, BWSCS-123, are found in **Appendix C**. Should the levels of 1,4-dioxane fall below the ORSG Limit, MassDEP BWSC will be notified and the future of the sampling program will be discussed. In the event that 1,4-dioxane is detected above the ORSG Limit in one of the drinking water wells being sampled as part of the aforementioned IRA sampling program, that residence will immediately be provided bottled water program and advised not to consume water from their well. Furthermore, the sampling program will be amended to include all residential drinking water wells within a 500-foot radius of said exceedance. MassDEP BWSC will be notified of any future changes observed. Should additional IRA activities become warranted, a modification to this IRA Plan will be submitted to MassDEP or included in the July 2016 Status Report.

8.0 PERMITS

No permits are required for IRA activities conducted to date or proposed herein.

EndPoint Project 2060-001
IRA Plan – West Brookfield Sanitary Landfill
West Brookfield, MA
March 18, 2016



TABLES

Table 1
Summary of Groundwater & Surface Water Analytical Results
(2011 to Present)
West Brookfield Landfill
Wigwam Road, West Brookfield, Massachusetts

Parameter	SAMPLING LOCATION												Standards and Guidelines					
	MW-1						MW-1D											
Sampling Date	6/22/2011	12/14/2011	6/14/2012	12/11/2012	6/19/2013	3/19/2014	10/15/2014	10/26/2015	12/14/2011	6/19/2013	3/19/2014	10/15/2014	10/26/2015	SMCL	MMCL	ORSG	AWQC	
4 ASTM D516-90, 02 (mg/L)																		
SULFATE	6.3	8.6	6.2	9.6	5.0	7.4	10.5	5.9	21	23	20	19.3	22	250	—	—	—	
EPN 410.4 (mg/L)																		
CHLORICAL OXYGEN DEMAND	21	ND(15)	ND(15)	ND(15)	22	ND(15)	ND(25)	24	ND(15)	28	ND(15)	29.3	36	—	—	—	—	
SM18-20 4500 NO3 F (mg/L)																		
NITRATE	ND(0.050)	ND(0.050)	0.084	ND(0.050)	ND(0.050)	ND(0.050)	ND(1.0)	ND(0.050)	0.19	0.32	0.2	ND(1.0)	0.45	—	10	—	—	
SM18-20 2320H (mg/L)																		
ALKALINITY	26	29	21	34	34	31	26	23	110	120	110	112	110	—	—	—	—	
SM18-20 2540C (mg/L)																		
TOTAL DISSOLVED SOLIDS	100	70	130	98	36	64	107	22	800	849	759	1,178	1,009	500	—	—	—	
SM18-20 4500 Cl, B (mg/L)																		
CHLORIDE	43	3.4	48	17	8.4	11	30.4	66	410	360	470	617	520	250	—	—	—	
SW-846 6010C (mg/L) Metals Digestion																		
ARSENIC	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.005)	ND(0.010)	ND(0.010)	—	0.01	—	—	
BARIUM	ND(0.050)	ND(0.050)	0.064	ND(0.050)	ND(0.050)	ND(0.050)	0.033	0.07	0.056	0.057	0.086	0.079	0.08	2	—	—	—	
CADMIUM	0.0059	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.002)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.002)	ND(0.0040)	—	0.005	—	—	
CHROMIUM	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	—	0.1	—	—	
COPPER	0.011	ND(0.010)	ND(0.010)	0.013	0.021	0.022	0.02	0.02	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.02	1	1.3	—	—
IRON	0.61	0.991	0.057	2.1	2.8	0.23	1.35	7.26	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.3	—	—	—	
LEAD	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	—	0.015	—	—	
MANGANESE	0.20	0.021	0.975	0.09	0.33	0.017	0.997	-0.32	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.0023	0.05	0.03	—	—
SELENIUM	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.025)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.025)	ND(0.050)	0.05	—	—	—	
SILVER	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.007)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.007)	ND(0.0050)	0.1	—	—	—	
ZINC	0.40	0.14	0.41	0.23	0.2	0.26	0.199	0.31	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.020)	5	—	—	—	
SW-846 7470A (mg/L) Metals Digestion																		
MERCURY	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.0002)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.0002)	ND(0.00010)	—	0.002	—	—	
SW-846 2560C (µg/L)																		
BENZENE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	—	5	—	—	
CARBON DISULFIDE	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	—	—	—	—	
CHLOROBENZENE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	—	100	—	—	
CHLOROETHANE	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(1.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	—	—	—	—	
CHLOROMETHANE	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(1.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	—	—	—	—	
1,1-DICHLOROETHANE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	—	7	70	—	
CIS-1,2-DICHLOROETHYLENE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	—	70	—	—	
DIETHYL ETHER	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(1.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	—	—	—	—	
1,4-DIOXANE	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(2)	ND(2)	ND(50)*	ND(50)*	ND(2)	ND(2)	ND(50)*	—	—	0.3	—	
MTBE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	20	—	70	—	
SW866 9014 (mg/L)																		
CYANIDE	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	ND(0.020)	—	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	—	—	0.2	—	—

NOTES

1. Samples collected by EndPoint personnel on date indicated.
2. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.
3. ND = Not detected above the lab reporting limits shown in parenthesis.
4. — = No Standard or Guideline available.
5. Bolded values exceed at least one standard or guideline.
6. SMCL = Secondary Maximum Contaminant Level. MMCL = Massachusetts Maximum Contaminant Level. ORSG = Office of Research and Standards Guidelines. AWQC = Ambient Water Quality Criteria.
7. — = Parameter was not analyzed.
8. Two asterisks (**) after a date indicates groundwater within the particular monitoring well went dry prior to collecting a full sampling list.

Table 1 (Continued)
Summary of Groundwater & Surface Water Analytical Results
(2011 to Present)
West Brookfield Landfill
Wigwam Road, West Brookfield, Massachusetts

Parameter	SAMPLING LOCATION																Standards and Guidelines										
	MW-2D								MW-6																		
Sampling Date	6/22/2011	Duplicate 6/22/2011	12/14/2011	Duplicate 12/14/2011	6/14/2012	Duplicate 6/14/2012	12/11/2012	6/19/2013	3/19/2014	10/15/2014	10/26/2015	11/13/2015	6/22/2011	12/14/2011	6/14/2012	12/11/2012	6/19/2013	3/19/2014	10/15/2014**	10/26/2015**	SMCL	MMCL	ORSG	AWQC			
<i>ASTM D516-90, 02 (µg/L)</i>																											
SULFATE	210	230	240	250	250	230	260	190	190	233	170	--	63	13	18	14	38	34	11	23.6	--	250	--	--	--		
EPA 410.4 (µg/L)																											
CHIMICAL OXYGEN DEMAND	48	36	49	40	54	45	32	26	41	44.5	53	--	24	28	ND(15)	ND(15)	34	42	27	--	--	--	--	--	--		
SM18-20 4500 NO3 F (µg/L)																											
NITRATE	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.066	0.067	ND(0.050)	ND(0.050)	ND(0.050)	ND(1.0)	ND(0.050)	--	ND(0.050)	0.053	0.17	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(1.0)	--	--	10	--	--		
SM18-20 2320 B (µg/L)																											
ALKALINITY	78	75	72	78	73	80	120	60	38	22	24	--	39	23	21	28	27	27	42	--	--	--	--	--	--		
SM18-20 2540 C (µg/L)																											
TOTAL DISSOLVED SOLIDS	500	520	560	480	580	560	530	340	450	589	360	--	110	64	62	88	110	110	80	95.4	--	500	--	--	--		
SM18-20 4500 CT B (µg/L)																											
CHLORIDE	ND(1.0)	46	130	120	100	210	ND(1.0)	70	96	112	130	--	7.7	2.0	4.1	2.9	9.8	7.0	4.2	7.98	--	250	--	--	--		
<i>SW-846 6010C (µg/L) Metals Digestion</i>																											
ARSENIC	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	0.01	--	--	--		
BARIUM	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	--	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	--	2	--	--	--		
CADMIUM	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	--	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	--	0.005	--	--	--		
CHROMIUM	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	0.1	--	--	--		
COPPER	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	1	1.3	--	--		
IRON	86	84	87	87	98	94	89	52	49	72.8	86	--	14	6.74	1.7	5.3	9.1	8.5	7.9	--	--	0.3	--	--	--		
LEAD	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	0.015	--	--	--		
MANGANESE	2.1	2.0	2.1	2.6	2.6	2.3	2.1	2.1	2.1	1.6	0.23	--	0.88	0.87	1.5	1.4	3.7	--	--	0.05	0.03	--	--	--	--		
SELENIUM	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	--	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	--	0.05	--	--	--		
SILVER	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	--	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	--	0.1	--	--	--		
ZINC	ND(0.020)	0.025	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	--	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	--	5	--	--	--		
<i>SW-846 7470A (µg/L) Metals Digestion</i>																											
MERCURY	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	--	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	--	0.002	--	--	--		
<i>SW-846 2606C (µg/L)</i>																											
BENZENE	ND(1.0)	ND(1.0)	1.1	1.1	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)		
CARBON DISULFIDE	ND(5.0)	ND(5.0)	ND(10)	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	--	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)		
CHLOROBENZENE	ND(1.0)	ND(1.0)	ND(1.0)	1.0	ND(1.0)	1.0	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)		
CHLOROETHANE	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	--	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)		
CHLOROMETHANE	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	--	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)		
1,1-DICHLOROETHANE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)		
CIS-1,2-DICHLOROETHYLENE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)		
DIETHYL ETHER	12	11	9.6	12	12	12	12	12	6.1	8.1	15.0	--	13.0	12	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
1,4-DIOXANE	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	--	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*		
MTBE	2.1	2.1	1.7	1.9	2.0	2.2	1.7	1.4	2.3	1.8	--	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)		
CYANIDE	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)		

NOTES:

1. Samples collected by EnvPoint personnel on date indicated.

2. An asterisk (*) following a detect or limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.

3. ND = Not detected above the lab reporting limits shown in parenthesis.

4. -- No Standard or Guideline available.

5. Bolded values exceed at least one standard or guideline.

6. SMCL = Secondary Maximum Contaminant Level. MMCL = Massachusetts Maximum Contaminant Level. ORSG = Office of Research and Standards Guidelines. AWQC = Ambient Water Quality Criteria.

7. -- Parameter was not analyzed.

8. Two asterisks (**) after a date indicates groundwater within the particular monitoring well went dry prior to collecting the full sampling list.

Table 1 (Continued)
Summary of Groundwater & Surface Water Analytical Results
(2011 to Present)
West Brookfield Landfill
Wigwam Road, West Brookfield, Massachusetts

Parameter	SAMPLING LOCATION														Standards and Guidelines							
	MW-3							MW-3D														
Sampling Date	6/22/2011	12/14/2011	6/14/2012	12/1/2012	6/19/2013	3/19/2014	10/15/2014	10/26/2015	11/13/2015	6/22/2011	12/14/2011	6/14/2012	12/1/2012	6/19/2013	3/19/2014	10/15/2014	10/26/2015	SMCL	MMCL	ORSG	AWQC	
ASTM D516-90, 42 (mg/L)																						
SULFATE	9.2	10	9.4	10	9.4	13	11.9	12	--	13	15	14	15	15	11	17.1	17	250	--	--	--	
EP4 410.4 (mg/L)																						
CHEMICAL OXYGEN DEMAND	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	49	ND(25)	ND(15)	--	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	--	--	--	--	
SM 18-20 4500 NO ₃ F (mg/L)																						
NITRATE	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(1)	ND(0.050)	--	ND(0.050)	0.084	ND(0.050)	0.076	0.35	ND(0.050)	1.63	0.06	--	10	--	--	
SM 18-20 2320B (mg/L)																						
ALKALINITY	12	12	10	12	12	38	12	12	--	42	55	40	42	40	38	40	38	--	--	--	--	
SM 18-20 2540C (mg/L)																						
TOTAL DISSOLVED SOLIDS	38	58	60	82	64	64	42.7	ND(10)	--	28	82	98	66	52	60	74.7	10	500	--	--	--	
SM 18-20 4500 Cl, B (mg/L)																						
CHLORIDE	3.9	4.9	4.9	3.9	4.7	4.7	3.03	4.9	--	3.9	4.4	4.9	3.4	3.0	4.7	2.21	3.9	250	--	--	--	
SW 846 6010C (mg/L) Metals Digestion																						
ARSENIC	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	0.01	--	--	
BARIUM	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	--	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	--	2	--	--	
CADMUM	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	--	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	--	0.005	--	--	
CHROMIUM	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	0.1	--	--	
COPPER	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.012	ND(0.010)	ND(0.010)	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	1.3	--	--	
IRON	0.17	0.055	0.11	0.997	0.081	ND(0.050)	0.051	0.082	--	0.19	0.073	0.10	0.12	0.062	ND(0.050)	0.056	0.14	0.3	--	--	--	
LEAD	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	0.015	--	--	
MANGANESE	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	ND(0.010)	0.012	0.013	0.026	0.031	0.011	ND(0.010)	ND(0.010)	--	0.05	0.03	--	
SELENIUM	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.025)	ND(0.050)	--	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	--	0.05	--	--	
SILVER	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	--	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	--	0.1	--	--	
ZINC	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	--	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	--	5	--	--	
SW 846 7470.4 (mg/L) Metals Digestion																						
MERCURY	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	--	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	--	0.002	--	--	
SW 846 8260C (mg/L)																						
BENZENE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--	5	--	--	
CARBON DISULFIDE	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	--	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	--	--	--	--	
CHLOROBENZENE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--	100	--	--	
CHLOROETHANE	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	--	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	--	--	--	--	
CHLOROMETHANE	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	--	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	--	--	--	--	
1,1-DICHLOROETHANE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--	7	70	--	
CIS-2,2-DICHLOROETHYLENE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--	70	--	--	
DIETHYL ETHER	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	--	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	--	--	--	--	
1,4-DIOXANE	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	7.58	ND(0.2)	ND(50)*	ND(0.2)	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	--	0.3	--	--	
MTBE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--	20	--	70	
SW 846 9014 (mg/L)																						
CYANIDE	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	--	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	--	--	0.2		

- NOTES:
1. Samples collected by EndPoint personnel on date indicated.
 2. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.
 3. ND = Not detected above the lab reporting limits shown in parentheses.
 4. -- = No Standard or Guideline available.
 5. Bold values exceed at least one standard or guideline.
 6. SMCL = Secondary Maximum Contaminant Level. MMCL = Massachusetts Maximum Contaminant Level. ORSG = Office of Research and Standards Guidelines. AWQC = Ambient Water Quality Criteria.
 7. -- Parameter was not analyzed.
 8. Two asterisks (**) after a date indicates groundwater within the particular monitoring well went dry prior to collecting a full sampling list.

Table 1 (Continued)
Summary of Groundwater & Surface Water Analytical Results
(2011 to Present)
West Brookfield Landfill
Wigwam Road, West Brookfield, Massachusetts

Parameter	SAMPLING LOCATION												Standards and Guidelines							
	MW-4						MW-4A													
Sampling Date	6/22/2011	12/14/2011	6/14/2012	12/11/2012	6/19/2013	3/19/2014	10/15/2014	10/26/2015	6/22/2011	12/14/2011	6/14/2012	12/11/2012	6/19/2013	10/15/2014**	10/26/2015**	SMCL	MMCL	ORSG	AWQC	
<i>ASTM D516-90, 02 (mg/L)</i>																				
SULFATE	3.1	2.8	4.0	3.7	8.8	5.6	3.2	4.5	ND(2.0)	ND(2.0)	2.5	3.6	8.9	ND(2.0)	18	--	250	--	--	
<i>EPA 10.4 (mg/L)</i>																				
CHEMICAL OXYGEN DEMAND	ND(15)	ND(15)	ND(15)	ND(15)	ND(15)	ND(15)	NDG5	ND(15)	ND(15)	ND(15)	ND(15)	ND(15)	ND(15)	ND(15)	56	21	--	--	--	
SM18-20 4500 NO ₂ F (mg/L)																				
NITRATE	ND(0.050)	ND(0.050)	0.060	1.200	ND(0.050)	ND(0.050)	ND(1.0)	ND(0.050)	0.13	ND(0.050)	0.58	ND(0.050)	ND(0.050)	1.8	ND(1.0)	--	--	10	--	
SM18-20 2320B (mg/L)																				
ALKALINITY	2.1	ND(1.0)	ND(1.0)	5.5	ND(1.0)	1.4	2.0	ND(1.0)	1.0	3.0	6.0	ND(1.0)	1.6	1.9	--	--	--	--	--	
SM18-20 2540C (mg/L)																				
TOTAL DISSOLVED SOLIDS	160	60	44	90	46	68	97.3	42	18	24	72	140	10	80	141	--	500	--	--	
SM18-20 6500 CL ₂ B (mg/L)																				
CHLORIDE	26	31	37	33	4.7	29	46.8	41	13	12	16	39	5.2	15	51.8	--	250	--	--	
<i>SW-846 6010C (mg/L) Metals Digestion</i>																				
ARSENIC	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.005)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.01	--	
BARIUM	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.010)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	2	--	
CADMUM	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.020)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.005	--	
CHROMIUM	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.1	--	
COPPER	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	1	1.3	
IRON	0.20	0.071	0.054	0.5	ND(0.050)	3.5	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.078	0.37	ND(0.050)	0.089	0.26	--	--	0.3	--	
LEAD	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.015	--	
MANGANESE	0.679	0.30	0.23	0.66	0.11	0.665	0.025	0.018	ND(0.010)	0.015	0.011	0.21	ND(0.010)	0.012	--	--	0.05	0.03	--	
SELENIUM	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.25)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.05	--	
SILVER	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0077)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.1	--	
ZINC	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.010)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	5	--	
<i>SW-846 7470A (mg/L) Metals Digestion</i>																				
MERCURY	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.0002)	ND(0.0001)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	0.002	--	
<i>SW-846 2260C (mg/L)</i>																				
BENZENE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	5	--	
CARBON DISULFIDE	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	--	--	
CHLOROBENZENE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	--	--	
CHLOROETHANE	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	--	--	
CHLORMETHANE	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	--	--	
1,1-DICHLOROETHANE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	7	70	
CHS-1,2-DICHLOROETHYLENE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	70	--	
DIETHYL ETHER	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	--	--	
1,4-DIOXANE	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)*	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	0.3	--	
MTBE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	20	70	
<i>SW-846 9014 (mg/L)</i>																				
CYANIDE	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	--	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.2	--	

NOTES:

1. Samples collected by EndPoint personnel on date indicated.
2. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.
3. ND = Not detected above the lab reporting limits shown in parenthesis.
4. -- = No Standard or Guideline available.
5. Bolded values exceed at least one standard or guideline.
6. SMCL = Secondary Maximum Contaminant Level. MMCL = Massachusetts Maximum Contaminant Level. ORSG = Office of Research and Standards Guidelines. AWQC = Ambient Water Quality Criteria.
7. -- = Parameter was not analyzed.
8. Two asterisks (**) after a date indicates groundwater within the particular monitoring well went dry prior to collecting the full sampling list.

Table 1 (Continued)
Summary of Groundwater & Surface Water Analytical Results
(2011 to Present)
West Brookfield Landfill
Wigwam Road, West Brookfield, Massachusetts

Parameter	SAMPLING LOCATION												Standards and Guidelines									
	SW-1				SW-2				SW-3													
Sampling Date	6/22/2011	12/14/2011	6/14/2012	12/1/2012	6/19/2013	6/22/2011	12/14/2011	6/14/2012	12/1/2012	6/19/2013	3/19/2014	6/22/2011	12/14/2011	6/14/2012	12/1/2012	6/19/2013	3/19/2014	SMCL	MMCL	ORSG	AWQC	
ASTM D516-90, 42 (mg/L)																						
SULFATE	6.6	7.6	9.5	6.8	7.7	7.4	7.5	5.3	7.2	6.8	4.9	7.0	7.3	5.3	7.9	6.4	70	250	—	—		
EPA 410.4 (mg/L)																						
CHEMICAL OXYGEN DEMAND	59	25	ND(0.15)	ND(0.15)	20	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	45	ND(0.15)	18	ND(0.15)	ND(0.15)	ND(0.15)	17	ND(0.15)	—	—	—	—	
SM 18-20 4500 NO₂ F (mg/L)																						
NITRATE	ND(0.050)	0.063	ND(0.050)	ND(0.050)	ND(0.050)	0.19	ND(0.050)	—	10	—	—											
SM 18-20 2320B (mg/L)																						
ALKALINITY	3.2	3.0	ND(1.0)	1.0	1.6	2.1	1.0	2.5	ND(1.0)	1.6	ND(1.0)	2.1	ND(1.0)	1.0	1.0	7.4	ND(1.0)	—	—	—	—	
SM 18-20 2540C (mg/L)																						
TOTAL DISSOLVED SOLIDS	30	120	90	52	18	44	26	60	54	44	46	44	34	72	64	16	30	500	—	—	—	
SM 18-20 4500 Cl₂ B (mg/L)																						
CHLORIDE	2.9	59	29	3.4	18	7.0	8.3	10	6.8	9.4	9.1	9.2	8.8	10	9.6	8.9	11	250	—	—	—	
SW 446 6010C (mg/L) Metals Digestion																						
ARSENIC	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	—	0.01	—	
BARIUM	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	—	2	—	
CADMUM	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	ND(0.0040)	—	0.005	—	
CHROMIUM	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	—	0.1	—	
COPPER	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	—	1.3	—	
IRON	1.7	0.83	0.34	2.1	0.11	0.48	ND(0.050)	0.056	0.19	ND(0.050)	0.17	0.089	0.058	0.14	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	—	0.3	—	
LEAD	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	—	0.015	—	
MANGANESE	0.10	0.21	0.058	0.13	0.076	ND(0.010)	ND(0.010)	0.017	0.016	ND(0.010)	ND(0.010)	0.013	0.013	0.011	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.05	0.03	—	
SELENIUM	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	—	0.05	—	
SILVER	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	—	0.1	—	
ZINC	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	—	—	—	
SW 446 7470.4 (mg/L) Metals Digestion																						
MERCURY	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	ND(0.00010)	—	0.002	—	
SW 446 8260C (mg/L)																						
BENZENE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	—	5	—	
CARBON TESULFIDE	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	—	—	—
CHLOROBENZENE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	—	100	—
CHLOROETHANE	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	—	—	—
CHLOROMETHANE	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	—	—	—
1,1-DICHLOROETHANE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	—	7	70
CIS-2,2-DICHLOROETHYLENE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	—	70	—
DIETHYL ETHER	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	—	—	—
1,4-DIOXANE	ND(50) *	ND(50) *	ND(50) *	ND(50) *	ND(50) *	ND(50) *	ND(50) *	ND(50) *	ND(50) *	ND(50) *	ND(50) *	ND(50) *	ND(50) *	ND(50) *	ND(50) *	ND(50) *	ND(50) *	ND(50) *	ND(50) *	—	—	0.3
MTBE	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	20	—	70
SW 446 9014 (mg/L)																						
CYANIDE	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	—	0.2	—

NOTES:

1. Sample collected by EndPoint personnel on date indicated.
2. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.
3. ND = Not detected above the lab reporting limits shown in parentheses.
4. — = No Standard or Guideline available.
5. Bolded values exceed at least one standard or guideline.
6. SMCL = Secondary Maximum Contaminant Level. MMCL = Massachusetts Maximum Contaminant Level. ORSG = Office of Research and Standards Guidelines. AWQC = Ambient Water Quality Criteria.
7. — Parameter was not analyzed.
8. Two asterisks (**) after a date indicates groundwater within the particular monitoring well went dry prior to collecting a full sampling list.

EndPoint Project 2060-001
IRA Plan – West Brookfield Sanitary Landfill
West Brookfield, MA
March 18, 2016



FIGURES



0 1,000 2,000 4,000
APPROXIMATE SCALE IN FEET

Note: Figure based on Mass GIS USGS Topographic Map.

EndPoint
ENGINEERS & ENVIRONMENTAL PROFESSIONALS

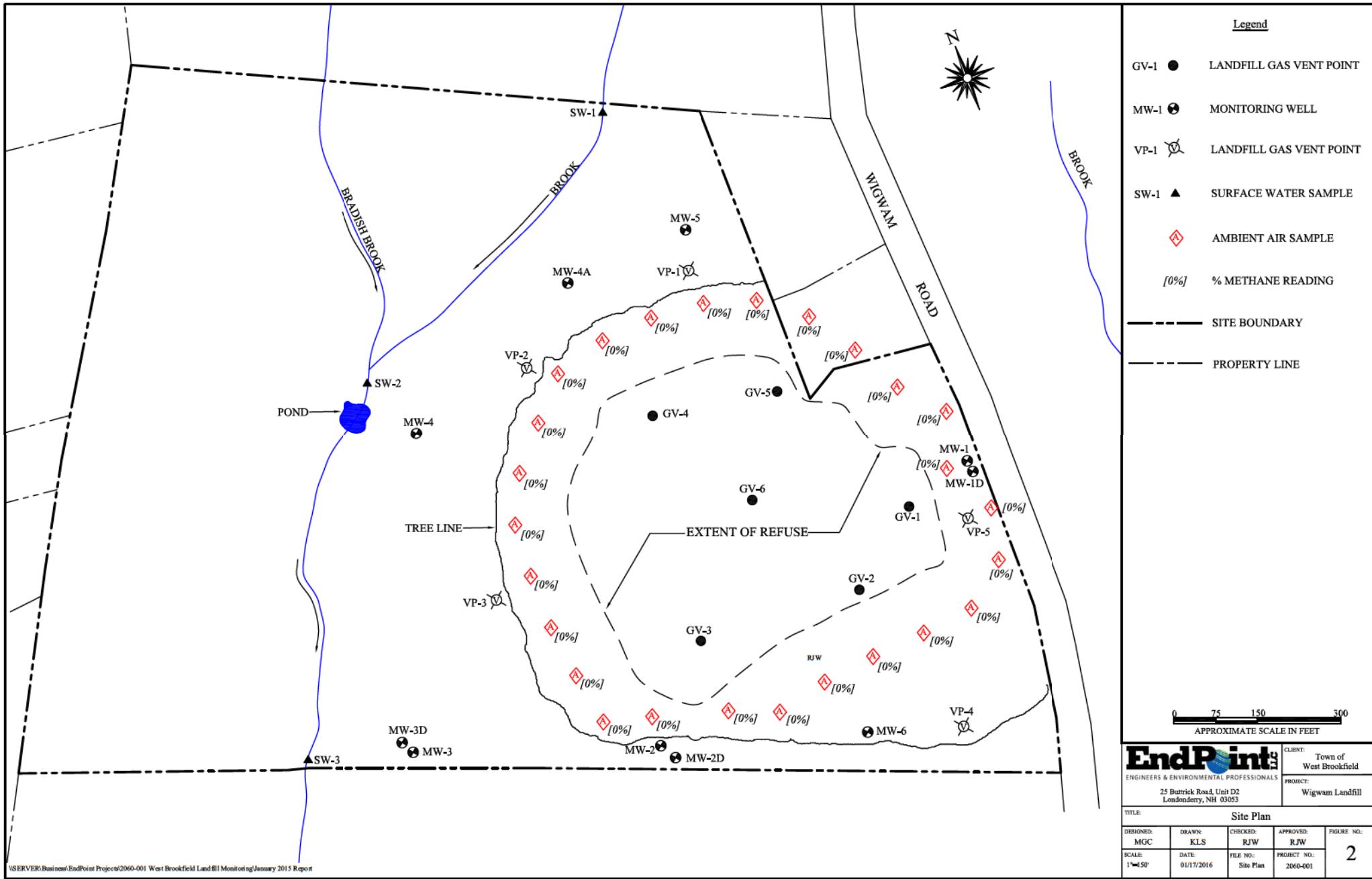
25 Buttrick Road, Unit D2
Londonderry, NH 03053

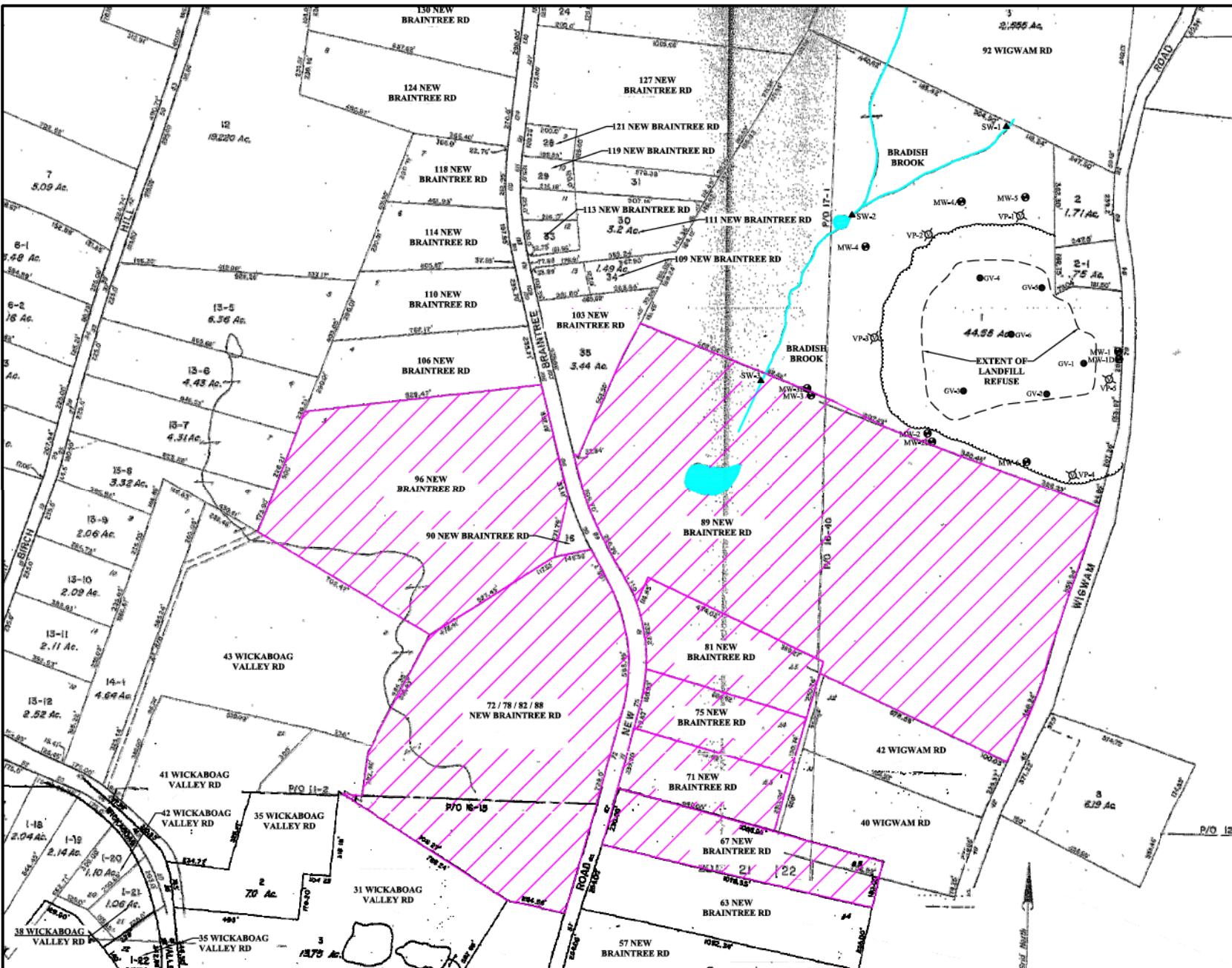
CLIENT:
Town of
West Brookfield

PROJECT:
Wigwam Landfill

TITLE:
Site Locus Map

DESIGNED:	DRAWN:	CHECKED:	APPROVED:	FIGURE NO.:
MGC	KL	CDM	CDM	
SCALE: 1"-2,000'	DATE: 3/20/2014	FILE NO.: locus	PROJECT NO.: 2060-001	1





Legend

- GV-1 ● LANDFILL GAS VENT POINT

MW-1 ● MONITORING WELL

VP-1 ○ LANDFILL GAS VENT POINT

SW-1 ▲ SURFACE WATER SAMPLE

— - - - SITE BOUNDARY

— - - - PROPERTY LINE

 RESIDENTIAL PROPERTIES
SAMPLED AS PART OF
INITIAL MAY 2014 SAMPLE
ROUND

**RESIDENTIAL PROPERTIES
SAMPLED AS PART OF
INITIAL MAY 2014 SAMPLE
ROUND**

EndPoints

25 Buttrick Road, Unit D2

TITLE: L-1611 Site Plan with Adjacent Residential Properties

Landfill Site Plan with Adjacent Residential Properties				
DESIGNED:	DRAWN:	CHECKED:	APPROVED:	FIGURE NO.:
KLS	KLS	RJW	RJW	3
SCALE:	DATE:	FILE NO.:	PROJECT NO.:	
Not to Scale	07/16/15	Site Plan	2060-001	

EndPoint Project 2060-001
IRA Plan – West Brookfield Sanitary Landfill
West Brookfield, MA
March 18, 2016



APPENDIX A

Limitations

LIMITATIONS

1. The conclusions and observations described in this response action document and associated with the Licensed Site Professional (LSP) opinion as part of the attached Bureau of Waste Site Cleanup form (LSP opinion) are based solely upon the services provided to the Client and under the conditions stated herein and in EndPoint's agreement with the Client. Neither EndPoint nor the LSP who signed the LSP opinion shall be liable for the presence of any condition, the discovery of which would have required the performance of services not undertaken by EndPoint or authorized by the Client.
2. In preparing this report, EndPoint may have relied upon certain information obtained by or from state, federal and local agencies; previous consultants or contractors; or the Client. EndPoint did not verify the completeness or accuracy of all information reviewed or received during the course of response actions and cannot itself guarantee or warrant the information provided by non-EndPoint sources.
3. The conclusions and LSP opinion in this report may have been based upon data obtained from a limited number of samples and/or subsurface explorations agreed upon by the Client. Sampling and/or explorations may have been widely spaced in distance and/or time. The adequacy of sample and/or exploration spacing may not become evident until further exploration is conducted. If inadequate sample and/or exploration spacing becomes evident, it will be necessary to re-evaluate the conclusions and LSP opinion of this report.
4. Visual inspections or observations may have been made of the site and site structures as indicated in the report. Where EndPoint was unable to observe or inspect portions of the site or structures, or access was limited or obstructed, EndPoint cannot render a conclusion or LSP opinion regarding the presence of oil and hazardous materials in that portion of the site or structure.
5. Surface and/or ground water levels may have been gauged and used to evaluate distribution, discharge and flow rate. It should be noted that fluctuations in the level or location of water may occur seasonally due to variations in precipitation or other factors different from those present at the time measurements were made. These changes may also cause seasonal variations in water quality measurements as well as variations in the movement and distribution of contaminants in the environment.

6. The conclusions and LSP opinion may be based in part upon various types of field screening and laboratory data, and are contingent upon its validity, accuracy and representativeness. The validity, accuracy and representativeness of these data may have been evaluated in accordance with the Massachusetts Department of Environmental Protection's policy. EndPoint or the LSP who signed the LSP opinion shall not be liable for equipment or laboratory errors that are typically not discovered during this evaluation. Also, it should be noted that variations in environmental conditions such as moisture can affect concentrations or levels of contaminants in the environment.
7. Chemical analyses have been performed for specific chemicals or parameters during the course of response actions as described in the report. EndPoint or the LSP is not liable for the presence of contaminants in environmental media not tested or searched for during the course of response actions.
8. The passage of time may result in changes in technology, regulatory standards, manifestation of latent conditions, or the occurrence of future events which could render the report conclusions or LSP opinion inaccurate, incomplete or inapplicable. Neither EndPoint nor the LSP shall be liable or responsible for the consequences of any changed circumstances or conditions on the accuracy of this report or LSP opinion.
9. Except as required under the Massachusetts Contingency Plan, this response document shall not be used or relied upon by any third-party without the written approval of EndPoint.
10. Should EndPoint or the LSP be required or requested to review additional information or defend a MassDEP audit, or authorize others to use this report after its submission date, EndPoint shall be entitled to additional compensation at then existing rates and terms as may be agreed upon between EndPoint and the Client. Nothing contained herein shall be deemed to require EndPoint or the LSP to undertake any such review or authorize others to use this report.
11. This report and opinion is rendered for the purpose of meeting Massachusetts Contingency Plan response action requirements for the Client, and should not be deemed to be an opinion concerning compliance of any past or present owner or operator of the site with any federal, state and local laws or regulations. Without limiting the generality of the foregoing, no warranty or guarantee is made that all contamination at the site or sources of contamination have been detected or identified, that any action or

recommended action will achieve all of its objectives, or that the report conclusions and LSP opinion, or any action as to which this LSP opinion relates will be upheld by any audit conducted by MassDEP or any other party.

EndPoint Project 2060-001
IRA Plan – West Brookfield Sanitary Landfill
West Brookfield, MA
March 18, 2016



APPENDIX B
BWSC Forms 103 and 105

**Massachusetts Department of Environmental Protection***Bureau of Waste Site Cleanup***RELEASE NOTIFICATION & NOTIFICATION
RETRACTION FORM**

Pursuant to 310 CMR 40.0335 and 310 CMR 40.0371 (Subpart C)

BWSC 103

Release Tracking Number

2

- 19699

A. RELEASE OR THREAT OF RELEASE LOCATION:

1. Release Name/Location Aid: WIGWAM LANDFILL

2. Street Address: WIGWAM RD

3. City/Town: WEST BROOKFIELD 4. ZIP Code: 015850000

5. Coordinates: a. Latitude: N 42.24964 b. Longitude: W 72.13275

B. THIS FORM IS BEING USED TO: (check one)

1. Submit a Release Notification
2. Submit a Revised Release Notification
3. Submit a Retraction of a Previously Reported Notification of a release or threat of release including supporting documentation required pursuant to 310 CMR 40.0335 (Section C is not required)

(All sections of this transmittal form must be filled out unless otherwise noted above)

C. INFORMATION DESCRIBING THE RELEASE OR THREAT OF RELEASE (TOR):

1. Date and time of Oral Notification, if applicable: 1/21/2016 Time: 01:57 AM PM
mm/dd/yyyy hh:mm

2. Date and time you obtained knowledge of the Release or TOR: 1/21/2016 Time: 01:57 AM PM
mm/dd/yyyy hh:mm

3. Date and time release or TOR occurred, if known: _____ Time: _____ AM PM
mm/dd/yyyy hh:mm

Check all Notification Thresholds that apply to the Release or Threat of Release:
(for more information see 310 CMR 40.0310 - 40.0315)**4. 2 HOUR REPORTING CONDITIONS** **5. 72 HOUR REPORTING CONDITIONS** **6. 120 DAY REPORTING CONDITIONS**

- | | | |
|--|---|---|
| <input type="checkbox"/> a. Sudden Release | <input type="checkbox"/> a. Subsurface Non-Aqueous Phase Liquid (NAPL) Equal to or Greater than 1/2 Inch (.04 feet) | <input type="checkbox"/> a. Release of Hazardous Material(s) to Soil or Groundwater Exceeding Reportable Concentration(s) |
| <input type="checkbox"/> b. Threat of Sudden Release | <input type="checkbox"/> b. Underground Storage Tank (UST) Release | <input type="checkbox"/> b. Release of Oil to Soil Exceeding Reportable Concentration(s) and Affecting More than 2 Cubic Yards |
| <input type="checkbox"/> c. Oil Sheen on Surface Water | <input type="checkbox"/> c. Threat of UST Release | <input type="checkbox"/> c. Release of Oil to Groundwater Exceeding Reportable Concentration(s) |
| <input type="checkbox"/> d. Poses Imminent Hazard | <input type="checkbox"/> d. Release to Groundwater near Water Supply | <input type="checkbox"/> d. Subsurface Non-Aqueous Phase Liquid (NAPL) Equal to or Greater than 1/8 Inch (.01 feet) and Less than 1/2 Inch (.04 feet) |
| <input type="checkbox"/> e. Could Pose Imminent Hazard | <input checked="" type="checkbox"/> e. Substantial Release Migration | |
| <input checked="" type="checkbox"/> f. Release Detected in Private Well | | |
| <input type="checkbox"/> g. Release to Storm Drain | | |
| <input type="checkbox"/> h. Sanitary Sewer Release
(Imminent Hazard Only) | | |



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup
**RELEASE NOTIFICATION & NOTIFICATION
RETRACTION FORM**
Pursuant to 310 CMR 40.0335 and 310 CMR 40.0371 (Subpart C)

BWSC 103

Release Tracking Number
2 - 19699

C. INFORMATION DESCRIBING THE RELEASE OR THREAT OF RELEASE (TOR): (cont.)

7. List below the Oils (O) or Hazardous Materials (HM) that exceed their Reportable Concentration (RC) or Reportable Quantity (RQ) by the greatest amount.

Check here if an amount or concentration is unknown or less than detectable.

O or HM Released	CAS Number, if known	O or HM	Amount or Concentration	Units	RCs Exceeded, if Applicable (RCS-1, RCS-2, RCGW-1, RCGW-2)
1,4-DIOXANE		HM	1.5	UG/L	RCGW-1

Check here if a list of additional Oil and Hazardous Materials subject to reporting, or any other documentation relating to this notification is attached.

D. PERSON REQUIRED TO NOTIFY:

1. Check all that apply: a. change in contact name b. change of address c. change in the person notifying

2. Name of Organization: ENDPOINT, LLC.

3. Contact First Name: KATIE 4. Last Name: SNYDER

5. Street: 25 BUTTRICK ROAD 6. Title: STAFF ENGINEER

7. City/Town: LONDONDERRY 8. State: NH 9. ZIP Code: 030530000

10. Telephone: 603-965-3810 11. Ext.: _____ 12. Email: ksnyder@endpointllc.com

13. Check here if attaching names and addresses of owners of properties affected by the Release or Threat of Release, other than an owner who is submitting this Release Notification (required).

E. RELATIONSHIP OF PERSON TO RELEASE OR THREAT OF RELEASE: Check here to change relationship

1. RP or PRP a. Owner b. Operator c. Generator d. Transporter

e. Other RP or PRP Specify: CONSULTANT TO PRP. NOT AN LSP.

2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

4. Any Other Person Otherwise Required to Notify Specify Relationship: _____



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup
**RELEASE NOTIFICATION & NOTIFICATION
RETRACTION FORM**
Pursuant to 310 CMR 40.0335 and 310 CMR 40.0371 (Subpart C)

BWSC 103

Release Tracking Number
2 - 19699

F. CERTIFICATION OF PERSON REQUIRED TO NOTIFY:

1. I, _____, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

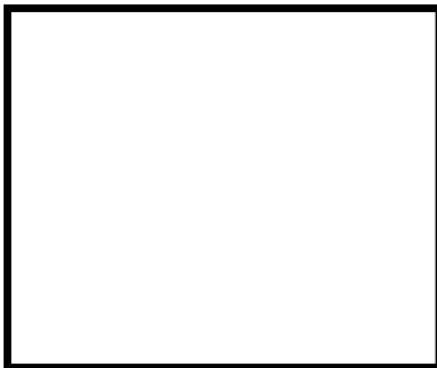
2. By : _____ 3. Title: STAFF ENGINEER
Signature
4. For: ENDPOINT, LLC. 5. Date : _____
(Name of person or entity recorded in Section D) mm/dd/yyyy

6. Check here if the address of the person providing certification is different from address recorded in Section D.

7. Street: _____
8. City/Town: _____ 9. State: _____ 10. ZIP Code: _____
11. Telephone: _____ 12. Ext.: _____ 13. Email: _____

YOU ARE SUBJECT TO ANNUAL COMPLIANCE ASSURANCE FEES FOR EACH BILLABLE YEAR FOR TIER CLASSIFIED DISPOSAL SITES. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (DEP USE ONLY):





Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

Immediate Response Action (IRA) Transmittal Form
Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

BWSC 105

Release Tracking Number

2

- 19699

A. SITE LOCATION:

1. Release Name/Location Aid: WIGWAM LANDFILL

2. Street Address: WIGWAM RD

3. City/Town: WEST BROOKFIELD 4. Zip Code: 015850000

5. Check here if this location is Adequately Regulated, pursuant to 310 CMR 40.0110-0114.

- a. CERCLA b. HSWA Corrective Action c. Solid Waste Management
 d. RCRA State Program (21C Facilities)

B. THIS FORM IS BEING USED TO: (check all that apply)

1. List Submittal Date of Initial IRA Written Plan (if previously submitted): _____

2. Submit an **Initial IRA Plan**.

3. Submit a **Modified IRA Plan** of a previously submitted written IRA Plan.

4. Submit an **Imminent Hazard Evaluation**. (check one)

- a. An Imminent Hazard exists in connection with this Release or Threat of Release.
 b. An Imminent Hazard does not exist in connection with this Release or Threat of Release.
 c. It is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release, and further assessment activities will be undertaken.
 d. It is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release. However, response actions will address those conditions that could pose an Imminent Hazard.

5. Submit a request to **Terminate an Active Remedial System or Response Action(s) Taken to Address an Imminent Hazard**.

6. Submit an **IRA Status Report**

7. Submit a **Remedial Monitoring Report**. (This report can only be submitted through eDEP.)

a. Type of Report: (check one) i. Initial Report ii. Interim Report iii. Final Report

b. Frequency of Submittal: (check all that apply)

- i. A Remedial Monitoring Report(s) submitted monthly to address an Imminent Hazard.
 ii. A Remedial Monitoring Report(s) submitted monthly to address a Condition of Substantial Release Migration.
 iii. A Remedial Monitoring Report(s) submitted every six months, concurrent with an IRA Status Report.
 iv. A Remedial Monitoring Report(s) submitted annually, concurrent with an IRA Status Report.

c. Number of Remedial Systems and/or Monitoring Programs: _____

A separate BWSC105A, IRA Remedial Monitoring Report, must be filled out for each Remedial System and/or Monitoring Program addressed by this transmittal form.



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

Immediate Response Action (IRA) Transmittal Form
Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

BWSC 105

Release Tracking Number

2 - 19699

8. Submit an IRA Completion Statement.

a. Check here if future response actions addressing this Release or Threat of Release notification condition will be conducted as part of the Response Actions planned or ongoing at a Site that has already been Tier Classified under a different Release Tracking Number (RTN)

b. Provide Release Tracking Number of Tier Classified Site (Primary RTN): _____

These additional response actions must occur according to the deadlines applicable to the Primary RTN. Use the Primary RTN when making all future submittals for the site unless specifically relating to this Immediate Response Action.

9. Submit a Revised IRA Completion Statement.

10. Submit a Plan for the Application of Remedial Additives near a sensitive receptor, pursuant to 310 CMR 40.0046(3).

(All sections of this transmittal form must be filled out unless otherwise noted above)

C. RELEASE OR THREAT OF RELEASE CONDITIONS THAT WARRANT IRA:

1. Media Impacted and Receptors Affected: (check all that apply)

- | | | | | | |
|--|--|---|---|--|----------------------------------|
| <input type="checkbox"/> d. Public Water Supply | <input checked="" type="checkbox"/> e. Surface Water | <input type="checkbox"/> f. Zone 2 | <input checked="" type="checkbox"/> g. Private Well | <input type="checkbox"/> h. Residence | <input type="checkbox"/> i. Soil |
| <input checked="" type="checkbox"/> j. Groundwater | <input type="checkbox"/> k. Sediments | <input type="checkbox"/> l. Wetland | <input type="checkbox"/> m. Storm Drain | <input type="checkbox"/> n. Indoor Air | <input type="checkbox"/> o. Air |
| <input type="checkbox"/> p. Soil Gas | <input type="checkbox"/> q. Sub-Slab Soil Gas | <input type="checkbox"/> r. Critical Exposure Pathway | <input type="checkbox"/> s. NAPL | <input type="checkbox"/> t. Unknown | |
| <input type="checkbox"/> r. Others Specify: _____ | | | | | |

2. Sources of the Release or TOR: (check all that apply)

- | | | | | | |
|--|--|-----------------------------------|--|-------------------------------------|---|
| <input type="checkbox"/> d. OHM Delivery | <input type="checkbox"/> e. AST | <input type="checkbox"/> f. Drums | <input type="checkbox"/> g. Tanker Truck | <input type="checkbox"/> h. Hose | <input type="checkbox"/> i. Line |
| <input type="checkbox"/> j. UST | Describe: _____ | | | <input type="checkbox"/> k. Vehicle | <input type="checkbox"/> l. Boat/Vessel |
| <input type="checkbox"/> m. Unknown | <input checked="" type="checkbox"/> n. Other: LANDFILL | | | | |

3. Type of Release or TOR: (check all that apply)

- | | | | | | |
|---|---|----------------------------------|-----------------------------------|--|--------------------------------------|
| <input type="checkbox"/> e. Rupture | <input type="checkbox"/> f. Vehicle Accident | <input type="checkbox"/> g. Leak | <input type="checkbox"/> h. Spill | <input type="checkbox"/> i. Test failure | <input type="checkbox"/> j. TOR Only |
| <input type="checkbox"/> k. UST Removal | Describe: _____ | | | | |
| <input type="checkbox"/> l. Unknown | <input checked="" type="checkbox"/> m. Other: SRM | | | | |

4. Identify Oils and Hazardous Materials Released: (check all that apply)

- c. Heavy Metals d. Others Specify: 1,4-DIOXANE

a. Oils b. Chlorinated Solvents

D. DESCRIPTION OF RESPONSE ACTIONS: (check all that apply, for volumes list cumulative amounts)

- | | |
|---|---|
| <input checked="" type="checkbox"/> 1. Assessment and/or Monitoring Only | <input type="checkbox"/> 2. Temporary Covers or Caps |
| <input type="checkbox"/> 3. Deployment of Absorbent or Containment Materials | <input type="checkbox"/> 4. Temporary Water Supplies |
| <input type="checkbox"/> 5. Structure Venting System/HVAC Modification System | <input type="checkbox"/> 6. Temporary Evacuation or Relocation of Residents |
| <input type="checkbox"/> 7. Product or NAPL Recovery | <input type="checkbox"/> 8. Fencing and Sign Posting |
| <input type="checkbox"/> 9. Groundwater Treatment Systems | <input type="checkbox"/> 10. Soil Vapor Extraction |
| <input type="checkbox"/> 11. Remedial Additives | <input type="checkbox"/> 12. Air Sparging |
| <input type="checkbox"/> 13. Active Exposure Pathway Mitigation System | <input type="checkbox"/> 14. Passive Exposure Pathway Mitigation System |



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

Immediate Response Action (IRA) Transmittal Form
Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

BWSC 105

Release Tracking Number

2 - 19699

D. DESCRIPTION OF RESPONSE ACTIONS: (cont.)

15. Excavation of Contaminated Soils.

<input type="checkbox"/> a. Re-use, Recycling or Treatment	<input type="checkbox"/> i. On Site	Estimated volume in cubic yards	_____	
	<input type="checkbox"/> ii. Off Site	Estimated volume in cubic yards	_____	
iiia. Receiving Facility: _____		Town: _____	State: _____	
iiib. Receiving Facility: _____		Town: _____	State: _____	
iiii. Describe: _____				
<input type="checkbox"/> b. Store	<input type="checkbox"/> i. On Site	Estimated volume in cubic yards	_____	
	<input type="checkbox"/> ii. Off Site	Estimated volume in cubic yards	_____	
iiia. Receiving Facility: _____		Town: _____	State: _____	
iiib. Receiving Facility: _____		Town: _____	State: _____	
<input type="checkbox"/> c. Landfill	<input type="checkbox"/> i. Cover	Estimated volume in cubic yards	_____	
Receiving Facility: _____		Town: _____	State: _____	
		<input type="checkbox"/> ii. Disposal	Estimated volume in cubic yards	_____
Receiving Facility: _____		Town: _____	State: _____	

16. Removal of Drums, Tanks, or Containers:

a. Describe Quantity and Amount:	_____	
b. Receiving Facility:	Town: _____	State: _____
c. Receiving Facility:	Town: _____	State: _____

17. Removal of Other Contaminated Media:

a. Specify Type and Volume: _____

18. Other Response Actions:

Describe: _____

19. Use of Innovative Technologies:

Describe: _____



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

Immediate Response Action (IRA) Transmittal Form
Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

BWSC 105

Release Tracking Number

2

- 19699

E. LSP SIGNATURE AND STAMP:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> if Section B of this form indicates that an **Immediate Response Action Plan** is being submitted, the response action(s) that is(are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is(are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that an **Imminent Hazard Evaluation** is being submitted, this Imminent Hazard Evaluation was developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and the assessment activity(ies) undertaken to support this Imminent Hazard Evaluation comply(ies) with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000;

> if Section B of this form indicates that an **Immediate Response Action Status Report** and/or a **Remedial Monitoring Report** is(are) being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that an **Immediate Response Action Completion Statement** or a request to **Terminate an Active Remedial System or Response Action(s) Taken to Address an Imminent Hazard** is being submitted, the response action(s) that is(are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is(are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: 5463

2. First Name: RICHARD J

3. Last Name: WOZMAK

4. Telephone: 603-965-3810

5. Ext:

6. Email:

7. Signature:

8. Date: _____ (*mm/dd/yyyy*)

9. LSP Stamp:



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

Immediate Response Action (IRA) Transmittal Form
Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

BWSC 105

Release Tracking Number

2 - 19699

F. PERSON UNDERTAKING IRA:

1. Check all that apply: a. change in contact name b. change of address c. change in the person undertaking response actions
2. Name of Organization: ENDPOINT, LLC
3. Contact First Name: KATIE 4. Last Name: SNYDER
5. Street: 25 BUTTRICK ROAD, UNIT D-2 6. Title: STAFF ENGINEER
7. City/Town: LONDONDERRY 8. State: NH 9. Zip Code: 030530000
10. Telephone: 603-965-3810 11. Ext: _____ 12. Email: ksnyder@endpointllc.com

G. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON UNDERTAKING IRA:

- Check here to change relationship
1. RP or PRP a. Owner b. Operator c. Generator d. Transporter
- e. Other RP or PRP Specify Relationship: CONSULTANT TO PRP. NOT AN LSP.
2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
4. Any Other Person Undertaking Response Actions: Specify Relationship: _____

H. REQUIRED ATTACHMENT AND SUBMITTALS:

1. Check here if any Remediation Waste, generated as a result of this IRA, will be stored, treated, managed, recycled or reused at the site following submission of the IRA Completion Statement. If this box is checked, you must submit one of the following plans, along with the appropriate transmittal form.
- a. A Release Abatement Measure (RAM) Plan (BWSC106) b. Phase IV Remedy Implementation Plan (BWSC108)
2. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by MassDEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.
3. Check here to certify that the Chief Municipal Officer and the Local Boardof Health were notified of the implementation of an Immediate Response Action taken to control, prevent, abate or eliminate an Imminent Hazard.
4. Check here to certify that the Chief Municipal Officer and the Local Boardof Health were notified of the submittal of a Completion Statement for an Immediate Response Action taken to control, prevent, abate or eliminate an Imminent Hazard.
5. Check here if any non-updatable information provided on this form is incorrect, e.g. Release Address/Location Aid. Send corrections to BWSC.eDEP@state.ma.us.
6. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

Immediate Response Action (IRA) Transmittal Form
Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

BWSC 105

Release Tracking Number

2

- 19699

I. CERTIFICATION OF PERSON UNDERTAKING IRA:

1. I, _____, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form; (ii) that, based on my inquiry of the/those individual(s) immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge, information and belief, true, accurate and complete; (iii) that, to the best of my knowledge, information and belief, I/the person(s) or entity(ies) on whose behalf this submittal is made satisfy(ies) the criteria in 310 CMR 40.0183(2); (iv) that I/the person(s) or entity(ies) on whose behalf this submittal is made have provided notice in accordance with 310 CMR 40.0183(5); and (v) that I am fully authorized to make this attestation on behalf of the person(s) or entity(ies) legally responsible for this submittal. I/the person(s) or entity(ies) on whose behalf this submittal is made is/are aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: _____ 3. Title: STAFF ENGINEER _____

4. For: ENDPOINT, LLC 5. Date: _____ (mm/dd/yyyy)

6. Check here if the address of the person providing certification is different from address recorded in Section F.

7. Street: _____

8. City/Town: _____ 9. State: _____ 10. Zip Code: _____

11. Telephone: _____ 12. Ext: _____ 13. Email: _____

YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (DEP USE ONLY):

EndPoint Project 2060-001
IRA Plan – West Brookfield Sanitary Landfill
West Brookfield, MA
March 18, 2016



APPENDIX C
Public Notification Letters



March 10, 2016

EndPoint Project No. 2060-001

Daniel and Janet McCall
105 North Main Street
Ware, MA 01082-1037

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

Dear Mr. and Mrs. McCall,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **103 New Braintree Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

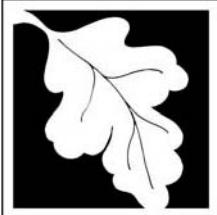
A handwritten signature in black ink that reads "Katie Snyder".

Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 103 New Braintree (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Daniel and Janet McCall

2. Street Address: 105 North Main Street

City/Town: Ware Zip Code: 01082

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 103 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Class C Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____
(specify) |

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 103 New Braintree Road., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



March 10, 2016

EndPoint Project No. 2060-001

Raymond and Deborah Chartier
106 New Braintree Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

Dear Mr. and Mrs. Chartier,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **106 New Braintree Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

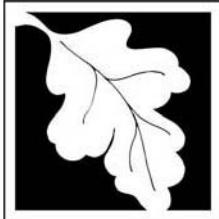
A handwritten signature in black ink that reads "Katie Snyder".

Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 106 New Braintree (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Raymond and Deborah Chartier

2. Street Address: 106 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 106 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Class C Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____ |

(specify)

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 106 New Braintree Road., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



March 10, 2016

EndPoint Project No. 2060-001

Jason N. Gregory
PO Box 1526
109 New Braintree Rd
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

Dear Mr. Gregory,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **109 New Braintree Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

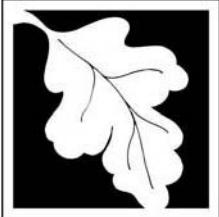
A handwritten signature in black ink that reads "Katie Snyder".

Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 109 New Braintree (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Jason N. Gregory

2. Street Address: PO Box 1526 (109 New Braintree Rd)

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 109 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action
- Release Abatement Measure
- Utility-related Abatement Measure
- Phase I Initial Site Investigation
- Phase II Comprehensive Site Assessment
- Phase III Feasibility Evaluation
- Phase IV Remedy Implementation Plan
- Phase V/Remedy Operation Status
- Post-Class C Operation, Maintenance and Monitoring
- Other _____

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 109 New Braintree Road., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



March 10, 2016

EndPoint Project No. 2060-001

Scott and Darla Shea
110 New Braintree Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

Dear Mr. and Mrs. Shea,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **110 New Braintree Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

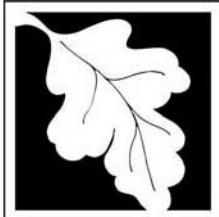
A handwritten signature in black ink that reads "Katie Snyder".

Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 110 New Braintree (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Scott and Darla Shea

2. Street Address: 110 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 110 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Class C Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____
(specify) |

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 110 New Braintree Road., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



March 10, 2016

EndPoint Project No. 2060-001

Dana and Pamela Searah
111 New Braintree Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

Dear Mr. and Mrs. Searah,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **111 New Braintree Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

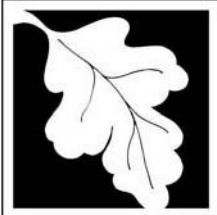
A handwritten signature in black ink that reads "Katie Snyder".

Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 111 New Braintree (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Dana and Pamela Searah

2. Street Address: 111 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 111 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Class C Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____
(specify) |

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 111 New Braintree Road., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



March 10, 2016

EndPoint Project No. 2060-001

John and Janet Foley
113 New Braintree Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

Dear Mr. and Mrs. Foley,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **113 New Braintree Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

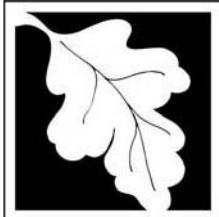
A handwritten signature in black ink that reads "Katie Snyder".

Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 113 New Braintree (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: John and Janet Foley

2. Street Address: 113 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 113 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Class C Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____
(specify) |

3. Description of property where sampling will be/has been conducted:

residential commercial industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 113 New Braintree Road., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



March 10, 2016

EndPoint Project No. 2060-001

Philip A. Chaffee
4 Grove Street
Brookfield, MA 01506

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

Dear Mr. Chaffee,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **119 New Braintree Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

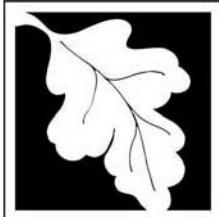
A handwritten signature in black ink, appearing to read "Katie Snyder".

Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 119 New Braintree (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Philip Chaffee

2. Street Address: 4 Grove Street

City/Town: Brookfield Zip Code: 01506

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 119 New Braintree Road (and 0 Off New Braintree Road)

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action
- Release Abatement Measure
- Utility-related Abatement Measure
- Phase I Initial Site Investigation
- Phase II Comprehensive Site Assessment
- Phase III Feasibility Evaluation
- Phase IV Remedy Implementation Plan
- Phase V/Remedy Operation Status
- Post-Class C Operation, Maintenance and Monitoring
- Other _____

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 119 New Braintree Road., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

March 10, 2016

EndPoint Project No. 2060-001

Timothy and Anne-Marie Nolan
PO Box 864
137 New Braintree Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

Dear Mr. and Mrs. Nolan,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **137 New Braintree Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

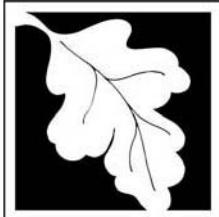


Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 137 New Braintree (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Timothy and Anne-Marie Nolan

2. Street Address: PO Box 864

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 137 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action
- Release Abatement Measure
- Utility-related Abatement Measure
- Phase I Initial Site Investigation
- Phase II Comprehensive Site Assessment
- Phase III Feasibility Evaluation
- Phase IV Remedy Implementation Plan
- Phase V/Remedy Operation Status
- Post-Class C Operation, Maintenance and Monitoring
- Other _____

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 137 New Braintree Road., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

March 10, 2016

EndPoint Project No. 2060-001

Coy Brook Land Trust, Inc.
C/O Phyllis P. Allen
45 Wigwam Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

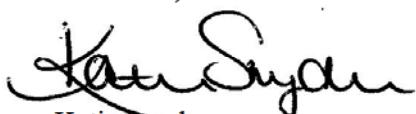
Dear Ms. Allen,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **150 North Main Street** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

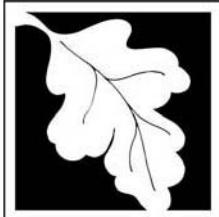


Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 150 N.Main St (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Coy Brook Land Trust, Inc.; C/O Phyllis P. Allen

2. Street Address: 45 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 150 North Main Street

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action Phase III Feasibility Evaluation
 Release Abatement Measure Phase IV Remedy Implementation Plan
 Utility-related Abatement Measure Phase V/Remedy Operation Status
 Phase I Initial Site Investigation Post-Class C Operation, Maintenance and Monitoring
 Phase II Comprehensive Site Assessment Other _____
(specify)

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 166 North Main St., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



March 10, 2016

EndPoint Project No. 2060-001

Nicholas Bayliss and Fariba Massah
166 North Main Street
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

Dear Mr. Bayliss and Ms. Massah,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **166 North Main Street** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

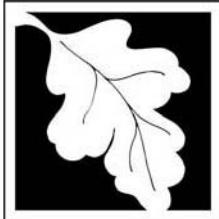
A handwritten signature in black ink, appearing to read "Katie Snyder".

Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 166 N. Main St (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Nicholas Bayliss and Fariba Massah

2. Street Address: 166 North Main Street

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 166 North Main Street

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action
- Release Abatement Measure
- Utility-related Abatement Measure
- Phase I Initial Site Investigation
- Phase II Comprehensive Site Assessment
- Phase III Feasibility Evaluation
- Phase IV Remedy Implementation Plan
- Phase V/Remedy Operation Status
- Post-Class C Operation, Maintenance and Monitoring
- Other _____

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 166 North Main St., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

March 10, 2016

EndPoint Project No. 2060-001

Alfred J. Astrella, Jr.
PO Box 112
40 Wigwam Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

Dear Mr. Astrella,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **40 Wigwam Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

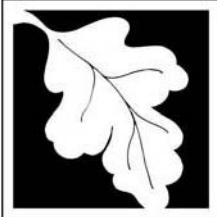


Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 40 Wigwam Rd (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Alfred J. Astrella, Jr.

2. Street Address: PO Box 112 (40 Wigwam Road)

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 40 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action
- Release Abatement Measure
- Utility-related Abatement Measure
- Phase I Initial Site Investigation
- Phase II Comprehensive Site Assessment
- Phase III Feasibility Evaluation
- Phase IV Remedy Implementation Plan
- Phase V/Remedy Operation Status
- Post-Class C Operation, Maintenance and Monitoring
- Other _____

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 40 Wigwam Rd., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



March 10, 2016

EndPoint Project No. 2060-001

John and Nancy Corbeil
42 Wigwam Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

Dear Mr. and Mrs. Corbeil,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **42 Wigwam Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

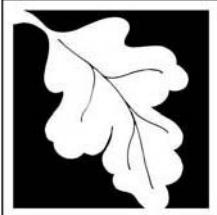
A handwritten signature in black ink that reads "Katie Snyder".

Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 42 Wigwam Rd (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: John and Nancy Corbeil

2. Street Address: 42 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 42 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action
- Release Abatement Measure
- Utility-related Abatement Measure
- Phase I Initial Site Investigation
- Phase II Comprehensive Site Assessment
- Phase III Feasibility Evaluation
- Phase IV Remedy Implementation Plan
- Phase V/Remedy Operation Status
- Post-Class C Operation, Maintenance and Monitoring
- Other _____ (specify)

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other _____ (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 42 Wigwam Rd., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

March 10, 2016

EndPoint Project No. 2060-001

Earle and Phyllis Allen
45 Wigwam Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

Dear Mr. and Mrs. Allen,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **45 Wigwam Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

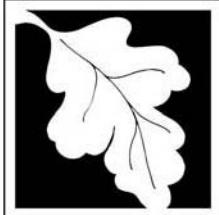


Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 45 Wigwam Rd (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Earle and Phyllis Allen

2. Street Address: 45 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 45 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action
- Release Abatement Measure
- Utility-related Abatement Measure
- Phase I Initial Site Investigation
- Phase II Comprehensive Site Assessment
- Phase III Feasibility Evaluation
- Phase IV Remedy Implementation Plan
- Phase V/Remedy Operation Status
- Post-Class C Operation, Maintenance and Monitoring
- Other _____ (specify)

3. Description of property where sampling will be/has been conducted:

residential commercial industrial school/playground Other _____ (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 45 Wigwam Rd., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



March 10, 2016

EndPoint Project No. 2060-001

Richard and Michelle Turnbull
63 New Braintree Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

Dear Mr. and Mrs. Turnbull,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **63 New Braintree Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

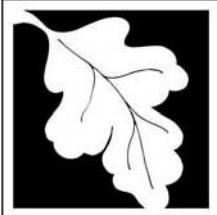
A handwritten signature in black ink, appearing to read "Katie Snyder".

Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 63 New Braintree (03-10-16).doc.docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Richard and Michelle Turnbull

2. Street Address: 63 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 63 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action Phase III Feasibility Evaluation
 Release Abatement Measure Phase IV Remedy Implementation Plan
 Utility-related Abatement Measure Phase V/Remedy Operation Status
 Phase I Initial Site Investigation Post-Class C Operation, Maintenance and Monitoring
 Phase II Comprehensive Site Assessment Other _____
(specify)

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 63 New Braintree Road., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



March 10, 2016

EndPoint Project No. 2060-001

Glenn and Regina Dobbins
67 New Braintree Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

Dear Mr. and Mrs. Dobbins,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **67 New Braintree Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

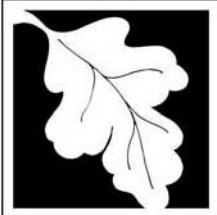
A handwritten signature in black ink, appearing to read "Katie Snyder".

Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 67 New Braintree (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Glenn and Regina Dobbins

2. Street Address: 67 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 67 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action Phase III Feasibility Evaluation
 Release Abatement Measure Phase IV Remedy Implementation Plan
 Utility-related Abatement Measure Phase V/Remedy Operation Status
 Phase I Initial Site Investigation Post-Class C Operation, Maintenance and Monitoring
 Phase II Comprehensive Site Assessment Other _____
(specify)

3. Description of property where sampling will be/has been conducted:

residential commercial industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 67 New Braintree Road., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

March 10, 2016

EndPoint Project No. 2060-001

Steven and Dorothy Bussiere
PO Box 184
71 New Braintree Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

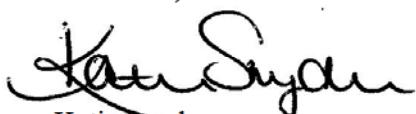
Dear Mr. and Mrs. Bussiere,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **71 New Braintree Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

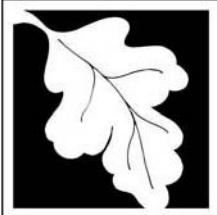


Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 71 New Braintree (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Steven and Dorothy Bussiere

2. Street Address: PO Box 184 (71 New Braintree Road)

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 71 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action
- Release Abatement Measure
- Utility-related Abatement Measure
- Phase I Initial Site Investigation
- Phase II Comprehensive Site Assessment
- Phase III Feasibility Evaluation
- Phase IV Remedy Implementation Plan
- Phase V/Remedy Operation Status
- Post-Class C Operation, Maintenance and Monitoring
- Other _____

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 71 New Braintree Road., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



March 10, 2016

EndPoint Project No. 2060-001

Anthony and Cheryl Woodman
72 New Braintree Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

Dear Mr. and Mrs. Woodman,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **72 New Braintree Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

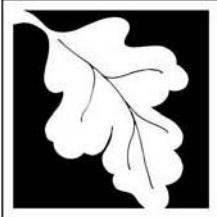
A handwritten signature in black ink that reads "Katie Snyder".

Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 72 New Braintree (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Anthony and Cheryl Woodman

2. Street Address: 72 New Braintree Road (with 78, 82, and 88 New Braintree)

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 72 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action
- Release Abatement Measure
- Utility-related Abatement Measure
- Phase I Initial Site Investigation
- Phase II Comprehensive Site Assessment
- Phase III Feasibility Evaluation
- Phase IV Remedy Implementation Plan
- Phase V/Remedy Operation Status
- Post-Class C Operation, Maintenance and Monitoring
- Other _____ (specify) _____

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other _____ (specify) _____

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 72 New Braintree Road., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

March 10, 2016

EndPoint Project No. 2060-001

Regina M. Morgan
PO Box 272
75 New Braintree Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

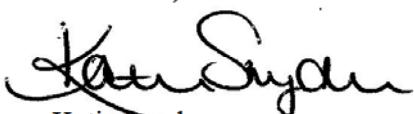
Dear Ms. Morgan,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **75 New Braintree Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

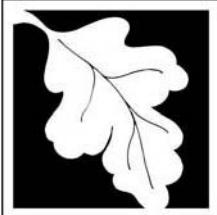


Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 75 New Braintree (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Regina M. Morgan

2. Street Address: PO Box 272 (75 New Braintree Road)

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 75 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action
- Release Abatement Measure
- Utility-related Abatement Measure
- Phase I Initial Site Investigation
- Phase II Comprehensive Site Assessment
- Phase III Feasibility Evaluation
- Phase IV Remedy Implementation Plan
- Phase V/Remedy Operation Status
- Post-Class C Operation, Maintenance and Monitoring
- Other _____

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 75 New Braintree Road., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

March 10, 2016

EndPoint Project No. 2060-001

Doug and Christine Gadaire
81 New Braintree Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

Dear Mr. and Mrs. Gadaire,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **81 New Braintree Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

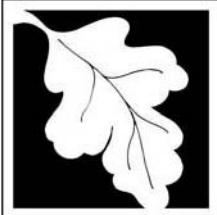


Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 81 New Braintree (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Doug and Christine Gadaire

2. Street Address: 81 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 81 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Class C Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____
(specify) |

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 81 New Braintree Road., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

March 10, 2016

EndPoint Project No. 2060-001

Wickaboag Sportsmen Club
Attn: Daniel Santos
PO Box 372
89 New Braintree Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

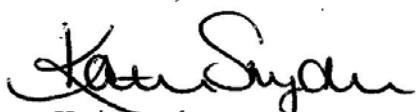
Dear Mr. Santos,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **89 New Braintree Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

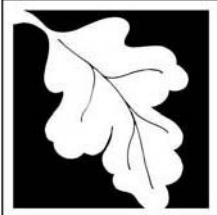


Katie Stryder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 89 New Braintree (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Dan Santos (Wickaboag Sportsmen Club)

2. Street Address: 89 North Main Street

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 89 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Class C Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____
(specify) |

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other Sportsmen Club
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 89 New Braintree Road., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

March 10, 2016

EndPoint Project No. 2060-001

Central New England Equine Rescue, Inc.
Attn: Betsy Johnson and/or Vicky Berry
96 New Braintree Road
West Brookfield, MA 01585

Re: Notice of Residential Sampling
Wigwam Landfill
West Brookfield, Massachusetts
Release Tracking Number (RTN) 2-19699

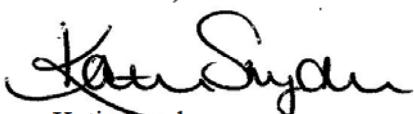
Dear Ms. Johnson and/or Ms. Berry,

EndPoint, LLC (EndPoint) is providing this sampling notice to you as required by the Massachusetts Contingency Plan (MCP) on behalf of our client, the West Brookfield Board of Health. EndPoint personnel will be sampling the drinking water supply well located at **96 New Braintree Road** as part of the drinking water sampling program related to Immediate Response Action (IRA) associated with the detections of 1,4-dioxane at Wigwam Landfill (the Site) and nearby residential drinking water wells.

EndPoint anticipates collecting samples on March 21 and 22, 2016 (Monday and Tuesday) and you will be provided with a copy of the laboratory analytical results within 30 days from the date we receive them from the laboratory. The enclosed MassDEP-designed form (BWSC 123) provides you with additional information related to this notification and the purpose of the notice.

Please feel free to contact me at (603) 965-3810 if you have any questions.

Sincerely,
EndPoint, LLC

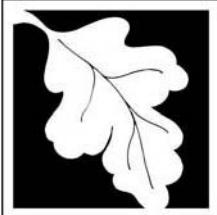


Katie Snyder
Staff Engineer

Attachments: Notice of Environmental Sampling (BWSC 123)

cc: Ms. Sarah Allen, West Brookfield Board of Health

\EndPoint Projects\2060-001 West Brookfield Landfill Monitoring\IRA 2016\Public Notification\PreSamp - 96 New Braintree (03-10-16).docx



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

2 19699

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 78 Wigwam Road

City/Town: West Brookfield Zip Code: 01585

B. This notice is being provided to the following party:

1. Name: Central New England Equine Rescue, Inc.

2. Street Address: 96 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 96 New Braintree Road

City/Town: West Brookfield Zip Code: 01585

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action
- Release Abatement Measure
- Utility-related Abatement Measure
- Phase I Initial Site Investigation
- Phase II Comprehensive Site Assessment
- Phase III Feasibility Evaluation
- Phase IV Remedy Implementation Plan
- Phase V/Remedy Operation Status
- Post-Class C Operation, Maintenance and Monitoring
- Other _____

3. Description of property where sampling will be/has been conducted:

residential commerical industrial school/playground Other Animal Rescue _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

*We anticipate sampling the drinking water supply well located at 96 New Braintree Road., from the base of the supply well storage tank.

E. Contact information related to the party providing this notice:

Contact Name: Katie Snyder; EndPoint, LLC

Street Address: 25 Buttrick Road, Unit D2

City/Town: Londonderry, NH Zip Code: 03053

Telephone: (603) 965-3810 Email: ksnyder@endpointllc.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

EndPoint Project 2060-001
IRA Plan – West Brookfield Sanitary Landfill
West Brookfield, MA
March 18, 2016



APPENDIX D

MassDEP GIS Map

MassDEP - Bureau of Waste Site Cleanup

Phase 1 Site Assessment Map: 500 feet & 0.5 Mile Radii

Site Information:

WEST BROOKFIELD (WIGWAM) LANDFILL
78 WIGWAM ROAD WEST BROOKFIELD, MA
2-000019699

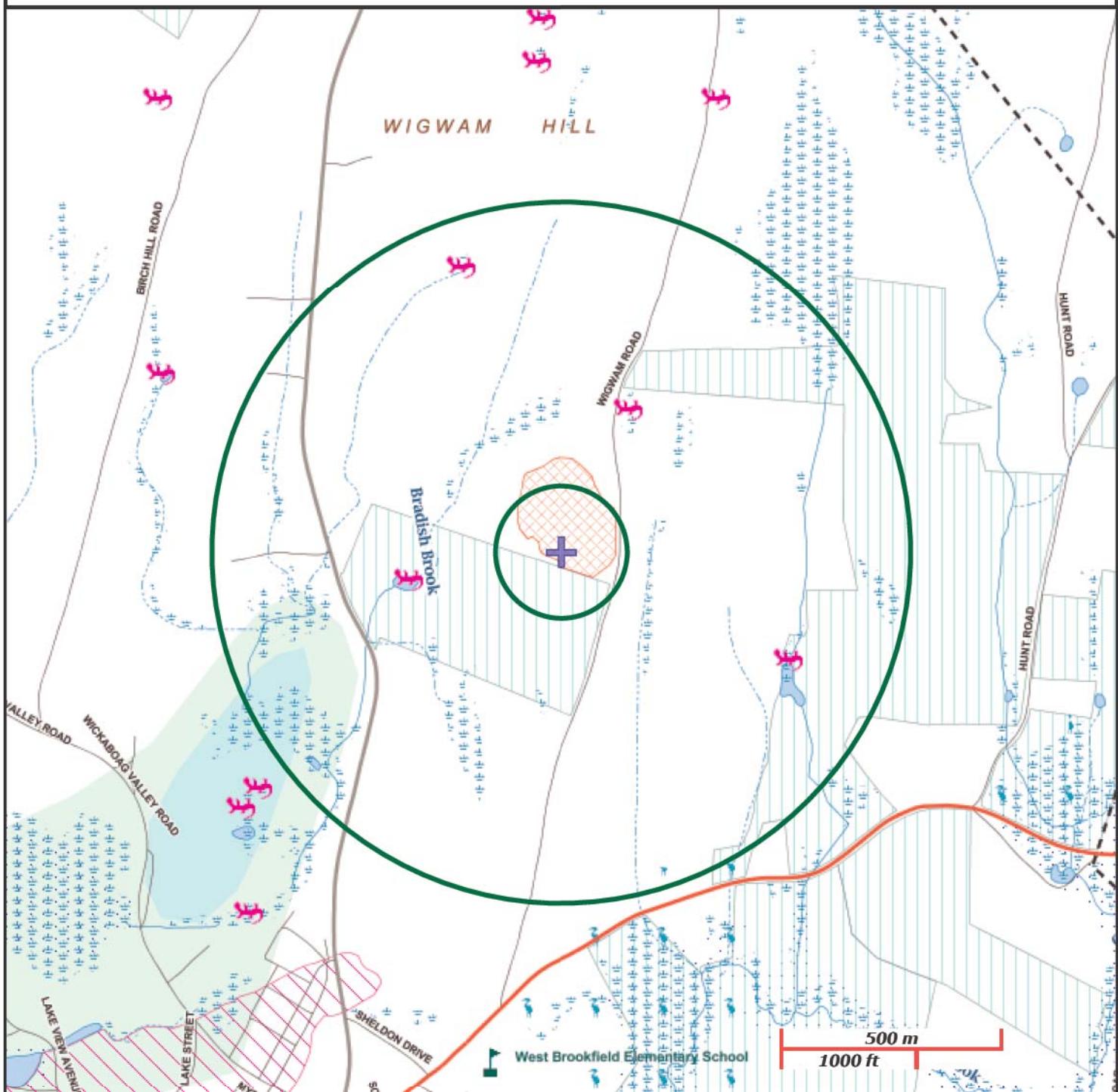
NAD83 UTM Meters:
4681425mN, 736582mE (Zone: 18)
March 16, 2016

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately responsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at: <http://www.mass.gov/mgis/>.



MassDEP

Commonwealth of Massachusetts
Department of Environmental Protection



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail



Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct



Basins: Major, PWS; Streams: Perennial, Intermittent, Man Made Shore, Dam



Aquifers: Medium Yield, High Yield, EPA Sole Source



Non Potential Drinking Water Source Area: Medium, High (Yield)

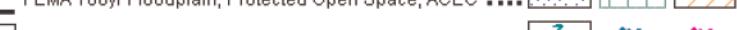
PWS Protection Areas: Zone II, IWPA, Zone A



Hydrography: Open Water, PWS Reservoir, Tidal Flat



Wetlands: Freshwater, Saltwater, Cranberry Bog



FEMA 100yr Floodplain; Protected Open Space; ACEC



Est. Rare Wetland Wildlife Hab; Vernal Pool: Cert, Potential



Solid Waste Landfill; PWS: Com.GW,SW, Emerg., Non-Com.



MassDEP - Bureau of Waste Site Cleanup

Phase 1 Site Assessment Map: 500 feet & 0.5 Mile Radii

Site Information:

WEST BROOKFIELD (WIGWAM) LANDFILL - WICKABOAG
89 NEW BRAINTREE ROAD WEST BROOKFIELD, MA
2-000019699

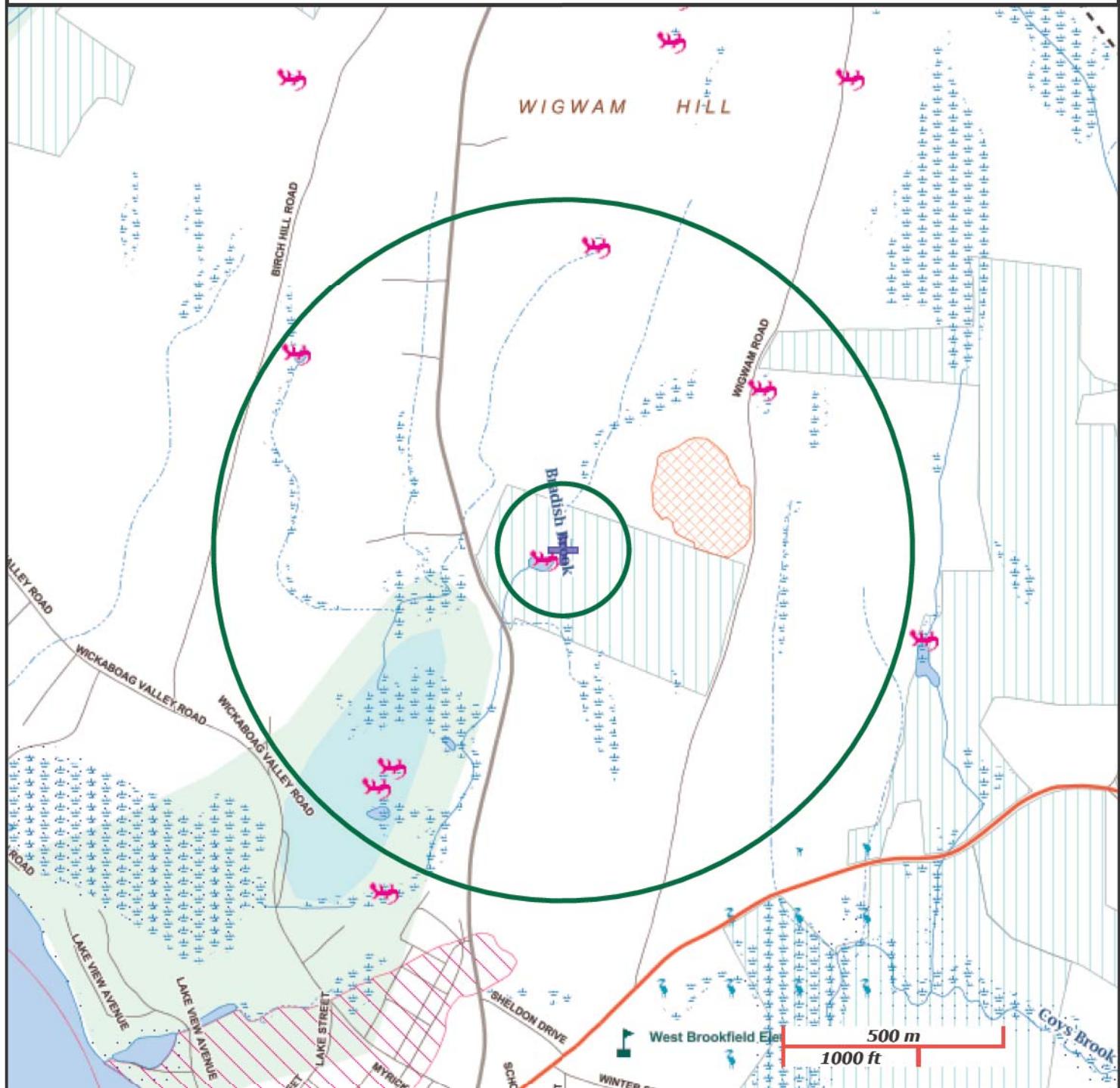
NAD83 UTM Meters:
4681375mN, 736277mE (Zone: 18)
March 16, 2016

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible DMR and LSP are ultimately responsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at: <http://www.mass.gov/mgis/>.



MassDEP

Commonwealth of Massachusetts
Department of Environmental Protection



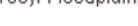
Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail



Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct



Basins: Major, PWS; Streams: Perennial, Intermittent, Man Made Shore, Dam



Aquifers: Medium Yield, High Yield, EPA Sole Source



Non Potential Drinking Water Source Area: Medium, High (Yield)

PWS Protection Areas: Zone II, IWPA, Zone A



Hydrography: Open Water, PWS Reservoir, Tidal Flat



Wetlands: Freshwater, Saltwater, Cranberry Bog



FEMA 100yr Floodplain; Protected Open Space; ACEC



Est. Rare Wetland Wildlife Hab; Vernal Pool: Cert, Potential



Solid Waste Landfill; PWS: Com.GW,SW, Emerg., Non-Com.

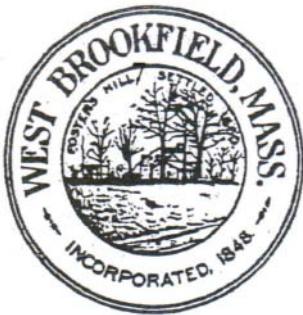


EndPoint Project 2060-001
IRA Plan – West Brookfield Sanitary Landfill
West Brookfield, MA
March 18, 2016



APPENDIX E

500-foot Radius Certified Abutter's List



BOARD OF ASSESSORS

P.O. BOX 372
WEST BROOKFIELD, MASSACHUSETTS 01585
508-867-1421 EXT 303

CERTIFIED ABUTTERS LIST

DATE: January 26, 2016

SUBJECT PROPERTY – 78 Wigwam Map 17 Lot 1 , 81 New Braintree Road map
Map 16 Lot 41, 89 New Braintree Road Map 16 Lot 40

OWNERS: Town of West Brookfield – (Map 17 Lot 1, Map 16 Lot 40)
Douglas & Christine Gadaire (Map 16 Lot 41)
WEST BROOKFIELD, MA 01585

PREPARED FOR: Katie Snyder – Staff Engineer
25 Buttrick Rd – Unit 2
Londonderry, NH 03053

PHONE: 603-965-3827

The following is a CERTIFIED list of abutters, owners of land directly opposite on any public or private street or way, and abutters to the abutters within 500 hundred feet of the property line, as they appear on the most recent applicable tax list.

PLEASE SEE ATTACHED

ABUTTERS LIST FOR 78 WIGWAM, 81 & 89 NEW BRAINTREE RD

Parcel Id	Parcel Year	Par Add No 1	Par Add St 1	Owner Name 1	Owner Name 2	Owner Addr 1	Owner City	Owner State	Owner Zip
323/011.0-0008-0000.0	2017	63	NEW BRAINTREE RD	TURNBULL RICHARD L	TURNBULL MICHELLE A	63 NEW BRAINTREE RD	W BROOKFIELD	MA	01585
323/011.0-0009-0000.0	2017	67	NEW BRAINTREE RD	DOBBINS GLENN K	DOBBINS REGINA	67 NEW BRAINTREE ROAD	W BROOKFIELD	MA	01585
323/016.0-0014-0000.0	2017	96	NEW BRAINTREE RD	CENTRAL NEW ENGLAND EQUINE RESCUE INC		96 NEW BRAINTREE ROAD	W BROOKFIELD	MA	01585
323/016.0-0014-0004.0	2017	106	NEW BRAINTREE RD	CHARTIER RAYMOND J	CHARTIER DEBORAH A	106 NEW BRAINTREE RD	W BROOKFIELD	MA	01585
323/016.0-0014-0005.0	2017	110	NEW BRAINTREE RD	SHEA SCOTT S	SHEA DARLA J	110 NEW BRAINTREE ROAD	W BROOKFIELD	MA	01585
323/016.0-0015-0001.0	2017	88	NEW BRAINTREE RD	WOODMAN ANTHONY M	WOODMAN CHERYL L	78 NEW BRAINTREE RD	W BROOKFIELD	MA	01585
323/016.0-0015-0002.0	2017	82	NEW BRAINTREE RD	WOODMAN ANTHONY M	WOODMAN CHERYL L	78 NEW BRAINTREE RD	W BROOKFIELD	MA	01585
323/016.0-0015-0003.0	2017	78	NEW BRAINTREE RD	WOODMAN ANTHONY M	WOODMAN CHERYL L	78 NEW BRAINTREE RD	W BROOKFIELD	MA	01585
323/016.0-0015-0004.0	2017	72	NEW BRAINTREE RD	WOODMAN ANTHONY M	WOODMAN CHERYL L	78 NEW BRAINTEE RD	W BROOKFIELD	MA	01585
323/016.0-0016-0000.0	2017	90	NEW BRAINTREE RD	TOWN OF WEST BROOKFIELD		P O BOX 372	W BROOKFIELD	MA	01585
323/016.0-0021-0000.0	2017	137	NEW BRAINTREE RD	NOLAN TIMOTHY J	NOLAN ANNE-MARIE	P O BOX 864	W BROOKFIELD	MA	01585
323/016.0-0029-0000.0	2017	119	NEW BRAINTREE RD	CHAFFEE PHILIP A		4 GROVE STREET	BROOKFIELD	MA	01506
323/016.0-0030-0000.0	2017	111	NEW BRAINTREE RD	SEARAH DANA B	SEARAH PAMELA M	111 NEW BRAINTREE RD	W BROOKFIELD	MA	01585
323/016.0-0031-0000.0	2017	0	OFF NEW BRAINTREE RD	CHAFFEE PHILIP A		4 GROVE STREET	BROOKFIELD	MA	01506
323/016.0-0033-0000.0	2017	113	NEW BRAINTREE RD	FOLEY JOHN J	FOLEY JANET M	113 NEW BRAINTREE RD	W BROOKFIELD	MA	01585
323/016.0-0034-0000.0	2017	109	NEW BRAINTREE RD	GREGORY JASON N		P O BOX 1526	W BROOKFIELD	MA	01585
323/016.0-0035-0000.0	2017	103	NEW BRAINTREE RD	MCCALL DANIEL C	MCCALL JANET	105 NORTH MAIN STREET	WARE	MA	01082-1037
323/016.0-0040-0000.0	2017	89	NEW BRAINTREE RD	TOWN OF WEST BROOKFIELD		P O BOX 372	W BROOKFIELD	MA	01585
323/016.0-0041-0000.0	2017	81	NEW BRAINTREE RD	GADAIRE DOUGLAS D	GADAIRE CHRISTINE D	81 NEW BRAINTREE ROAD	W BROOKFIELD	MA	01585
323/016.0-0042-0000.0	2017	75	NEW BRAINTREE RD	MORGAN REGINA M		P O BOX 272	W BROOKFIELD	MA	01585
323/016.0-0043-0000.0	2017	71	NEW BRAINTREE RD	BUSSIÈRE STEVEN D	BUSSIÈRE DOROTHY M	P O BOX 184	W BROOKFIELD	MA	01585
323/012.0-0025-0000.0	2017	124	NORTH MAIN STREET	COY BROOK LAND TRUST INC	C/O PHYLLIS P ALLEN	45 WIGWAM ROAD	W BROOKFIELD	MA	01585
323/012.0-0026-0000.0	2017	150	NORTH MAIN STREET	COY BROOK LAND TRUST INC	C/O PHYLLIS P ALLEN	45 WIGWAM ROAD	W BROOKFIELD	MA	01585
323/012.0-0027-0000.0	2017	166	NORTH MAIN STREET	BAYLISS NICHOLAS	MASSAH FARIBA	166 NORTH MAIN STREET	W BROOKFIELD	MA	01585
323/017.0-0008-0000.0	2017	45	WIGWAM ROAD	ALLEN EARLE I	ALLEN PHYLLIS P	45 WIGWAM ROAD	W BROOKFIELD	MA	01585
323/017.0-0017-0001.0	2017	40	WIGWAM ROAD	ASTRELLA ALFRED J JR.		P O BOX 112	W BROOKFIELD	MA	01585
323/017.0-0017-0002.0	2017	42	WIGWAM ROAD	CORBEIL JOHN J	CORBEIL NANCY L	42 WIGWAM ROAD	W BROOKFIELD	MA	01585

- > 72 New Braintree Road - Includes 78, 82, and 88 New Braintree Road.
- > 90 New Braintree Road is considered part of 89 New Braintree Road (Wickaboag Sportsmen Club).
- > 63 New Braintree Road and 124 North Main Street are on Town water. No private wells.
- > 0 Off New Braintree Rd is thought to be vacant land connected to 119 New Braintree Rd. Notice was not sent for that property but was sent to 119 New Braintree Rd.
- > 150 North Main Street does not contain a structure or a private well, according to the current owner.

EndPoint Project 2060-001
IRA Plan – West Brookfield Sanitary Landfill
West Brookfield, MA
March 18, 2016



APPENDIX F

Laboratory Analytical Reports

Monday, April 28, 2014

Katie Snyder
Endpoint
25 Buttrick Rd Unit D2
Londonderry NH 03053

Project Name: Wigwam Landfill

Lab ID: 14040236

Project #: 2060-001

Date Received: 4/21/2014

Project Location: W. Brookfield MA

Control #: 098188

Dear Katie Snyder

Enclosed please find the laboratory results for the above referenced samples that were received by the ChemServe sample custodian on the above referenced date. Any abnormalities to the samples upon receipt would be noted on the enclosed chain of custody document. This report is not valid without a completed chain of custody with the corresponding control number, attached.

All samples analyzed by ChemServe are subject to quality standards. These standards are as stringent or more stringent than those established under NELAC, 40 CFR Part 136, state certification programs, and corresponding methodologies. ChemServe has a written QA/QC Procedures Manual that outlines these standards, and is available for your reference, upon request. Unless otherwise stated on the Chain of Custody or within the report, all holding times, preservation techniques, container types, and analytical methods are analogous with those outlined by NELAC. All units are based on "as received" weight unless denoted "dry".

I certify that I have reviewed the above referenced analytical data and state forms, and I have found this report within compliance with the procedures outlined within NELAC. ChemServe's certified parameter list can be found at <http://www.chemservelab.com/Laboratory-Information-and-Documentation.aspx>

Jay Chrystal - President/Laboratory Director



MADEP MCP Analytical Method Report Certification and Case Narrative

Job Name:	Wigwam Landfill	Lab Number:	14040236
Job Number:	2060-001	Control Number:	98188
Location:	Wikaboag Sportsmen's Club, W. Brookfield	Client:	Endpoint

Sample Matrix: Soil Groundwater Drinking Water Combined

MCP SW-846	524.2 (X)	8270D ()	8082A ()	8081A ()	7470/7471 ()	9014 ()
Methods Used	8151A ()	EPH ()	VPH ()	6010C ()	7000 series ()	7196 ()

<i>An Affirmative response to questions A through F are required for "Presumptive Certainty" status</i>			Yes	No
A	Were all samples received in a condition consistent with those described on the chain of custody including proper preservation, lab and field temperatures plus prepared and analyzed within holding times?		X	
B	Were all analytical method(s) and associated QC requirements specified in the selected CAM protocols followed?		X	
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?		X	
D	Does the laboratory report comply with all the reporting requirements specified in CAM VIIA "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?		X	
E	EPH & VPH methods only: Was each method conducted without significant modification(s)?			
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative including all negative responses to questions A-F?		X	
<i>Responses to questions G, H & I are required for "Presumptive Certainty" status</i>				
G	Were all the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols?		X	
	<i>Data User Note: Data that achieve "Presumptive Certainty" status may not meet the data usability and representativeness requirements described in 310 CMR 40.1056 (2)(K) and WSC-07-350</i>			
H	Were all QC performance standards specified in the CAM protocol(s) achieved?		X	
I	Were results reported for the complete analyte list specified in the selected CAM protocols?		X	

Case Narrative Section

Inorganic / Metals Analysis Discussion: N/A

Pesticide / PCB Analysis Discussion: N/A

EPH / Semi-volatiles Discussion: N/A

VPH / Volatiles Discussion: N/A

Jay Chrystal, Laboratory Director

2 of 7

28Apr2014

Date

**8260B Volatile Method Blank Data**

Laboratory Number: 14040236 Date Analyzed: 4/24/2014

Method Blank Number: LCB042414dox Analyst: PF

Compound	Method Blank Result (ug/l)	SIM Detection Limit (ug/l)
1,4-Dioxane	<DL	0.2

Control Spike Number: LCS142414dox

Control Spike Compound Added	Concentration Added (ug/l)	LCS Recovery (ug/l)	Percent (%) Recovered
1,4-Dioxane	5.00	4	88%

Acceptable Percent Recoveries are 70-130%

Acceptable %RPD is ≤20%

LCSD Recovery (ug/l)	Percent (%) Recovered	Percent (%) RPD
5	91%	3.12%

Endpoint

Katie Snyder
 25 Buttrick Rd Unit D2
 Londonderry NH 03053

Control #: 098188
 Project Number: 2060-001
 Project Name: Wigwam Landfill
 Project Location: W. Brookfield MA

Lab ID: 14040236
Date: 4/28/2014

Lab ID: 14040236

Sample Receiving and Comment Summary

Were samples submitted with a chain of custody?	Yes
Do all samples received match the chain of custody?	Yes
Were all samples received within applicable holding times?	Yes
Were all containers intact when received?	Yes
Was there evidence of cooling if required?	Yes
Were samples for volatile organic analysis free of headspace (per method)?	N/A
Was the cooler temperature recorded if applicable?	Yes
If the sample pH was not correct was it adjusted where applicable?	Yes
Were samples for dissolved metals already filtered by the client or field sampling?	N/A
Were Samples for O-phos filtered in the field?	N/A
Were samples received in the appropriate containers?	Yes

Sample	Method	Client Identity	Matrix	Analyst
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14040236-001 EPA 524.2 SIM	Wikaboag Well	Drinking Water	PaulF
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Comment: no comment

* Blank comment sections denote "No Comment"



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(603) 673-5440
Sales@chemservelab.com

Endpoint

Katie Snyder
25 Buttrick Rd Unit D2
Londonderry NH 03053

Control #: 098188
Project Number: 2060-001
Project Name: Wigwam Landfill
Project Location: W. Brookfield MA

Analytical Results

Lab ID: 14040236
Date: 4/28/2014

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
14040236-001	EPA 524.2 SIM	Wikaboag Well	ug/L	Drinking Water	PaulF

Start Date/Time Sampled: 4/18/2014 8:20:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	123-91-1	3.22 ug/L		4/24/2014	1	0.2

Qualifier: Description:

- B- Method blank contaminated with target analyte.
B1- BOD had total oxygen loss. Result reported as ">" the highest dilution.
B2- BOD had no oxygen loss. Result reported as "<" the lowest dilution.
G- Reporting limit elevated due to matrix interference.
H- Method prescribed holding time exceeded.
J- Indicates an estimated value. Value is less than the quantitation limit.
LH- Laboratory control spike(s) was high. Results may be biased high.
LL- Laboratory control spike(s) was low. Results may be biased low.
MH- Matrix spike recovery high due to matrix. Results may be biased high.
ML- Matrix spike recovery low due to matrix. Results may be biased low.
NC- Spike recovery was not calculated due to the concentration of the analyte being >4 times the concentration of the spike added.
R- RPD outside acceptable recovery limits.
RO- Sample received out of holding time.
SH- Surrogate recovery high due to matrix
SL- Surrogate recovery low due to matrix
TNTC- Too numerous to count.
U- BOD/CBOD blank had an oxygen depletion greater than the suggested amount of 0.200.
V- Sample pH for volatile analysis was not <2 when checked at time of analysis.



Surrogate Report

Client: Endpoint

Order #: 14040236

Matrix: Drinking Water

Units:	ug/L	Method	Percent Recovery	Control Limits	Surrogate Amount	Surrogate Result
Sample Number	Surrogate					
14040236-001	4-Bromofluorobenzene	EPA 524.2 SIM	78	60-140	5	3.90

Chain of Custody No. 098188

Multiple COC's Yes No

ChemServe
ENVIRONMENTAL ANALYSTS

317 Elm Street Milford, NH 03055
(603) 673-5440/Fax (603) 673-0366

Tuesday, June 17, 2014

Revised Report

Courtney Moore
Endpoint
25 Buttrick Rd Unit D2
Londonderry NH 03053

Project Name: Wigwam Landfill

Lab ID: 14060073

Project #: 2060-001

Date Received: 6/6/2014

Project Location: W. Brookfield MA

Control #: 89357

Dear Courtney Moore

This revised report supercedes the original report pages for the above referenced Lab ID. The original Report was dated: 6/12/2014 and is superceded by this report dated: 6/17/2014

Please refer to the Comment Summary Page for revision explanations. Replace the original report that was issued with this revised report.

Enclosed please find the laboratory results for the above referenced samples that were received by the ChemServe sample custodian on the above referenced date. Any abnormalities to the samples upon receipt would be noted on the enclosed chain of custody document. This report is not valid without a completed ChemServe chain of custody with the corresponding control number, attached.

All samples analyzed by ChemServe are subject to quality standards. These standards are as stringent or more stringent than those established under NELAC, 40 CFR Part 136, state certification programs, and corresponding methodologies. ChemServe has a written QA/QC Procedures Manual that outlines these standards, and is available for your reference, upon request. Unless otherwise stated on the Chain of Custody or within the report, all holding times, preservation techniques, container types, and analytical methods are analogous with those outlined by NELAC. All units are based on "as received" weight unless denoted "dry".

I certify that I have reviewed the above referenced analytical data and state forms, and I have found this report within compliance with the procedures outlined within NELAC. ChemServe's certified parameter list can be found at <http://www.chemservelab.com/Laboratory-Information-and-Documentation.aspx>

Jay Chrystal - President/Laboratory Director

Endpoint

Courtney Moore
 25 Buttrick Rd Unit D2
 Londonderry NH 03053

Control #: 89357
 Project Number: 2060-001
 Project Name: Wigwam Landfill
 Project Location: W. Brookfield MA

Lab ID: 14060073
Date: 6/17/2014

Lab ID: 14060073

Sample Receiving and Comment Summary

Were samples submitted with a chain of custody?	Yes
Do all samples received match the chain of custody?	Yes
Were all samples received within applicable holding times?	Yes
Were all containers intact when received?	Yes
Was there evidence of cooling if required?	Yes
Were samples for volatile organic analysis free of headspace (per method)?	Yes
Was the cooler temperature recorded if applicable?	Yes
If the sample pH was not correct was it adjusted where applicable?	N/A
Were samples for dissolved metals already filtered by the client or field sampling?	N/A
Were Samples for O-phos filtered in the field?	Yes
Were samples received in the appropriate containers?	Yes

Sample	Method	Client Identity	Matrix	Analyst
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14060073-001 EPA 524.2 SIM	Trip Blank	Drinking Water	PaulF
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Comment: no comment

* Blank comment sections denote "No Comment"



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Endpoint		<u>Analytical Results</u>				
Courtney Moore		Control #:	89357			Lab ID: 14060073
25 Buttrick Rd Unit D2		Project Number:	2060-001			Date: 6/17/2014
Londonderry NH 03053		Project Name:	Wigwam Landfill			
		Project Location:	W. Brookfield MA			
Sample	Method	Client Sample Identity			Units	Matrix
14060073-001	EPA 524.2 SIM	Trip Blank			ug/L	Drinking Water PaulF
Start Date/Time Sampled: 6/4/2014 7:00:00 AM Composite End Date/Time:						
Parameter	CAS Number	Result		Qualifier	Date/Time Analyzed	Dilution Factor
1,4-Dioxane	123-91-1	< 0.2 ug/L			6/9/2014	1 0.2
Sample	Method	Client Sample Identity			Units	Matrix
14060073-002	EPA 524.2 SIM	72 New Braintree			ug/L	Drinking Water PaulF
Start Date/Time Sampled: 6/4/2014 11:20:00 AM Composite End Date/Time:						
Parameter	CAS Number	Result		Qualifier	Date/Time Analyzed	Dilution Factor
1,4-Dioxane	123-91-1	< 0.2 ug/L			6/9/2014	1 0.2
Sample	Method	Client Sample Identity			Units	Matrix
14060073-003	EPA 524.2 SIM	89 New Braintree			ug/L	Drinking Water PaulF
Start Date/Time Sampled: 6/4/2014 11:35:00 AM Composite End Date/Time:						
Parameter	CAS Number	Result		Qualifier	Date/Time Analyzed	Dilution Factor
1,4-Dioxane	123-91-1	3.69 ug/L			6/9/2014	1 0.2
Sample	Method	Client Sample Identity			Units	Matrix
14060073-004	EPA 524.2 SIM	71 New Braintree			ug/L	Drinking Water PaulF
Start Date/Time Sampled: 6/4/2014 9:35:00 AM Composite End Date/Time:						
Parameter	CAS Number	Result		Qualifier	Date/Time Analyzed	Dilution Factor
1,4-Dioxane	123-91-1	< 0.2 ug/L			6/9/2014	1 0.2
Sample	Method	Client Sample Identity			Units	Matrix
14060073-005	EPA 524.2 SIM	67 New Braintree			ug/L	Drinking Water PaulF
Start Date/Time Sampled: 6/4/2014 12:10:00 PM Composite End Date/Time:						
Parameter	CAS Number	Result		Qualifier	Date/Time Analyzed	Dilution Factor
1,4-Dioxane	123-91-1	< 0.2 ug/L			6/9/2014	1 0.2



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Sample	Method	Client Sample Identity	Units	Matrix	Analyst
14060073-006	EPA 524.2 SIM	75 New Braintree	ug/L	Drinking Water	PaulF

Start Date/Time Sampled: 6/4/2014 9:05:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	123-91-1	< 0.2 ug/L		6/9/2014	1	0.2

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
14060073-007	EPA 524.2 SIM	81 New Braintree	ug/L	Drinking Water	PaulF

Start Date/Time Sampled: 6/4/2014 10:00:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	123-91-1	< 0.2 ug/L		6/9/2014	1	0.2

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
14060073-008	EPA 524.2 SIM	96 New Braintree	ug/L	Drinking Water	PaulF

Start Date/Time Sampled: 6/4/2014 10:45:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	123-91-1	< 0.2 ug/L		6/9/2014	1	0.2

Qualifier: Description:

- B- Method blank contaminated with target analyte.
B1- BOD had total oxygen loss. Result reported as ">" the highest dilution.
B2- BOD had no oxygen loss. Result reported as "<" the lowest dilution.
G- Reporting limit elevated due to matrix interference.
H- Method prescribed holding time exceeded.
J- Indicates an estimated value. Value is less than the quantitation limit.
LH- Laboratory control spike(s) was high. Results may be biased high.
LL- Laboratory control spike(s) was low. Results may be biased low.
MH- Matrix spike recovery high due to matrix. Results may be biased high.
ML- Matrix spike recovery low due to matrix. Results may be biased low.
NC- Spike recovery was not calculated due to the concentration of the analyte being >4 times the concentration of the spike added.
R- RPD outside acceptable recovery limits.
RO- Sample received out of holding time.
SH- Surrogate recovery high due to matrix
SL- Surrogate recovery low due to matrix
TNTC- Too numerous to count.
U- BOD/CBOD blank had an oxygen depletion greater than the suggested amount of 0.200.
V- Sample pH for volatile analysis was not <2 when checked at time of analysis.



Surrogate Report

Client: Endpoint

Order #: 14060073

Matrix: Drinking Water

Units: ug/L		Method	Percent	Control	Surrogate	Surrogate
Sample Number	Surrogate		Recovery	Limits	Amount	Result
14060073-001	4-Bromofluorobenzene	EPA 524.2 SIM	78.6	60-140	5	3.93
14060073-002	4-Bromofluorobenzene	EPA 524.2 SIM	97.8	60-140	5	4.89
14060073-003	4-Bromofluorobenzene	EPA 524.2 SIM	103.6	60-140	5	5.18
14060073-004	4-Bromofluorobenzene	EPA 524.2 SIM	64.4	60-140	5	3.22
14060073-005	4-Bromofluorobenzene	EPA 524.2 SIM	92	60-140	5	4.60
14060073-006	4-Bromofluorobenzene	EPA 524.2 SIM	90.4	60-140	5	4.52
14060073-007	4-Bromofluorobenzene	EPA 524.2 SIM	123.6	60-140	5	6.18
14060073-008	4-Bromofluorobenzene	EPA 524.2 SIM	99.8	60-140	5	4.99

Chain of Custody No. 89357

Multiple COC's Yes No



317 Elm Street Milford, NH 03055
(603) 673-5440/Fax (603) 673-0366

CHAIN OF CUSTODY

A CUSTOMER INFORMATION		B PROJECT INFORMATION		C SAMPLE INFORMATION	
CUSTOMER: <u>End Point LLC</u>	ADDRESS: <u>25 Buttrick Rd.</u>	JOB NAME: <u>Wiggin UF Radon, CTI</u>	JOB NUMBER: <u>2060-001</u>	TURNAROUND TIME: (CIRCLE ONE): <input checked="" type="radio"/> 2 DAY STANDARD	RUSH
CITY/STATE/ZIP <u>Londonderry NH 03053</u>		LOCATION: <u>W Brookfield MA</u>	TELEPHONE: <u>603 965 3310</u>	MCP	<input type="checkbox"/> YES <input type="checkbox"/> GW1 <input type="checkbox"/> NO <input type="checkbox"/> GW2
REPORT TO:		CONTACT:		RUSH/T.A.T. _____ (CHECK w/LAB)	
P.O. NUMBER:		QUOTE NUMBER:		CONTAINER AND PRESERVATIVE VCA (HCL)	
STATION # <input type="radio"/>	SAMPLE IDENTIFICATION & LOCATION <input type="radio"/>	COLLECTED <input type="radio"/>	SAMPLE TYPE <input type="radio"/>	① MATRIX SOLID(S) LIQUID(L) COMBINED(C) HAZARD(H)	# OF CONTAINERS <input type="radio"/>
	TRIP BLANK	DATE <input type="radio"/> 10/4/94	TIME <input type="radio"/> 7:00	X	L 2 X
	71 New Braintree	DATE <input type="radio"/> 11	TIME <input type="radio"/> 11:30	X	L 2 X
	89 New Braintree	DATE <input type="radio"/> 11	TIME <input type="radio"/> 11:35	X	L 2 X
	67 New Braintree	DATE <input type="radio"/> 11	TIME <input type="radio"/> 12:10	X	L 2 X
	75 New Braintree	DATE <input type="radio"/> 11	TIME <input type="radio"/> 9:05	X	L 2 X
	81 New Braintree	DATE <input type="radio"/> 11	TIME <input type="radio"/> 10:00	X	L 2 X
	96 New Braintree	DATE <input type="radio"/> 11	TIME <input type="radio"/> 10:45	X	L 2 X
④ CUSTODY	SAMPLER: <u>Katie Snyder</u> (print name)	DATE	MILITARY TIME	SAMPLE CHECK LIST: RECEIVED WITHIN HOLD TIME <input checked="" type="checkbox"/> YES OR <input type="checkbox"/> NO	FIELD READINGS(S) & COMMENTS: * Distilled Water = low reporting limits
RELINQUISHED:	<u>Katie Snyder</u>	DATE <input type="radio"/> 10/4/94	TIME <input type="radio"/> 17:00	TEMP BLANK <input checked="" type="checkbox"/>	SHIPPED OR HAND DELIVERED <input checked="" type="checkbox"/>
RECEIVED:	<u>DH</u>	DATE <input type="radio"/> 10/5/94	TIME <input type="radio"/> 10:00	SAMPLES WERE PROPERLY PRESERVED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	Tripp Blank corrected @ location on site/chain with Distilled Water
RELINQUISHED:	<u>DH</u>	DATE <input type="radio"/> 10/4/94	TIME <input type="radio"/> 12:00	IF NO EXPLAIN:	Per Chemserve
RECEIVED FOR LAB:	<u>End Point LLC</u>		PARTIAL <input type="checkbox"/> GROUP # <u>14D60073</u>	6/9	

Monday, November 03, 2014

Katie Snyder
Endpoint
25 Buttrick Rd Unit D2
Londonderry NH 03053

Project Name: W. Brookfield / Wigwam LF

Lab ID: 14100161

Project #: 2060-001

Date Received: 10/16/2014

Project Location: W. Brookfield MA

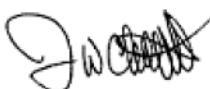
Control #: 098648 & 099671

Dear Katie Snyder

Enclosed please find the laboratory results for the above referenced samples that were received by the ChemServe sample custodian on the above referenced date. Any abnormalities to the samples upon receipt would be noted on the enclosed chain of custody document. This report is not valid without a completed chain of custody with the corresponding control number, attached.

All samples analyzed by ChemServe are subject to quality standards. These standards are as stringent or more stringent than those established under NELAC, 40 CFR Part 136, state certification programs, and corresponding methodologies. ChemServe has a written QA/QC Procedures Manual that outlines these standards, and is available for your reference, upon request. Unless otherwise stated on the Chain of Custody or within the report, all holding times, preservation techniques, container types, and analytical methods are analogous with those outlined by NELAC. All units are based on "as received" weight unless denoted "dry".

I certify that I have reviewed the above referenced analytical data and state forms, and I have found this report within compliance with the procedures outlined within NELAC. ChemServe's certified parameter list can be found at <http://www.chemservelab.com/Laboratory-Information-and-Documentation.aspx>



Jay Chrystal - President/Laboratory Director

MADEP MCP Analytical Method Report Certification and Case Narrative

Job Name:	Wigwam LF	Lab Number:	14100161
Job Number:	2060-001	Control Number:	98648,99671
Location:	W. Brookfield	Client:	Endpoint

Sample Matrix:	<input type="checkbox"/> Soil	<input checked="" type="checkbox"/> Groundwater	<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Combined
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MCP SW-846	8260C <input checked="" type="checkbox"/>	8270D <input type="checkbox"/>	8082A <input type="checkbox"/>	8081A <input type="checkbox"/>	7470/7471 <input checked="" type="checkbox"/>	9014 <input type="checkbox"/>
Methods Used	8151A <input type="checkbox"/>	EPH <input type="checkbox"/>	VPH <input type="checkbox"/>	6010C <input checked="" type="checkbox"/>	7000 series <input type="checkbox"/>	7196 <input type="checkbox"/>

	<i>An Affirmative response to questions A through F are required for "Presumptive Certainty" status</i>	Yes	No
A	Were all samples received in a condition consistent with those described on the chain of custody including proper preservation, lab and field temperatures plus prepared and analyzed within holding times?	X	
B	Were all analytical method(s) and associated QC requirements specified in the selected CAM protocols followed?	X	
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X	
D	Does the laboratory report comply with all the reporting requirements specified in CAM VIIA "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X	
E	EPH & VPH methods only: Was each method conducted without significant modification(s)?		
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative including all negative responses to questions A-F?	X	
	<i>Responses to questions G, H & I are required for "Presumptive Certainty" status</i>		
G	Were all the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols?	X	
	<i>Data User Note: Data that achieve "Presumptive Certainty" status may not meet the data usability and representativeness requirements described in 310 CMR 40.1056 (2)(K) and WSC-07-350</i>		
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	X	
I	Were results reported for the complete analyte list specified in the selected CAM protocols?	X	

Case Narrative Section

Inorganic / Metals Analysis Discussion: N/A

Pesticide / PCB Analysis Discussion: N/A

EPH / Semi-volatiles Discussion: N/A

VPH / Volatiles Discussion: High surrogate recoveries in SIM analysis associated with non-detect samples.

Jay Chrystal, Laboratory Director

2 of 41

3Nov2014

Date

Laboratory Number:	14100161	Date Analyzed:	10/20/2014
Method Blank Number	102014	Analyst:	JF

Compound	Method Blank Result (ug/l)	Detection Limit (ug/l)	Compound	Method Blank Result (ug/l)	Detection Limit (ug/l)
Vinyl Chloride	<DL	1.0	4-Methyl-2-Pentanone	<DL	10
Dichlorodifluoromethane	<DL	1.0	1,3-Dichloropropane	<DL	1.0
Chloromethane	<DL	1.0	Toluene	<DL	1.0
1,1-Dichloroethene	<DL	1.0	Trans-1,3-Dichloropropene	<DL	1.0
Bromomethane	<DL	1.0	1,1,2-Trichloroethane	<DL	1.0
Chloroethane	<DL	1.0	Tetrachloroethene	<DL	1.0
Trichlorofluoromethane	<DL	1.0	2-Hexanone	<DL	10
Diethyl Ether	<DL	1.0	1,1,1,2-Tetrachloroethane	<DL	1.0
Acrolein	<DL	5.0	Dibromochloromethane	<DL	1.0
Acetone	<DL	10	1,2-Dibromoethane	<DL	1.0
Carbon Disulfide	<DL	1.0	M/P-Xylene	<DL	1.0
Trans-1,2-Dichloroethene	<DL	1.0	Chlorobenzene	<DL	1.0
2-Methyl-2-Propanol (TBA)	<DL	20	O-Xylene	<DL	1.0
Methylene Chloride	<DL	2.0	Ethylbenzene	<DL	1.0
Acrylonitrile	<DL	5.0	1,1,2,2-Tetrachloroethane	<DL	1.0
Di-Isopropyl Ether	<DL	1.0	1,2,3-Trichloropropane	<DL	1.0
2-Methoxy-2-Methyl Propane (MTBE)	<DL	1.0	Styrene	<DL	1.0
Cis-1,2-Dichloroethene	<DL	1.0	Bromoform	<DL	1.0
2-Ethoxy-2-Methyl Propane (ETBE	<DL	1.0	1,2,4-Trimethylbenzene	<DL	1.0
1,1-Dichloroethane	<DL	1.0	Bromobenzene	<DL	1.0
2-Methoxy-2-Methyl Butane (TAME	<DL	1.0	1,2-Dichlorobenzene	<DL	1.0
2-Butanone	<DL	10	N-Propylbenzene	<DL	1.0
1,1-Dichloropropene	<DL	1.0	2-Chlorotoluene	<DL	1.0
2,2-Dichloropropane	<DL	1.0	4-Chlorotoluene	<DL	1.0
1,2-Dichloroethane	<DL	1.0	Tert-Butylbenzene	<DL	1.0
Bromochloromethane	<DL	1.0	Isopropylbenzene	<DL	1.0
Chloroform	<DL	1.0	1,3,5-Trimethylbenzene	<DL	1.0
Tetrahydrofuran	<DL	2.0	1,2-Dibromo-3-Chloropropane	<DL	1.0
1,1,1-Trichloroethane	<DL	1.0	Sec-Butylbenzene	<DL	1.0
Carbon Tetrachloride	<DL	1.0	1,3-Dichlorobenzene	<DL	1.0
Benzene	<DL	1.0	4-Isopropyltoluene	<DL	1.0
Trichloroethene	<DL	1.0	1,4-Dichlorobenzene	<DL	1.0
1,2-Dichloropropane	<DL	1.0	N-Butylbenzene	<DL	1.0
Dibromomethane	<DL	1.0	Naphthalene	<DL	1.0
Bromodichloromethane	<DL	0.6	1,2,4-Trichlorobenzene	<DL	1.0
2-Chloroethyl Vinyl Ether	<DL	10	Hexachlorobutadiene	<DL	0.5
Cis-1,3-Dichloropropene	<DL	1.0	1,2,3-Trichlorobenzene	<DL	1.0
1,4 Dioxane	<DL	20.0	1,3,5-Trichlorobenzene	<DL	1.0

SIM Compounds (if requested)

Surrogate Compound	Recovery (ug/l)	Percent (%) Recovered	Surrogate Recovery Range
4-Bromofluorobenzene	19.81	99.1%	70-130%
Dibromofluoromethane	18.44	92.2%	70-130%
Toluene-d ₈	19.45	97.3%	70-130%

Expected Concentration
of Surrogate in ug/l

20

Laboratory Number:	14100161	Date Analyzed:	10/20/2014			
Control Spike Number:	LCS202014	Analyst:	JF			
Control Spike Compound Added	Concentration Added (ug/l)	LCS Recovery (ug/l)	Percent (%) Recovered	LCSD Recovery (ug/l)	Percent (%) Recovered	Percent (%) RPD
Vinyl Chloride	20	21	105%	17	85%	21.05%
Dichlorodifluoromethane	20	19	95%	18	90%	5.41%
Chloromethane	20	29	145%	17	85%	52.17%
1,1-Dichloroethene	20	19	95%	17	85%	11.11%
Bromomethane	20	21	105%	19	95%	10.00%
Chloroethane	20	20	100%	19	95%	5.13%
Trichlorofluoromethane	20	18	90%	17	85%	5.71%
Diethyl Ether	20	17	85%	16	80%	6.06%
Acrolein	20	20	100%	18	90%	10.53%
Acetone	50	54	108%	49	98%	9.71%
Carbon Disulfide	20	18	90%	17	85%	5.71%
Trans-1,2-Dichloroethene	20	18	90%	16	80%	11.76%
2-Methyl-2-Propanol (TBA)	100	94	94%	86	86%	8.89%
Methylene Chloride	20	23	115%	22	110%	4.44%
Acrylonitrile	20	20	100%	18	90%	10.53%
Di-Isopropyl Ether	20	19	95%	17	85%	11.11%
2-Methoxy-2-Methyl Propane (MTBE)	40	19	48%	19	48%	0.00%
Cis-1,2-Dichloroethene	20	16	80%	15	75%	6.45%
2-Ethoxy-2-Methyl Propane (ETBE)	20	19	95%	17	85%	11.11%
1,1-Dichloroethane	20	18	90%	16	80%	11.76%
2-Methoxy-2-Methyl Butane (TAME)	20	19	95%	18	90%	5.41%
2-Butanone	50	47	94%	51	102%	8.16%
1,1-Dichloropropene	20	19	95%	18	90%	5.41%
2,2-Dichloropropene	20	18	90%	18	90%	0.00%
1,2-Dichloroethane	20	19	95%	18	90%	5.41%
Bromochloromethane	20	20	100%	20	100%	0.00%
Chloroform	20	17	85%	15	75%	12.50%
Tetrahydrofuran	20	17	85%	16	80%	6.06%
1,1,1-Trichloroethane	20	18	90%	17	85%	5.71%
Carbon Tetrachloride	20	19	95%	18	90%	5.41%
Benzene	20	19	95%	18	90%	5.41%
Trichloroethene	20	19	95%	18	90%	5.41%
1,2-Dichloropropane	20	18	90%	18	90%	0.00%
Dibromomethane	20	19	95%	18	90%	5.41%
Bromodichloromethane	20	18	90%	18	90%	0.00%
1,4-Dioxane	20	35	175%	22	110%	45.61%
2-Chloroethyl Vinyl Ether	20	16	80%	17	85%	6.06%
Cis-1,3-Dichloropropene	20	20	100%	19	95%	5.13%
4-Methyl-2-Pentanone	50	45	90%	47	94%	4.35%
1,3-Dichloropropane	20	20	100%	20	100%	0.00%
Toluene	20	18	90%	18	90%	0.00%
Trans-1,3-Dichloropropene	20	20	100%	19	95%	5.13%
1,1,2-Trichloroethane	20	18	90%	17	85%	5.71%
Tetrachloroethene	20	20	100%	20	100%	0.00%
2-Hexanone	50	46	92%	46	92%	0.00%
1,1,1,2-Tetrachloroethane	20	18	90%	18	90%	0.00%
Dibromochloromethane	20	18	90%	18	90%	0.00%
1,2-Dibromoethane	20	19	95%	19	95%	0.00%
M/P-Xylene	40	19	48%	35	88%	59.26%
Chlorobenzene	20	19	95%	18	90%	5.41%
O-Xylene	20	18	90%	18	90%	0.00%

Acceptable Percent Recoveries are 70-130%.

 Acceptable %RPD is <20%

Page 1 of 2

Bromomethane, chloroethane, dichlorofluoromethane

1-4 dioxane 60-140%

Volatile Laboratory Control Spike Recovery Data

Laboratory Number: 14100161 Date Analyzed: 10/20/2014

Control Spike Number: LCS202014 Analyst: JF

Control Spike Compound Added	Concentration Added (ug/l)	LCS Recovery (ug/l)	Percent (%) Recovered	LCSD Recovery (ug/l)	Percent (%) Recovered	Percent (%) RPD
Ethylbenzene	20	18	90%	19	95%	5.41%
1,1,2,2-Tetrachloroethane	20	18	90%	19	95%	5.41%
1,2,3-Trichloropropane	20	17	85%	18	90%	5.71%
Styrene	20	18	90%	19	95%	5.41%
Bromoform	20	19	95%	20	100%	5.13%
1,2,4-Trimethylbenzene	20	19	95%	19	95%	0.00%
Bromobenzene	20	18	90%	19	95%	5.41%
1,2-Dichlorobenzene	20	20	100%	18	90%	10.53%
N-Propylbenzene	20	20	100%	20	100%	0.00%
2-Chlorotoluene	20	19	95%	20	100%	5.13%
4-Chlorotoluene	20	19	95%	19	95%	0.00%
Tert-Butylbenzene	20	20	100%	19	95%	5.13%
Isopropylbenzene	20	21	105%	20	100%	4.88%
1,3,5-Trimethylbenzene	20	19	95%	21	105%	10.00%
1,2-Dibromo-3-Chloropropane	20	22	110%	19	95%	14.63%
Sec-Butylbenzene	20	21	105%	21	105%	0.00%
1,3-Dichlorobenzene	20	19	95%	20	100%	5.13%
4-Isopropyltoluene	20	20	100%	19	95%	5.13%
1,4-Dichlorobenzene	20	19	95%	21	105%	10.00%
N-Butylbenzene	20	22	110%	18	90%	20.00%
Naphthalene	20	19	95%	21	105%	10.00%
1,2,4-Trichlorobenzene	20	22	110%	20	100%	9.52%
Hexachlorobutadiene	20	21	105%	19	95%	10.00%
1,2,3-Trichlorobenzene	20	21	105%	19	95%	10.00%
1,3,5-Trichlorobenzene	20	20	100%	20	100%	0.00%

Acceptable Percent Recoveries are 70-130%.

Acceptable %RPD is <20%

Page 2 of 2

Bromomethane, chloroethane, dichlorofluoromethane

1,4 dioxane 60-140%



Volatile Laboratory SIM Control Spike Recovery Data

Laboratory Number: 14100161 Date Analyzed: 10/24/2014

Control Spike Number: LCS102414 Analyst: JF

Control Spike Compound Addec	Concentration Added (ug/l)	LCS Recovery (ug/l)	Percent (%) Recovered	LCSD Recovery (ug/l)	Percent (%) Recovered
1,4-Dioxane	5.00	4.69	94%	4.68	94%

Compound	Percent (%) Recovery Limits	Percent (%) RPD	Percent (%) RPD Limits
1,4-Dioxane	70-130%	0.21%	<20%



Volatile Laboratory SIM Control Spike Recovery Data

Laboratory Number: 14100161 Date Analyzed: 10/30/2014

Control Spike Number: LCS103014 Analyst: JF

Control Spike Compound Addec	Concentration Added (ug/l)	LCS Recovery (ug/l)	Percent (%) Recovered	LCSD Recovery (ug/l)	Percent (%) Recovered
1,4-Dioxane	5.00	4.68	94%	5.05	101%

Compound	Percent (%) Recovery Limits	Percent (%) RPD	Percent (%) RPD Limits
1,4-Dioxane	70-130%	7.61%	<20%

Endpoint		Lab ID:	14100161	
Katie Snyder	Control #:	098648 & 099671	Date:	11/3/2014
25 Buttrick Rd Unit D2	Project Number:	2060-001		
Londonderry NH 03053	Project Name:	W. Brookfield / Wigwam LF		
	Project Location:	W. Brookfield MA		

Lab ID: 14100161

Sample Receiving and Comment Summary

Were samples submitted with a chain of custody?	Yes
Do all samples received match the chain of custody?	Yes
Were all samples received within applicable holding times?	No
Were all containers intact when received?	Yes
Was there evidence of cooling if required?	Yes
Were samples for volatile organic analysis free of headspace (per method)?	Yes
Was the cooler temperature recorded if applicable?	Yes
If the sample pH was not correct was it adjusted where applicable?	Yes
Were samples for dissolved metals already filtered by the client or field sampling?	N/A
Were Samples for O-phos filtered in the field?	N/A
Were samples received in the appropriate containers?	Yes

Sample	Method	Client Identity	Matrix	Analyst
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14100161-001 SW 8260C SIM MW-1 Groundwater JustinF

Comment: Surrogate high for 1,4 dioxane low level in samples 02,04,05,07,08,09,10,13. but these samples were <RL.

Sample	Method	Client Identity	Matrix	Analyst
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14100161-002 SW 8260C SIM MW-1D Groundwater JustinF

Comment: Surrogate recovery high but sample was below detection limit.

Sample	Method	Client Identity	Matrix	Analyst
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14100161-003 SW 8260C SIM MW-4 Groundwater JustinF

Comment: Surrogate recovery high but sample was below detection limit.

Sample	Method	Client Identity	Matrix	Analyst
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14100161-004 SW 8260C SIM MW-4A Groundwater JustinF

Comment: Surrogate recovery high but sample was below detection limit.

Sample	Method	Client Identity	Matrix	Analyst
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14100161-005 SW 8260C SIM MW-3 Groundwater JustinF

Comment: Surrogate recovery high but sample was below detection limit.

Sample	Method	Client Identity	Matrix	Analyst
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14100161-007 SW 8260C SIM MW-6 Groundwater JustinF

Comment: Surrogate recovery high but sample was below detection limit.

Sample	Method	Client Identity	Matrix	Analyst
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14100161-008 SW 8260C SIM MW-3D Groundwater JustinF

Comment: Surrogate recovery high but sample was below detection limit.

Sample	Method	Client Identity	Matrix	Analyst
14100161-009	SW 8260C SIM	89 New Braintree-Pond	Drinking Water	JustinF
Comment: Surrogate recovery high but sample was below detection limit.				
14100161-010	SW 8260C SIM	89 New Braintree - Concrete Well	Drinking Water	JustinF
Comment: Surrogate recovery high but sample is below detection limit.				
14100161-013	SW 8260C SIM	81 New Braintree - DW Tank	Drinking Water	JustinF
Comment: Surrogate recovery high but sample was below detection limit.				
* Blank comment sections denote "No Comment"				



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Endpoint

Katie Snyder
25 Buttrick Rd Unit D2
Londonderry NH 03053

Control #: 098648 & 099671
Project Number: 2060-001
Project Name: W. Brookfield / Wigwam LF
Project Location: W. Brookfield MA

Analytical Results

Lab ID: 14100161
Date: 11/3/2014

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
14100161-001	MW-1	10/15/2014 12:55:00 PM	Groundwater
Parameter	Method	Result	Qualifier
Acid Digestion	EPA 200.7		10/20/2014
Total Alkalinity	SM 2320B	26.0 mg/L	10/27/2014
Total Dissolved Solids	SM 2540C	107 mg/L	10/21/2014
Cyanide	SM 4500-CN-E	< 0.02 mg/L	10/23/2014
COD	SM 5220D	< 25 mg/L	10/27/2014
Arsenic	SW 6010C	< 0.005 mg/L	10/21/2014
Barium	SW 6010C	0.033 mg/L	10/21/2014
Cadmium	SW 6010C	< 0.002 mg/L	10/21/2014
Chromium	SW 6010C	< 0.01 mg/L	10/21/2014
Copper	SW 6010C	0.020 mg/L	10/21/2014
Iron	SW 6010C	1.35 mg/L	10/21/2014
Lead	SW 6010C	< 0.01 mg/L	10/21/2014
Manganese	SW 6010C	0.097 mg/L	10/21/2014
Selenium	SW 6010C	< 0.025 mg/L	10/21/2014
Silver	SW 6010C	< 0.007 mg/L	10/21/2014
Zinc	SW 6010C	0.199 mg/L	10/21/2014
Mercury	SW 7470A	< 0.0002 mg/L	10/21/2014
1,1,1,2-Tetrachloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1,1-Trichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1,2,2-Tetrachloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1,2-Trichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1-Dichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1-Dichloroethene	SW 8260C	< 1 ug/L	10/20/2014
1,1-Dichloropropene	SW 8260C	< 1 ug/L	10/20/2014
1,2,3-Trichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2,3-Trichloropropane	SW 8260C	< 1 ug/L	10/20/2014
1,2,4-Trichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2,4-Trimethylbenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dibromo-3-Chloropropane	SW 8260C	< 1 ug/L	R
1,2-Dibromoethane	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dichloropropane	SW 8260C	< 1 ug/L	10/20/2014
1,3,5-Trichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,3,5-Trimethylbenzene	SW 8260C	< 1 ug/L	10/20/2014
1,3-Dichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,3-Dichloropropane	SW 8260C	< 1 ug/L	10/20/2014
1,4-Dichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,4-Dioxane	SW 8260C	< 20 ug/L	R, ML
2,2-Dichloropropane	SW 8260C	< 1 ug/L	10/20/2014



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Sample	Client Sample Identity		Start Date/Time Sampled:	Matrix		
14100161-001	MW-1		10/15/2014 12:55:00 PM		Groundwater	
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
2-Butanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
2-Chloroethyl Vinyl Ether	SW 8260C	< 1 ug/L	ML	10/20/2014	1	1
2-Chlorotoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Ethoxy-2-Methyl Propane (ETBE)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Hexanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
2-Methoxy-2-Methyl Butane (TAME)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Methoxy-2-Methyl Propane (MTBE)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Methyl-2-Propanol (TBA)	SW 8260C	< 20 ug/L		10/20/2014	1	20
4-Chlorotoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
4-Isopropyltoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
4-Methyl-2-Pentanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
Acetone	SW 8260C	< 10 ug/L		10/20/2014	1	10
Acrolein	SW 8260C	< 5 ug/L		10/20/2014	1	5
Acrylonitrile	SW 8260C	< 5 ug/L		10/20/2014	1	5
Benzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromoform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromochloromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromodichloromethane	SW 8260C	< 0.6 ug/L		10/20/2014	1	0.6
Bromoform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromomethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Carbon Disulfide	SW 8260C	< 1 ug/L		10/20/2014	1	1
Carbon Tetrachloride	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloroform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloromethane	SW 8260C	< 1 ug/L	R	10/20/2014	1	1
Cis-1,2-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Cis-1,3-Dichloropropene	SW 8260C	< 0.4 ug/L		10/20/2014	1	0.4
Dibromochloromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Dibromomethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Dichlorodifluoromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Diethyl Ether	SW 8260C	< 1 ug/L		10/20/2014	1	1
Di-Isopropyl Ether	SW 8260C	< 1 ug/L		10/20/2014	1	1
Ethylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Hexachlorobutadiene	SW 8260C	< 0.5 ug/L		10/20/2014	1	0.5
Isopropylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
M/P-Xylene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Methylene Chloride	SW 8260C	< 5 ug/L		10/20/2014	1	5
Naphthalene	SW 8260C	< 1 ug/L		10/20/2014	1	1
N-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
N-Propylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
O-Xylene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Sec-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Styrene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tert-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tetrachloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1



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Sample	Client Sample Identity		Start Date/Time Sampled:		Matrix
14100161-001	MW-1		10/15/2014 12:55:00 PM		Groundwater
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor
Tetrahydrofuran	SW 8260C	< 10 ug/L	R	10/20/2014	1
Toluene	SW 8260C	< 1 ug/L		10/20/2014	1
Trans-1,2-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1
Trans-1,3-Dichloropropene	SW 8260C	< 0.4 ug/L		10/20/2014	1
Trichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1
Trichlorofluoromethane	SW 8260C	< 1 ug/L		10/20/2014	1
Vinyl Chloride	SW 8260C	< 1 ug/L		10/20/2014	1
1,4-Dioxane	SW 8260C SIM	< 0.2 ug/L		10/23/2014	1
Chloride	SW 9056	30.4 mg/L		10/17/2014 2:30:00 PM	1
Nitrate	SW 9056	< 1 mg/L	H	10/17/2014 2:30:00 PM	1
Sulfate	SW 9056	10.5 mg/L		10/17/2014 2:30:00 PM	1

Endpoint

Katie Snyder
 25 Buttrick Rd Unit D2
 Londonderry NH 03053

Control #: 098648 & 099671
 Project Number: 2060-001
 Project Name: W. Brookfield / Wigwam LF
 Project Location: W. Brookfield MA

Analytical Results

Lab ID: 14100161
 Date: 11/3/2014

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
14100161-002	MW-1D	10/15/2014 1:55:00 PM	Groundwater
Parameter	Method	Result	Qualifier
Acid Digestion	EPA 200.7		10/20/2014
Total Alkalinity	SM 2320B	112 mg/L	10/27/2014
Total Dissolved Solids	SM 2540C	1170 mg/L	10/21/2014
Cyanide	SM 4500-CN-E	< 0.02 mg/L	10/23/2014
COD	SM 5220D	29.3 mg/L	10/27/2014
Arsenic	SW 6010C	< 0.005 mg/L	10/21/2014
Barium	SW 6010C	0.079 mg/L	10/21/2014
Cadmium	SW 6010C	< 0.002 mg/L	10/21/2014
Chromium	SW 6010C	< 0.01 mg/L	10/21/2014
Copper	SW 6010C	< 0.01 mg/L	10/21/2014
Iron	SW 6010C	< 0.05 mg/L	10/21/2014
Lead	SW 6010C	< 0.01 mg/L	10/21/2014
Manganese	SW 6010C	< 0.01 mg/L	10/21/2014
Selenium	SW 6010C	< 0.025 mg/L	10/21/2014
Silver	SW 6010C	< 0.007 mg/L	10/21/2014
Zinc	SW 6010C	< 0.01 mg/L	10/21/2014
Mercury	SW 7470A	< 0.0002 mg/L	10/21/2014
1,1,1,2-Tetrachloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1,1-Trichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1,2,2-Tetrachloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1,2-Trichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1-Dichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1-Dichloroethene	SW 8260C	< 1 ug/L	10/20/2014
1,1-Dichloropropene	SW 8260C	< 1 ug/L	10/20/2014
1,2,3-Trichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2,3-Trichloropropane	SW 8260C	< 1 ug/L	10/20/2014
1,2,4-Trichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2,4-Trimethylbenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dibromo-3-Chloropropane	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dibromoethane	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dichloropropane	SW 8260C	< 1 ug/L	10/20/2014
1,3,5-Trichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,3,5-Trimethylbenzene	SW 8260C	< 1 ug/L	10/20/2014
1,3-Dichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,3-Dichloropropane	SW 8260C	< 1 ug/L	10/20/2014
1,4-Dichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,4-Dioxane	SW 8260C	< 20 ug/L	R 10/20/2014
2,2-Dichloropropane	SW 8260C	< 1 ug/L	10/20/2014



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Sample	Client Sample Identity		Start Date/Time Sampled:	Matrix		
14100161-002	MW-1D		10/15/2014 1:55:00 PM		Groundwater	
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
2-Butanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
2-Chloroethyl Vinyl Ether	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Chlorotoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Ethoxy-2-Methyl Propane (ETBE)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Hexanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
2-Methoxy-2-Methyl Butane (TAME)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Methoxy-2-Methyl Propane (MTBE)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Methyl-2-Propanol (TBA)	SW 8260C	< 20 ug/L		10/20/2014	1	20
4-Chlorotoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
4-Isopropyltoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
4-Methyl-2-Pentanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
Acetone	SW 8260C	< 10 ug/L		10/20/2014	1	10
Acrolein	SW 8260C	< 5 ug/L		10/20/2014	1	5
Acrylonitrile	SW 8260C	< 5 ug/L		10/20/2014	1	5
Benzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromoform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromochloromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromodichloromethane	SW 8260C	< 0.6 ug/L		10/20/2014	1	0.6
Bromoform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromomethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Carbon Disulfide	SW 8260C	< 1 ug/L		10/20/2014	1	1
Carbon Tetrachloride	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloroform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloromethane	SW 8260C	< 1 ug/L	R	10/20/2014	1	1
Cis-1,2-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Cis-1,3-Dichloropropene	SW 8260C	< 0.4 ug/L		10/20/2014	1	0.4
Dibromochloromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Dibromomethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Dichlorodifluoromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Diethyl Ether	SW 8260C	< 1 ug/L		10/20/2014	1	1
Di-Isopropyl Ether	SW 8260C	< 1 ug/L		10/20/2014	1	1
Ethylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Hexachlorobutadiene	SW 8260C	< 0.5 ug/L		10/20/2014	1	0.5
Isopropylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
M/P-Xylene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Methylene Chloride	SW 8260C	< 5 ug/L		10/20/2014	1	5
Naphthalene	SW 8260C	< 1 ug/L		10/20/2014	1	1
N-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
N-Propylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
O-Xylene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Sec-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Styrene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tert-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tetrachloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1



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Sample	Client Sample Identity		Start Date/Time Sampled:	Matrix		
14100161-002	MW-1D		10/15/2014 1:55:00 PM	Groundwater		
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Tetrahydrofuran	SW 8260C	< 10 ug/L		10/20/2014	1	10
Toluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Trans-1,2-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Trans-1,3-Dichloropropene	SW 8260C	< 0.4 ug/L		10/20/2014	1	0.4
Trichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Trichlorofluoromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Vinyl Chloride	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,4-Dioxane	SW 8260C SIM	< 0.2 ug/L		10/23/2014	1	0.2
Chloride	SW 9056	617 mg/L		10/17/2014 2:44:00 PM	1	1
Nitrate	SW 9056	< 1 mg/L	H	10/17/2014 2:44:00 PM	1	1
Sulfate	SW 9056	19.3 mg/L		10/17/2014 2:44:00 PM	1	1

Endpoint

Katie Snyder
 25 Buttrick Rd Unit D2
 Londonderry NH 03053

Control #: 098648 & 099671
 Project Number: 2060-001
 Project Name: W. Brookfield / Wigwam LF
 Project Location: W. Brookfield MA

Analytical Results

Lab ID: 14100161
 Date: 11/3/2014

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
14100161-003	MW-4	10/15/2014 10:40:00 AM	Groundwater
Parameter	Method	Result	Qualifier
Acid Digestion	EPA 200.7		10/20/2014
Total Alkalinity	SM 2320B	2.00 mg/L	10/27/2014
Total Dissolved Solids	SM 2540C	97.3 mg/L	10/21/2014
Cyanide	SM 4500-CN-E	< 0.02 mg/L	10/23/2014
COD	SM 5220D	< 25 mg/L	10/27/2014
Arsenic	SW 6010C	< 0.005 mg/L	10/21/2014
Barium	SW 6010C	< 0.01 mg/L	10/21/2014
Cadmium	SW 6010C	< 0.002 mg/L	10/21/2014
Chromium	SW 6010C	< 0.01 mg/L	10/21/2014
Copper	SW 6010C	< 0.01 mg/L	10/21/2014
Iron	SW 6010C	< 0.05 mg/L	10/21/2014
Lead	SW 6010C	< 0.01 mg/L	10/21/2014
Manganese	SW 6010C	0.025 mg/L	10/21/2014
Selenium	SW 6010C	< 0.025 mg/L	10/21/2014
Silver	SW 6010C	< 0.007 mg/L	10/21/2014
Zinc	SW 6010C	< 0.01 mg/L	10/21/2014
Mercury	SW 7470A	< 0.0002 mg/L	10/21/2014
1,1,1,2-Tetrachloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1,1-Trichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1,2,2-Tetrachloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1,2-Trichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1-Dichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1-Dichloroethene	SW 8260C	< 1 ug/L	10/20/2014
1,1-Dichloropropene	SW 8260C	< 1 ug/L	10/20/2014
1,2,3-Trichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2,3-Trichloropropane	SW 8260C	< 1 ug/L	10/20/2014
1,2,4-Trichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2,4-Trimethylbenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dibromo-3-Chloropropane	SW 8260C	< 1 ug/L	R
1,2-Dibromoethane	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dichloropropane	SW 8260C	< 1 ug/L	10/20/2014
1,3,5-Trichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,3,5-Trimethylbenzene	SW 8260C	< 1 ug/L	10/20/2014
1,3-Dichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,3-Dichloropropane	SW 8260C	< 1 ug/L	10/20/2014
1,4-Dichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,4-Dioxane	SW 8260C	< 20 ug/L	R, ML
2,2-Dichloropropane	SW 8260C	< 1 ug/L	10/20/2014



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Sample	Client Sample Identity		Start Date/Time Sampled:	Matrix		
14100161-003	MW-4		10/15/2014 10:40:00 AM		Groundwater	
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
2-Butanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
2-Chloroethyl Vinyl Ether	SW 8260C	< 1 ug/L	ML	10/20/2014	1	1
2-Chlorotoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Ethoxy-2-Methyl Propane (ETBE)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Hexanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
2-Methoxy-2-Methyl Butane (TAME)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Methoxy-2-Methyl Propane (MTBE)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Methyl-2-Propanol (TBA)	SW 8260C	< 20 ug/L		10/20/2014	1	20
4-Chlorotoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
4-Isopropyltoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
4-Methyl-2-Pentanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
Acetone	SW 8260C	< 10 ug/L		10/20/2014	1	10
Acrolein	SW 8260C	< 5 ug/L		10/20/2014	1	5
Acrylonitrile	SW 8260C	< 5 ug/L		10/20/2014	1	5
Benzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromoform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromochloromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromodichloromethane	SW 8260C	< 0.6 ug/L		10/20/2014	1	0.6
Bromoform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromomethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Carbon Disulfide	SW 8260C	< 1 ug/L		10/20/2014	1	1
Carbon Tetrachloride	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloroform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloromethane	SW 8260C	< 1 ug/L	R	10/20/2014	1	1
Cis-1,2-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Cis-1,3-Dichloropropene	SW 8260C	< 0.4 ug/L		10/20/2014	1	0.4
Dibromochloromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Dibromomethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Dichlorodifluoromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Diethyl Ether	SW 8260C	< 1 ug/L		10/20/2014	1	1
Di-Isopropyl Ether	SW 8260C	< 1 ug/L		10/20/2014	1	1
Ethylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Hexachlorobutadiene	SW 8260C	< 0.5 ug/L		10/20/2014	1	0.5
Isopropylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
M/P-Xylene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Methylene Chloride	SW 8260C	< 5 ug/L		10/20/2014	1	5
Naphthalene	SW 8260C	< 1 ug/L		10/20/2014	1	1
N-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
N-Propylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
O-Xylene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Sec-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Styrene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tert-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tetrachloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1



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Sample	Client Sample Identity		Start Date/Time Sampled:		Matrix
14100161-003	MW-4		10/15/2014 10:40:00 AM		Groundwater
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor
Tetrahydrofuran	SW 8260C	< 10 ug/L	R	10/20/2014	1
Toluene	SW 8260C	< 1 ug/L		10/20/2014	1
Trans-1,2-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1
Trans-1,3-Dichloropropene	SW 8260C	< 0.4 ug/L		10/20/2014	1
Trichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1
Trichlorofluoromethane	SW 8260C	< 1 ug/L		10/20/2014	1
Vinyl Chloride	SW 8260C	< 1 ug/L		10/20/2014	1
1,4-Dioxane	SW 8260C SIM	< 0.2 ug/L		10/24/2014	1
Chloride	SW 9056	46.8 mg/L		10/17/2014 2:57:00 PM	1
Nitrate	SW 9056	< 1 mg/L	H	10/17/2014 2:57:00 PM	1
Sulfate	SW 9056	3.23 mg/L		10/17/2014 2:57:00 PM	1

Endpoint	Analytical Results		
Katie Snyder	Control #:	098648 & 099671	Lab ID: 14100161
25 Buttrick Rd Unit D2	Project Number:	2060-001	Date: 11/3/2014
Londonderry NH 03053	Project Name:	W. Brookfield / Wigwam LF	
	Project Location:	W. Brookfield MA	

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
14100161-004	MW-4A	10/15/2014 4:45:00 PM	Groundwater

Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Total Dissolved Solids	SM 2540C	141 mg/L		10/21/2014	1	10
1,1,1,2-Tetrachloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,1,1-Trichloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,1,2,2-Tetrachloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,1,2-Trichloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,1-Dichloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,1-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,1-Dichloropropene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,2,3-Trichlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,2,3-Trichloropropane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,2,4-Trichlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,2,4-Trimethylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,2-Dibromo-3-Chloropropane	SW 8260C	< 1 ug/L	R	10/20/2014	1	1
1,2-Dibromoethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,2-Dichlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,2-Dichloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,2-Dichloropropane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,3,5-Trichlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,3,5-Trimethylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,3-Dichlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,3-Dichloropropane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,4-Dichlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,4-Dioxane	SW 8260C	< 20 ug/L	R, ML	10/20/2014	1	20
2,2-Dichloropropane	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Butanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
2-Chloroethyl Vinyl Ether	SW 8260C	< 1 ug/L	ML	10/20/2014	1	1
2-Chlorotoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Ethoxy-2-Methyl Propane (ETBE)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Hexanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
2-Methoxy-2-Methyl Butane (TAME)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Methoxy-2-Methyl Propane (MTBE)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Methyl-2-Propanol (TBA)	SW 8260C	< 20 ug/L		10/20/2014	1	20
4-Chlorotoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
4-Isopropyltoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
4-Methyl-2-Pentanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
Acetone	SW 8260C	< 10 ug/L		10/20/2014	1	10
Acrolein	SW 8260C	< 5 ug/L		10/20/2014	1	5
Acrylonitrile	SW 8260C	< 5 ug/L		10/20/2014	1	5
Benzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1



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Sample	Client Sample Identity		Start Date/Time Sampled:	Matrix		
14100161-004	MW-4A		10/15/2014 4:45:00 PM	Groundwater		
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Bromochloromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromodichloromethane	SW 8260C	< 0.6 ug/L		10/20/2014	1	0.6
Bromoform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromomethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Carbon Disulfide	SW 8260C	< 1 ug/L		10/20/2014	1	1
Carbon Tetrachloride	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloroform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloromethane	SW 8260C	< 1 ug/L	R	10/20/2014	1	1
Cis-1,2-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Cis-1,3-Dichloropropene	SW 8260C	< 0.4 ug/L		10/20/2014	1	0.4
Dibromochloromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Dibromomethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Dichlorodifluoromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Diethyl Ether	SW 8260C	< 1 ug/L		10/20/2014	1	1
Di-Isopropyl Ether	SW 8260C	< 1 ug/L		10/20/2014	1	1
Ethylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Hexachlorobutadiene	SW 8260C	< 0.5 ug/L		10/20/2014	1	0.5
Isopropylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
M/P-Xylene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Methylene Chloride	SW 8260C	< 5 ug/L		10/20/2014	1	5
Naphthalene	SW 8260C	< 1 ug/L		10/20/2014	1	1
N-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
N-Propylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
O-Xylene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Sec-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Styrene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tert-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tetrachloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tetrahydrofuran	SW 8260C	< 10 ug/L	R	10/20/2014	1	10
Toluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Trans-1,2-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Trans-1,3-Dichloropropene	SW 8260C	< 0.4 ug/L		10/20/2014	1	0.4
Trichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Trichlorofluoromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Vinyl Chloride	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,4-Dioxane	SW 8260C SIM	< 0.2 ug/L		10/23/2014	1	0.2
Chloride	SW 9056	51.8 mg/L		10/17/2014 3:11:00 PM	1	1
Nitrate	SW 9056	< 1 mg/L	H	10/17/2014 3:11:00 PM	1	1
Sulfate	SW 9056	18.0 mg/L		10/17/2014 3:11:00 PM	1	1



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Endpoint

Katie Snyder
25 Buttrick Rd Unit D2
Londonderry NH 03053

Control #: 098648 & 099671
Project Number: 2060-001
Project Name: W. Brookfield / Wigwam LF
Project Location: W. Brookfield MA

Analytical Results

Lab ID: 14100161
Date: 11/3/2014

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
14100161-005	MW-3	10/15/2014 2:30:00 PM	Groundwater
Parameter	Method	Result	Qualifier
Acid Digestion	EPA 200.7		Date/Time Analyzed
Total Alkalinity	SM 2320B	12.0 mg/L	10/20/2014
Total Dissolved Solids	SM 2540C	42.7 mg/L	1
Cyanide	SM 4500-CN-E	< 0.02 mg/L	10/21/2014
COD	SM 5220D	< 25 mg/L	1
Arsenic	SW 6010C	< 0.005 mg/L	0.02
Barium	SW 6010C	< 0.01 mg/L	10/21/2014
Cadmium	SW 6010C	< 0.002 mg/L	1
Chromium	SW 6010C	< 0.01 mg/L	10/21/2014
Copper	SW 6010C	< 0.01 mg/L	0.01
Iron	SW 6010C	0.051 mg/L	10/21/2014
Lead	SW 6010C	< 0.01 mg/L	1
Manganese	SW 6010C	< 0.01 mg/L	0.05
Selenium	SW 6010C	< 0.025 mg/L	10/21/2014
Silver	SW 6010C	< 0.007 mg/L	1
Zinc	SW 6010C	< 0.01 mg/L	0.007
Mercury	SW 7470A	< 0.0002 mg/L	10/21/2014
1,1,1,2-Tetrachloroethane	SW 8260C	< 1 ug/L	1
1,1,1-Trichloroethane	SW 8260C	< 1 ug/L	1
1,1,2,2-Tetrachloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1,2-Trichloroethane	SW 8260C	< 1 ug/L	1
1,1-Dichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1-Dichloroethene	SW 8260C	< 1 ug/L	1
1,1-Dichloropropene	SW 8260C	< 1 ug/L	10/20/2014
1,2,3-Trichlorobenzene	SW 8260C	< 1 ug/L	1
1,2,3-Trichloropropane	SW 8260C	< 1 ug/L	10/20/2014
1,2,4-Trichlorobenzene	SW 8260C	< 1 ug/L	1
1,2,4-Trimethylbenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dibromo-3-Chloropropane	SW 8260C	< 1 ug/L	R
1,2-Dibromoethane	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dichlorobenzene	SW 8260C	< 1 ug/L	1
1,2-Dichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dichloropropane	SW 8260C	< 1 ug/L	1
1,3,5-Trichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,3,5-Trimethylbenzene	SW 8260C	< 1 ug/L	1
1,3-Dichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,3-Dichloropropane	SW 8260C	< 1 ug/L	1
1,4-Dichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,4-Dioxane	SW 8260C	< 20 ug/L	R, ML
2,2-Dichloropropane	SW 8260C	< 1 ug/L	10/20/2014



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Sample	Client Sample Identity		Start Date/Time Sampled:	Matrix		
14100161-005	MW-3		10/15/2014 2:30:00 PM		Groundwater	
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
2-Butanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
2-Chloroethyl Vinyl Ether	SW 8260C	< 1 ug/L	ML	10/20/2014	1	1
2-Chlorotoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Ethoxy-2-Methyl Propane (ETBE)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Hexanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
2-Methoxy-2-Methyl Butane (TAME)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Methoxy-2-Methyl Propane (MTBE)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Methyl-2-Propanol (TBA)	SW 8260C	< 20 ug/L		10/20/2014	1	20
4-Chlorotoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
4-Isopropyltoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
4-Methyl-2-Pentanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
Acetone	SW 8260C	< 10 ug/L		10/20/2014	1	10
Acrolein	SW 8260C	< 5 ug/L		10/20/2014	1	5
Acrylonitrile	SW 8260C	< 5 ug/L		10/20/2014	1	5
Benzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromoform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromomethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Carbon Disulfide	SW 8260C	< 1 ug/L		10/20/2014	1	1
Carbon Tetrachloride	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloroform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloromethane	SW 8260C	< 1 ug/L	R	10/20/2014	1	1
Cis-1,2-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Cis-1,3-Dichloropropene	SW 8260C	< 0.4 ug/L		10/20/2014	1	0.4
Dibromochloromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Dibromomethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Dichlorodifluoromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Diethyl Ether	SW 8260C	< 1 ug/L		10/20/2014	1	1
Di-Isopropyl Ether	SW 8260C	< 1 ug/L		10/20/2014	1	1
Ethylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Hexachlorobutadiene	SW 8260C	< 0.5 ug/L		10/20/2014	1	0.5
Isopropylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
M/P-Xylene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Methylene Chloride	SW 8260C	< 5 ug/L		10/20/2014	1	5
Naphthalene	SW 8260C	< 1 ug/L		10/20/2014	1	1
N-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
N-Propylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
O-Xylene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Sec-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Styrene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tert-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tetrachloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1



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Sample	Client Sample Identity		Start Date/Time Sampled:		Matrix
14100161-005	MW-3		10/15/2014 2:30:00 PM		Groundwater
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor
Tetrahydrofuran	SW 8260C	< 10 ug/L	R	10/20/2014	1
Toluene	SW 8260C	< 1 ug/L		10/20/2014	1
Trans-1,2-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1
Trans-1,3-Dichloropropene	SW 8260C	< 0.4 ug/L		10/20/2014	1
Trichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1
Trichlorofluoromethane	SW 8260C	< 1 ug/L		10/20/2014	1
Vinyl Chloride	SW 8260C	< 1 ug/L		10/20/2014	1
1,4-Dioxane	SW 8260C SIM	< 0.2 ug/L		10/24/2014	1
Chloride	SW 9056	3.03 mg/L		10/17/2014 3:24:00 PM	1
Nitrate	SW 9056	< 1 mg/L	H	10/17/2014 3:24:00 PM	1
Sulfate	SW 9056	11.9 mg/L		10/17/2014 3:24:00 PM	1



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Endpoint

Katie Snyder
25 Buttrick Rd Unit D2
Londonderry NH 03053

Control #: 098648 & 099671
Project Number: 2060-001
Project Name: W. Brookfield / Wigwam LF
Project Location: W. Brookfield MA

Analytical Results

Lab ID: 14100161
Date: 11/3/2014

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
14100161-006	MW-2D	10/15/2014 3:30:00 PM	Groundwater
Parameter	Method	Result	Qualifier
Acid Digestion	EPA 200.7		Date/Time Analyzed
Total Alkalinity	SM 2320B	22.0 mg/L	10/20/2014
Total Dissolved Solids	SM 2540C	589 mg/L	1
Cyanide	SM 4500-CN-E	< 0.02 mg/L	10/21/2014
COD	SM 5220D	44.5 mg/L	1
Arsenic	SW 6010C	< 0.005 mg/L	0.02
Barium	SW 6010C	< 0.01 mg/L	10/21/2014
Cadmium	SW 6010C	< 0.002 mg/L	1
Chromium	SW 6010C	< 0.01 mg/L	10/21/2014
Copper	SW 6010C	< 0.01 mg/L	0.01
Iron	SW 6010C	72.8 mg/L	10/21/2014
Lead	SW 6010C	< 0.01 mg/L	1
Manganese	SW 6010C	2.11 mg/L	0.01
Selenium	SW 6010C	< 0.025 mg/L	10/21/2014
Silver	SW 6010C	< 0.007 mg/L	1
Zinc	SW 6010C	< 0.01 mg/L	0.007
Mercury	SW 7470A	< 0.0002 mg/L	10/21/2014
1,1,1,2-Tetrachloroethane	SW 8260C	< 1 ug/L	1
1,1,1-Trichloroethane	SW 8260C	< 1 ug/L	1
1,1,2,2-Tetrachloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1,2-Trichloroethane	SW 8260C	< 1 ug/L	1
1,1-Dichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1-Dichloroethene	SW 8260C	< 1 ug/L	1
1,1-Dichloropropene	SW 8260C	< 1 ug/L	10/20/2014
1,2,3-Trichlorobenzene	SW 8260C	< 1 ug/L	1
1,2,3-Trichloropropane	SW 8260C	< 1 ug/L	10/20/2014
1,2,4-Trichlorobenzene	SW 8260C	< 1 ug/L	1
1,2,4-Trimethylbenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dibromo-3-Chloropropane	SW 8260C	< 1 ug/L	R
1,2-Dibromoethane	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dichlorobenzene	SW 8260C	< 1 ug/L	1
1,2-Dichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dichloropropane	SW 8260C	< 1 ug/L	1
1,3,5-Trichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,3,5-Trimethylbenzene	SW 8260C	< 1 ug/L	1
1,3-Dichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,3-Dichloropropane	SW 8260C	< 1 ug/L	1
1,4-Dichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,4-Dioxane	SW 8260C	< 20 ug/L	R, ML
2,2-Dichloropropane	SW 8260C	< 1 ug/L	10/20/2014



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Sample	Client Sample Identity		Start Date/Time Sampled:	Matrix		
14100161-006	MW-2D		10/15/2014 3:30:00 PM		Groundwater	
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
2-Butanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
2-Chloroethyl Vinyl Ether	SW 8260C	< 1 ug/L	ML	10/20/2014	1	1
2-Chlorotoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Ethoxy-2-Methyl Propane (ETBE)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Hexanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
2-Methoxy-2-Methyl Butane (TAME)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Methoxy-2-Methyl Propane (MTBE)	SW 8260C	2.3 ug/L		10/20/2014	1	1
2-Methyl-2-Propanol (TBA)	SW 8260C	< 20 ug/L		10/20/2014	1	20
4-Chlorotoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
4-Isopropyltoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
4-Methyl-2-Pentanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
Acetone	SW 8260C	< 10 ug/L		10/20/2014	1	10
Acrolein	SW 8260C	< 5 ug/L		10/20/2014	1	5
Acrylonitrile	SW 8260C	< 5 ug/L		10/20/2014	1	5
Benzene	SW 8260C	1.1 ug/L		10/20/2014	1	1
Bromobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromoform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromochloromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromodichloromethane	SW 8260C	< 0.6 ug/L		10/20/2014	1	0.6
Bromoform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromomethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Carbon Disulfide	SW 8260C	< 1 ug/L		10/20/2014	1	1
Carbon Tetrachloride	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloroform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloromethane	SW 8260C	< 1 ug/L	R	10/20/2014	1	1
Cis-1,2-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Cis-1,3-Dichloropropene	SW 8260C	< 0.4 ug/L		10/20/2014	1	0.4
Dibromochloromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Dibromomethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Dichlorodifluoromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Diethyl Ether	SW 8260C	15 ug/L		10/20/2014	1	1
Di-Isopropyl Ether	SW 8260C	< 1 ug/L		10/20/2014	1	1
Ethylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Hexachlorobutadiene	SW 8260C	< 0.5 ug/L		10/20/2014	1	0.5
Isopropylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
M/P-Xylene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Methylene Chloride	SW 8260C	< 5 ug/L		10/20/2014	1	5
Naphthalene	SW 8260C	< 1 ug/L		10/20/2014	1	1
N-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
N-Propylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
O-Xylene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Sec-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Styrene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tert-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tetrachloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1



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Sample	Client Sample Identity		Start Date/Time Sampled:		Matrix
14100161-006	MW-2D		10/15/2014 3:30:00 PM		Groundwater
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor
Tetrahydrofuran	SW 8260C	< 10 ug/L	R	10/20/2014	1
Toluene	SW 8260C	< 1 ug/L		10/20/2014	1
Trans-1,2-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1
Trans-1,3-Dichloropropene	SW 8260C	< 0.4 ug/L		10/20/2014	1
Trichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1
Trichlorofluoromethane	SW 8260C	< 1 ug/L		10/20/2014	1
Vinyl Chloride	SW 8260C	< 1 ug/L		10/20/2014	1
1,4-Dioxane	SW 8260C SIM	8.11 ug/L		10/30/2014	1
Chloride	SW 9056	112 mg/L		10/17/2014 3:38:00 PM	1
Nitrate	SW 9056	< 1 mg/L	H	10/17/2014 3:38:00 PM	1
Sulfate	SW 9056	233 mg/L		10/17/2014 3:38:00 PM	1

Endpoint	Analytical Results		
Katie Snyder	Control #:	098648 & 099671	Lab ID: 14100161
25 Buttrick Rd Unit D2	Project Number:	2060-001	Date: 11/3/2014
Londonderry NH 03053	Project Name:	W. Brookfield / Wigwam LF	
	Project Location:	W. Brookfield MA	

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
14100161-007	MW-6	10/15/2014 4:10:00 PM	Groundwater

Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Total Dissolved Solids	SM 2540C	95.4 mg/L		10/21/2014	1	10
1,1,1,2-Tetrachloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,1,1-Trichloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,1,2,2-Tetrachloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,1,2-Trichloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,1-Dichloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,1-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,1-Dichloropropene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,2,3-Trichlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,2,3-Trichloropropane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,2,4-Trichlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,2,4-Trimethylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,2-Dibromo-3-Chloropropane	SW 8260C	< 1 ug/L	R	10/20/2014	1	1
1,2-Dibromoethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,2-Dichlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,2-Dichloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,2-Dichloropropane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,3,5-Trichlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,3,5-Trimethylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,3-Dichlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,3-Dichloropropane	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,4-Dichlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,4-Dioxane	SW 8260C	< 20 ug/L	R, ML	10/20/2014	1	20
2,2-Dichloropropane	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Butanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
2-Chloroethyl Vinyl Ether	SW 8260C	< 1 ug/L	ML	10/20/2014	1	1
2-Chlorotoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Ethoxy-2-Methyl Propane (ETBE)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Hexanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
2-Methoxy-2-Methyl Butane (TAME)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Methoxy-2-Methyl Propane (MTBE)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Methyl-2-Propanol (TBA)	SW 8260C	< 20 ug/L		10/20/2014	1	20
4-Chlorotoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
4-Isopropyltoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
4-Methyl-2-Pentanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
Acetone	SW 8260C	< 20 ug/L		10/20/2014	2	20
Acrolein	SW 8260C	< 5 ug/L		10/20/2014	1	5
Acrylonitrile	SW 8260C	< 5 ug/L		10/20/2014	1	5
Benzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1



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Sample	Client Sample Identity		Start Date/Time Sampled:	Matrix		
14100161-007	MW-6		10/15/2014 4:10:00 PM	Groundwater		
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Bromochloromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromodichloromethane	SW 8260C	< 0.6 ug/L		10/20/2014	1	0.6
Bromoform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromomethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Carbon Disulfide	SW 8260C	< 1 ug/L		10/20/2014	1	1
Carbon Tetrachloride	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloroform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloromethane	SW 8260C	< 1 ug/L	R	10/20/2014	1	1
Cis-1,2-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Cis-1,3-Dichloropropene	SW 8260C	< 0.4 ug/L		10/20/2014	1	0.4
Dibromochloromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Dibromomethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Dichlorodifluoromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Diethyl Ether	SW 8260C	< 1 ug/L		10/20/2014	1	1
Di-Isopropyl Ether	SW 8260C	< 1 ug/L		10/20/2014	1	1
Ethylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Hexachlorobutadiene	SW 8260C	< 0.5 ug/L		10/20/2014	1	0.5
Isopropylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
M/P-Xylene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Methylene Chloride	SW 8260C	< 5 ug/L		10/20/2014	1	5
Naphthalene	SW 8260C	< 1 ug/L		10/20/2014	1	1
N-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
N-Propylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
O-Xylene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Sec-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Styrene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tert-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tetrachloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tetrahydrofuran	SW 8260C	< 10 ug/L	R	10/20/2014	1	10
Toluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Trans-1,2-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Trans-1,3-Dichloropropene	SW 8260C	< 0.4 ug/L		10/20/2014	1	0.4
Trichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Trichlorofluoromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Vinyl Chloride	SW 8260C	< 1 ug/L		10/20/2014	1	1
1,4-Dioxane	SW 8260C SIM	< 0.2 ug/L		10/24/2014	1	0.2
Chloride	SW 9056	7.98 mg/L		10/17/2014 3:51:00 PM	1	1
Nitrate	SW 9056	< 1 mg/L	H	10/17/2014 3:51:00 PM	1	1
Sulfate	SW 9056	23.6 mg/L		10/17/2014 3:51:00 PM	1	1



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Endpoint	<u>Analytical Results</u>		
Katie Snyder	Control #:	098648 & 099671	Lab ID: 14100161
25 Buttrick Rd Unit D2	Project Number:	2060-001	Date: 11/3/2014
Londonderry NH 03053	Project Name:	W. Brookfield / Wigwam LF	
	Project Location:	W. Brookfield MA	

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
14100161-008	MW-3D	10/15/2014 1:30:00 PM	Groundwater
Parameter	Method	Result	Qualifier
Acid Digestion	EPA 200.7		Date/Time Analyzed
Total Alkalinity	SM 2320B	40.0 mg/L	10/20/2014
Total Dissolved Solids	SM 2540C	74.7 mg/L	1
Cyanide	SM 4500-CN-E	< 0.02 mg/L	10/21/2014
COD	SM 5220D	< 25 mg/L	1
Arsenic	SW 6010C	< 0.005 mg/L	0.02
Barium	SW 6010C	< 0.01 mg/L	10/21/2014
Cadmium	SW 6010C	< 0.002 mg/L	1
Chromium	SW 6010C	< 0.01 mg/L	10/21/2014
Copper	SW 6010C	< 0.01 mg/L	0.01
Iron	SW 6010C	0.056 mg/L	10/21/2014
Lead	SW 6010C	< 0.01 mg/L	1
Manganese	SW 6010C	< 0.01 mg/L	0.05
Selenium	SW 6010C	< 0.025 mg/L	10/21/2014
Silver	SW 6010C	< 0.007 mg/L	1
Zinc	SW 6010C	< 0.01 mg/L	0.007
Mercury	SW 7470A	< 0.0002 mg/L	10/21/2014
1,1,1,2-Tetrachloroethane	SW 8260C	< 1 ug/L	0.0002
1,1,1-Trichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1,2,2-Tetrachloroethane	SW 8260C	< 1 ug/L	1
1,1,2-Trichloroethane	SW 8260C	< 1 ug/L	10/20/2014
1,1-Dichloroethane	SW 8260C	< 1 ug/L	1
1,1-Dichloroethene	SW 8260C	< 1 ug/L	10/20/2014
1,1-Dichloropropene	SW 8260C	< 1 ug/L	1
1,2,3-Trichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2,3-Trichloropropane	SW 8260C	< 1 ug/L	1
1,2,4-Trichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2,4-Trimethylbenzene	SW 8260C	< 1 ug/L	1
1,2-Dibromo-3-Chloropropane	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dibromoethane	SW 8260C	< 1 ug/L	1
1,2-Dichlorobenzene	SW 8260C	< 1 ug/L	10/20/2014
1,2-Dichloroethane	SW 8260C	< 1 ug/L	1
1,2-Dichloropropane	SW 8260C	< 1 ug/L	10/20/2014
1,3,5-Trichlorobenzene	SW 8260C	< 1 ug/L	1
1,3,5-Trimethylbenzene	SW 8260C	< 1 ug/L	10/20/2014
1,3-Dichlorobenzene	SW 8260C	< 1 ug/L	1
1,3-Dichloropropane	SW 8260C	< 1 ug/L	10/20/2014
1,4-Dichlorobenzene	SW 8260C	< 1 ug/L	1
1,4-Dioxane	SW 8260C	< 20 ug/L	10/20/2014
2,2-Dichloropropane	SW 8260C	< 1 ug/L	R, ML 20

Page 20 of 27



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Sample	Client Sample Identity		Start Date/Time Sampled:	Matrix		
14100161-008	MW-3D		10/15/2014 1:30:00 PM		Groundwater	
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
2-Butanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
2-Chloroethyl Vinyl Ether	SW 8260C	< 1 ug/L	ML	10/20/2014	1	1
2-Chlorotoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Ethoxy-2-Methyl Propane (ETBE)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Hexanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
2-Methoxy-2-Methyl Butane (TAME)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Methoxy-2-Methyl Propane (MTBE)	SW 8260C	< 1 ug/L		10/20/2014	1	1
2-Methyl-2-Propanol (TBA)	SW 8260C	< 20 ug/L		10/20/2014	1	20
4-Chlorotoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
4-Isopropyltoluene	SW 8260C	< 1 ug/L		10/20/2014	1	1
4-Methyl-2-Pentanone	SW 8260C	< 10 ug/L		10/20/2014	1	10
Acetone	SW 8260C	< 10 ug/L		10/20/2014	1	10
Acrolein	SW 8260C	< 5 ug/L		10/20/2014	1	5
Acrylonitrile	SW 8260C	< 5 ug/L		10/20/2014	1	5
Benzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromoform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromochloromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromodichloromethane	SW 8260C	< 0.6 ug/L		10/20/2014	1	0.6
Bromoform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Bromomethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Carbon Disulfide	SW 8260C	< 1 ug/L		10/20/2014	1	1
Carbon Tetrachloride	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chlorobenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloroethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloroform	SW 8260C	< 1 ug/L		10/20/2014	1	1
Chloromethane	SW 8260C	< 1 ug/L	R	10/20/2014	1	1
Cis-1,2-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Cis-1,3-Dichloropropene	SW 8260C	< 0.4 ug/L		10/20/2014	1	0.4
Dibromochloromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Dibromomethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Dichlorodifluoromethane	SW 8260C	< 1 ug/L		10/20/2014	1	1
Diethyl Ether	SW 8260C	< 1 ug/L		10/20/2014	1	1
Di-Isopropyl Ether	SW 8260C	< 1 ug/L		10/20/2014	1	1
Ethylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Hexachlorobutadiene	SW 8260C	< 0.5 ug/L		10/20/2014	1	0.5
Isopropylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
M/P-Xylene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Methylene Chloride	SW 8260C	< 5 ug/L		10/20/2014	1	5
Naphthalene	SW 8260C	< 1 ug/L		10/20/2014	1	1
N-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
N-Propylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
O-Xylene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Sec-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Styrene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tert-Butylbenzene	SW 8260C	< 1 ug/L		10/20/2014	1	1
Tetrachloroethene	SW 8260C	< 1 ug/L		10/20/2014	1	1



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Sample	Client Sample Identity		Start Date/Time Sampled:		Matrix
14100161-008	MW-3D		10/15/2014 1:30:00 PM		Groundwater
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor
Tetrahydrofuran	SW 8260C	< 10 ug/L	R	10/20/2014	1
Toluene	SW 8260C	< 1 ug/L		10/20/2014	1
Trans-1,2-Dichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1
Trans-1,3-Dichloropropene	SW 8260C	< 0.4 ug/L		10/20/2014	1
Trichloroethene	SW 8260C	< 1 ug/L		10/20/2014	1
Trichlorofluoromethane	SW 8260C	< 1 ug/L		10/20/2014	1
Vinyl Chloride	SW 8260C	< 1 ug/L		10/20/2014	1
1,4-Dioxane	SW 8260C SIM	< 0.2 ug/L		10/25/2014	1
Chloride	SW 9056	2.21 mg/L		10/17/2014 4:05:00 PM	1
Nitrate	SW 9056	1.63 mg/L	H	10/17/2014 4:05:00 PM	1
Sulfate	SW 9056	17.1 mg/L		10/17/2014 4:05:00 PM	1



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Endpoint

Katie Snyder
25 Buttrick Rd Unit D2
Londonderry NH 03053

Control #: 098648 & 099671
Project Number: 2060-001
Project Name: W. Brookfield / Wigwam LF
Project Location: W. Brookfield MA

Analytical Results

Lab ID: 14100161
Date: 11/3/2014

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix			
14100161-009	89 New Braintree-Pond	10/15/2014 10:15:00 AM	Drinking Water			
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	SW 8260C SIM	< 0.2 ug/L		10/23/2014	1	0.2



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Endpoint Analytical Results
Katie Snyder Control #: 098648 & 099671
25 Buttrick Rd Unit D2 Project Number: 2060-001 Lab ID: 14100161
Londonderry NH 03053 Project Name: W. Brookfield / Wigwam LF Date: 11/3/2014
Project Location: W. Brookfield MA

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix			
14100161-010	89 New Braintree - Concrete Well	10/15/2014 10:00:00 AM	Drinking Water			
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	SW 8260C SIM	< 0.2 ug/L		10/27/2014	1	0.2



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Endpoint Analytical Results
Katie Snyder Control #: 098648 & 099671
25 Buttrick Rd Unit D2 Project Number: 2060-001 Lab ID: 14100161
Londonderry NH 03053 Project Name: W. Brookfield / Wigwam LF Date: 11/3/2014
Project Location: W. Brookfield MA

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix			
14100161-011	89 New Braintree - DW Tank	10/15/2014 10:10:00 AM	Drinking Water			
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	SW 8260C SIM	1.95 ug/L		10/30/2014	1	0.2



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Endpoint

Katie Snyder
25 Buttrick Rd Unit D2
Londonderry NH 03053

Control #: 098648 & 099671
Project Number: 2060-001
Project Name: W. Brookfield / Wigwam LF
Project Location: W. Brookfield MA

Analytical Results

Lab ID: 14100161
Date: 11/3/2014

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix			
14100161-012	72 New Braintree - DW Tank	10/15/2014 9:10:00 AM	Drinking Water			
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	SW 8260C SIM	< 0.2 ug/L		10/30/2014	1	0.2



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Endpoint Analytical Results
Katie Snyder Control #: 098648 & 099671
25 Buttrick Rd Unit D2 Project Number: 2060-001
Londonderry NH 03053 Project Name: W. Brookfield / Wigwam LF
Project Location: W. Brookfield MA

Lab ID: 14100161 **Date:** 11/3/2014

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
14100161-013	81 New Braintree - DW Tank	10/15/2014 5:05:00 PM	Drinking Water

Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	SW 8260C SIM	< 0.2 ug/L		10/23/2014	1	0.2

Qualifier: **Description:**

- B- Method blank contaminated with target analyte.
B1- BOD had total oxygen loss. Result reported as ">" the highest dilution.
B2- BOD had no oxygen loss. Result reported as "<" the lowest dilution.
G- Reporting limit elevated due to matrix interference.
H- Method prescribed holding time exceeded.
J- Indicates an estimated value. Value is less than the quantitation limit.
LH- Laboratory control spike(s) was high. Results may be biased high.
LL- Laboratory control spike(s) was low. Results may be biased low.
MH- Matrix spike recovery high due to matrix. Results may be biased high.
ML- Matrix spike recovery low due to matrix. Results may be biased low.
NC- Spike recovery was not calculated due to the concentration of the analyte being >4 times the concentration of the spike added.
R- RPD outside acceptable recovery limits.
RO- Sample received out of holding time.
SH- Surrogate recovery high due to matrix
SL- Surrogate recovery low due to matrix
TNTC- Too numerous to count.
U- BOD/CBOD blank had an oxygen depletion greater than the suggested amount of 0.200.
V- Sample pH for volatile analysis was not <2 when checked at time of analysis.

Client: Endpoint

Order #: 14100161

Matrix: Drinking Water

Units: ug/L			Percent Recovery	Control Limits	Surrogate Amount	Surrogate Result
Sample Number	Surrogate	Method				
14100161-009	4-Bromofluorobenzene	SW 8260C SIM	163	60-140	5	8.15
14100161-010	4-Bromofluorobenzene	SW 8260C SIM	176.4	60-140	5	8.82
14100161-011	4-Bromofluorobenzene	SW 8260C SIM	74.6	60-140	5	3.73
14100161-012	4-Bromofluorobenzene	SW 8260C SIM	95.8	60-140	5	4.79
14100161-013	4-Bromofluorobenzene	SW 8260C SIM	158.6	60-140	5	7.93

Matrix: Groundwater

Units: ug/L			Percent Recovery	Control Limits	Surrogate Amount	Surrogate Result
Sample Number	Surrogate	Method				
14100161-001	4-Bromofluorobenzene	SW 8260C	100.1	70-130	20	20.02
14100161-001	Dibromofluoromethane	SW 8260C	102.35	70-130	20	20.47
14100161-001	Toluene-D8	SW 8260C	93.65	70-130	20	18.73
14100161-002	4-Bromofluorobenzene	SW 8260C	94.75	70-130	20	18.95
14100161-002	Dibromofluoromethane	SW 8260C	104.25	70-130	20	20.85
14100161-002	Toluene-D8	SW 8260C	97.35	70-130	20	19.47
14100161-003	4-Bromofluorobenzene	SW 8260C	85.15	70-130	20	17.03
14100161-003	Dibromofluoromethane	SW 8260C	98.7	70-130	20	19.74
14100161-003	Toluene-D8	SW 8260C	96.75	70-130	20	19.35
14100161-004	4-Bromofluorobenzene	SW 8260C	87.55	70-130	20	17.51
14100161-004	Dibromofluoromethane	SW 8260C	105.15	70-130	20	21.03
14100161-004	Toluene-D8	SW 8260C	100	70-130	20	20.00
14100161-005	4-Bromofluorobenzene	SW 8260C	96	70-130	20	19.20
14100161-005	Dibromofluoromethane	SW 8260C	101.1	70-130	20	20.22
14100161-005	Toluene-D8	SW 8260C	97.25	70-130	20	19.45
14100161-006	4-Bromofluorobenzene	SW 8260C	98.4	70-130	20	19.68
14100161-006	Dibromofluoromethane	SW 8260C	110.35	70-130	20	22.07
14100161-006	Toluene-D8	SW 8260C	98.2	70-130	20	19.64
14100161-007	4-Bromofluorobenzene	SW 8260C	94.75	70-130	20	18.95
14100161-007	Dibromofluoromethane	SW 8260C	97.2	70-130	20	19.44
14100161-007	Toluene-D8	SW 8260C	100.55	70-130	20	20.11
14100161-008	4-Bromofluorobenzene	SW 8260C	93.9	70-130	20	18.78
14100161-008	Dibromofluoromethane	SW 8260C	96.6	70-130	20	19.32
14100161-008	Toluene-D8	SW 8260C	97.65	70-130	20	19.53

Client: Endpoint

Order #: 14100161

Matrix: Groundwater

Sample Number	Surrogate	Method	Percent Recovery	Control Limits	Amount	Result
14100161-001	4-Bromofluorobenzene	SW 8260C SIM	79.4	60-140	5	3.97
14100161-001	4-Bromofluorobenzene	SW 8260C SIM	79.4	60-140	5	3.97
14100161-002	4-Bromofluorobenzene	SW 8260C SIM	148.4	60-140	5	7.42
14100161-002	4-Bromofluorobenzene	SW 8260C SIM	148.4	60-140	5	7.42
14100161-003	4-Bromofluorobenzene	SW 8260C SIM	140	60-140	5	7.00
14100161-003	4-Bromofluorobenzene	SW 8260C SIM	140	60-140	5	7.00
14100161-004	4-Bromofluorobenzene	SW 8260C SIM	169.6	60-140	5	8.48
14100161-004	4-Bromofluorobenzene	SW 8260C SIM	169.6	60-140	5	8.48
14100161-005	4-Bromofluorobenzene	SW 8260C SIM	166	60-140	5	8.30
14100161-005	4-Bromofluorobenzene	SW 8260C SIM	166	60-140	5	8.30
14100161-006	4-Bromofluorobenzene	SW 8260C SIM	139.4	60-140	5	6.97
14100161-006	4-Bromofluorobenzene	SW 8260C SIM	139.4	60-140	5	6.97
14100161-007	4-Bromofluorobenzene	SW 8260C SIM	155	60-140	5	7.75
14100161-007	4-Bromofluorobenzene	SW 8260C SIM	155	60-140	5	7.75
14100161-008	4-Bromofluorobenzene	SW 8260C SIM	169	60-140	5	8.45
14100161-008	4-Bromofluorobenzene	SW 8260C SIM	169	60-140	5	8.45

Sample Discrepancy / Resolution Form

Company: Endpoint

Laboratory #: 1410D161 Control #: 098648 #099671

Sample Identification: _____

Discrepancy:

No collect date on C.O.C.

Collect date on sample containers is 10/15/14. - Correct which "Metals" ??

Resolution:

As, Ba, Cd, Cr, Cu, Fe, Pb, Mn, Se, Ag, Zn, Hg

C. Daniels
Received By Sample Custodian

10-16-14
Date

Please CC to the following people:

Friday, February 06, 2015

Katie Snyder
Endpoint
25 Buttrick Rd Unit D2
Londonderry NH 03053

Project Name: W. Brookfield / Wigwam LF

Lab ID: 15010231

Project #: 2060-001

Date Received: 1/29/2015

Project Location: W. Brookfield MA

Control #: 100622

Dear Katie Snyder

Enclosed please find the laboratory results for the above referenced samples that were received by the ChemServe sample custodian on the above referenced date. Any abnormalities to the samples upon receipt would be noted on the enclosed chain of custody document. This report is not valid without a completed chain of custody with the corresponding control number, attached.

All samples analyzed by ChemServe are subject to quality standards. These standards are as stringent or more stringent than those established under NELAC, 40 CFR Part 136, state certification programs, and corresponding methodologies. ChemServe has a written QA/QC Procedures Manual that outlines these standards, and is available for your reference, upon request. Unless otherwise stated on the Chain of Custody or within the report, all holding times, preservation techniques, container types, and analytical methods are analogous with those outlined by NELAC. All units are based on "as received" weight unless denoted "dry".

I certify that I have reviewed the above referenced analytical data and state forms, and I have found this report within compliance with the procedures outlined within NELAC. ChemServe's certified parameter list can be found at <http://www.chemservelab.com/Laboratory-Information-and-Documentation.aspx>



Jay Chrystal - President/Laboratory Director

Endpoint		Lab ID: 15010231
Katie Snyder	Control #: 100622	Date: 2/6/2015
25 Buttrick Rd Unit D2	Project Number: 2060-001	
Londonderry NH 03053	Project Name: W. Brookfield / Wigwam LF	
	Project Location: W. Brookfield MA	
		Lab ID: 15010231

Sample Receiving and Comment Summary

Were samples submitted with a chain of custody?	Yes
Do all samples received match the chain of custody?	Yes
Were all samples received within applicable holding times?	Yes
Were all containers intact when received?	Yes
Was there evidence of cooling if required?	Yes
Were samples for volatile organic analysis free of headspace (per method)?	Yes
Was the cooler temperature recorded if applicable?	Yes
If the sample pH was not correct was it adjusted where applicable?	Yes
Were samples for dissolved metals already filtered by the client or field sampling?	N/A
Were Samples for O-phos filtered in the field?	N/A
Were samples received in the appropriate containers?	Yes

Sample	Method	Client Identity	Matrix	Analyst
15010231-001	EPA 524.2 SIM	72 New Braintree	Drinking Water	PaulF

Comment: no comment

* Blank comment sections denote "No Comment"



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Endpoint	<u>Analytical Results</u>			
Katie Snyder	Control #:	100622	Lab ID:	15010231
25 Buttrick Rd Unit D2	Project Number:	2060-001	Date:	2/6/2015
Londonderry NH 03053	Project Name:	W. Brookfield / Wigwam LF		
	Project Location:	W. Brookfield MA		

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
15010231-001	72 New Braintree	1/29/2015 8:30:00 AM	Drinking Water

Composite Start Date and Time	1/29/2015 8:30:00 AM	Composite End Date and Time
Parameter	Method	Result

Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	EPA 524.2 SIM	< 0.2 ug/L		2/5/2015	1	0.2



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Endpoint	<u>Analytical Results</u>			
Katie Snyder	Control #:	100622	Lab ID:	15010231
25 Buttrick Rd Unit D2	Project Number:	2060-001	Date:	2/6/2015
Londonderry NH 03053	Project Name:	W. Brookfield / Wigwam LF		
	Project Location:	W. Brookfield MA		

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix			
15010231-002	81 New Braintree	1/29/2015 9:00:00 AM	Drinking Water			
Composite Start Date and Time		Composite End Date and Time				
Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	EPA 524.2 SIM	< 0.2 ug/L		2/5/2015	1	0.2



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Endpoint Analytical Results
Katie Snyder Control #: 100622
25 Buttrick Rd Unit D2 Project Number: 2060-001
Londonderry NH 03053 Project Name: W. Brookfield / Wigwam LF
Project Location: W. Brookfield MA

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
15010231-003	89 New Braintree	1/29/2015 9:40:00 AM	Drinking Water

Composite Start Date and Time	1/29/2015 9:40:00 AM	Composite End Date and Time
Parameter	Method	Result Qualifier Date/Time Analyzed Dilution Factor RDL

1,4-Dioxane EPA 524.2 SIM 5.17 ug/L 2/5/2015 1 0.2



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Endpoint Analytical Results
Katie Snyder Control #: 100622
25 Buttrick Rd Unit D2 Project Number: 2060-001 Lab ID: 15010231
Londonderry NH 03053 Project Name: W. Brookfield / Wigwam LF Date: 2/6/2015
Project Location: W. Brookfield MA

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
15010231-004	Trip Blank	1/29/2015	Drinking Water

Composite Start Date and Time	1/29/2015	Composite End Date and Time	
Parameter	Method	Result	Qualifier

1,4-Dioxane EPA 524.2 SIM < 0.2 ug/L 2/5/2015 1 0.2

Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	EPA 524.2 SIM	< 0.2 ug/L		2/5/2015	1	0.2

Qualifier: **Description:**
B- Method blank contaminated with target analyte.
B1- BOD had total oxygen loss. Result reported as ">" the highest dilution.
B2- BOD had no oxygen loss. Result reported as "<" the lowest dilution.
G- Reporting limit elevated due to matrix interference.
H- Method prescribed holding time exceeded.
J- Indicates an estimated value. Value is less than the quantitation limit.
LH- Laboratory control spike(s) was high. Results may be biased high.
LL- Laboratory control spike(s) was low. Results may be biased low.
MH- Matrix spike recovery high due to matrix. Results may be biased high.
ML- Matrix spike recovery low due to matrix. Results may be biased low.
NC- Spike recovery was not calculated due to the concentration of the analyte being >4 times the concentration of the spike added.
R- RPD outside acceptable recovery limits.
RO- Sample received out of holding time.
SH- Surrogate recovery high due to matrix
SL- Surrogate recovery low due to matrix
TNTC- Too numerous to count.
U- BOD/CBOD blank had an oxygen depletion greater than the suggested amount of 0.200.
V- Sample pH for volatile analysis was not <2 when checked at time of analysis.



Surrogate Report

Client: Endpoint

Order #: 15010231

Matrix: Drinking Water

Units: ug/L		Method	Percent	Control	Surrogate	Surrogate
Sample Number	Surrogate		Recovery	Limits	Amount	Result
15010231-001	4-Bromofluorobenzene	EPA 524.2 SIM	100.8	60-140	5	5.04
15010231-002	4-Bromofluorobenzene	EPA 524.2 SIM	101.4	60-140	5	5.07
15010231-003	4-Bromofluorobenzene	EPA 524.2 SIM	92.4	60-140	5	4.62
15010231-004	4-Bromofluorobenzene	EPA 524.2 SIM	105.2	60-140	5	5.26

ChemService
ENVIRONMENTAL ANALYSTS

317 Elm Street Milford, NH 03055
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Thursday, May 07, 2015

Revised Report

Katie Snyder
Endpoint
25 Buttrick Rd Unit D2
Londonderry NH 03053

Project Name: W. Brookfield / Wigwam LF**Lab ID:** 15040257**Project #:** 2060-001**Date Received:** 4/24/2015**Project Location:** W. Brookfield MA**Control #:** 099730

Dear Katie Snyder

This revised report supercedes the original report pages for the above referenced Lab ID. The original Report was dated: 5/6/2015 and is superceded by this report dated: 5/7/2015

Please refer to the Comment Summary Page for revision explanations. Replace the original report that was issued with this revised report.

Enclosed please find the laboratory results for the above referenced samples that were received by the ChemServe sample custodian on the above referenced date. Any abnormalities to the samples upon receipt would be noted on the enclosed chain of custody document. This report is not valid without a completed ChemServe chain of custody with the corresponding control number, attached.

All samples analyzed by ChemServe are subject to quality standards. These standards are as stringent or more stringent than those established under NELAC, 40 CFR Part 136, state certification programs, and corresponding methodologies. ChemServe has a written QA/QC Procedures Manual that outlines these standards, and is available for your reference, upon request. Unless otherwise stated on the Chain of Custody or within the report, all holding times, preservation techniques, container types, and analytical methods are analogous with those outlined by NELAC. All units are based on "as received" weight unless denoted "dry".

Residual chlorine, sulfite and pH are intended to be performed as an immediate field analysis. Should any of these analyses be performed in the lab instead of in the field it will result in those analyses being performed out of holding time.

I certify that I have reviewed the above referenced analytical data and state forms, and I have found this report within compliance with the procedures outlined within NELAC. ChemServe's certified parameter list can be found at <http://www.chemservelab.com/Laboratory-Information-and-Documentation.aspx>

Jay Chrystal - President/Laboratory Director

Endpoint		Lab ID: 15040257
Katie Snyder	Control #: 099730	Date: 5/7/2015
25 Buttrick Rd Unit D2	Project Number: 2060-001	
Londonderry NH 03053	Project Name: W. Brookfield / Wigwam LF	
	Project Location: W. Brookfield MA	
		Lab ID: 15040257

Sample Receiving and Comment Summary

Were samples submitted with a chain of custody?	Yes
Do all samples received match the chain of custody?	Yes
Were all samples received within applicable holding times?	Yes
Were all containers intact when received?	Yes
Was there evidence of cooling if required?	Yes
Were samples for volatile organic analysis free of headspace (per method)?	Yes
Was the cooler temperature recorded if applicable?	Yes
If the sample pH was not correct was it adjusted where applicable?	Yes
Were samples for dissolved metals already filtered by the client or field sampling?	N/A
Were Samples for O-phos filtered in the field?	N/A
Were samples received in the appropriate containers?	Yes

Sample	Method	Client Identity	Matrix	Analyst
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15040257-001 SW 8260C SIM	72 New Braintree Rd.	Groundwater	PaulF
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Comment: Report revised 7May2015 for reanalysis results.

* Blank comment sections denote "No Comment"



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Endpoint Analytical Results
Katie Snyder Control #: 099730 Lab ID: 15040257
25 Buttrick Rd Unit D2 Project Number: 2060-001 Date: 5/7/2015
Londonderry NH 03053 Project Name: W. Brookfield / Wigwam LF
Project Location: W. Brookfield MA

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
15040257-001	72 New Braintree Rd.	4/22/2015 8:35:00 AM	Groundwater

Composite Start Date and Time 4/22/2015 8:35:00 AM Composite End Date and Time

Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	SW 8260C SIM	< 0.2 ug/L		5/5/2015	1	0.2



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Endpoint Analytical Results
Katie Snyder Control #: 099730 Lab ID: 15040257
25 Buttrick Rd Unit D2 Project Number: 2060-001 Date: 5/7/2015
Londonderry NH 03053 Project Name: W. Brookfield / Wigwam LF
Project Location: W. Brookfield MA

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
15040257-002	81 New Braintree Rd.	4/22/2015 8:55:00 AM	Groundwater

Composite Start Date and Time	4/22/2015 8:55:00 AM	Composite End Date and Time
Parameter	Method	Result Qualifier Date/Time Analyzed Dilution Factor RDL

1,4-Dioxane SW 8260C SIM < 0.2 ug/L 5/4/2015 1 0.2



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Endpoint	<u>Analytical Results</u>			
Katie Snyder	Control #:	099730	Lab ID:	15040257
25 Buttrick Rd Unit D2	Project Number:	2060-001	Date:	5/7/2015
Londonderry NH 03053	Project Name:	W. Brookfield / Wigwam LF		
	Project Location:	W. Brookfield MA		

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
15040257-003	89 New Braintree Rd.	4/22/2015 9:15:00 AM	Groundwater

Composite Start Date and Time 4/22/2015 9:15:00 AM Composite End Date and Time

Parameter	Method	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	SW 8260C SIM	3.21 ug/L		5/5/2015	1	0.2



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Endpoint		<u>Analytical Results</u>	
Katie Snyder	Control #: 099730	Lab ID:	15040257
25 Buttrick Rd Unit D2	Project Number: 2060-001	Date:	5/7/2015
Londonderry NH 03053	Project Name: W. Brookfield / Wigwam LF		
	Project Location: W. Brookfield MA		

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
15040257-004	Trip Blank	4/22/2015 6:30:00 AM	Groundwater

Composite Start Date and Time	4/22/2015 6:30:00 AM	Composite End Date and Time	
Parameter	Method	Result	Qualifier

1,4-Dioxane	SW 8260C SIM	< 0.2 ug/L	5/4/2015	1	0.2
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Qualifier: Description:

- B- Method blank contaminated with target analyte.
B1- BOD had total oxygen loss. Result reported as ">" the highest dilution.
B2- BOD had no oxygen loss. Result reported as "<" the lowest dilution.
G- Reporting limit elevated due to matrix interference.
H- Method prescribed holding time exceeded.
J- Indicates an estimated value. Value is less than the quantitation limit.
IL- Internal Standard(s) recovery was low due to matrix. Result may be biased high.
IH- Internal Standard(s) recovery was high due to matrix. Result may be biased low.
LH- Laboratory control spike(s) was high. Results may be biased high.
LL- Laboratory control spike(s) was low. Results may be biased low.
MH- Matrix spike recovery high due to matrix. Results may be biased high.
ML- Matrix spike recovery low due to matrix. Results may be biased low.
N- Non-target compound. Reported as a TIC.
NC- Spike recovery was not calculated due to the concentration of the analyte being >4 times the concentration of the spike added.
R- RPD outside acceptable recovery limits.
RO- Sample received out of holding time.
SH- Surrogate recovery high due to matrix
SL- Surrogate recovery low due to matrix
U- BOD/CBOD blank had an oxygen depletion greater than the suggested amount of 0.200.
V- Sample pH for volatile analysis was not <2 when checked at time of analysis.
Z- Too numerous to count (TNTC)

An "A" in the result column on the report indicates absent for presence/absent bacteria and a "P" indicates present for presence/absent bacteria.



Surrogate Report

Client: Endpoint

Order #: 15040257

Matrix: Groundwater

Units: ug/L		Method	Percent	Control	Surrogate	Surrogate
Sample Number	Surrogate		Recovery	Limits	Amount	Result
15040257-001	4-Bromofluorobenzene	SW 8260C SIM	114.2	60-140	5	5.71
15040257-001	4-Bromofluorobenzene	SW 8260C SIM	114.2	60-140	5	5.71
15040257-002	4-Bromofluorobenzene	SW 8260C SIM	84	60-140	5	4.2
15040257-002	4-Bromofluorobenzene	SW 8260C SIM	84	60-140	5	4.2
15040257-003	4-Bromofluorobenzene	SW 8260C SIM	114.2	60-140	5	5.71
15040257-003	4-Bromofluorobenzene	SW 8260C SIM	114.2	60-140	5	5.71
15040257-004	4-Bromofluorobenzene	SW 8260C SIM	123.8	60-140	5	6.19
15040257-004	4-Bromofluorobenzene	SW 8260C SIM	123.8	60-140	5	6.19

ChemServe
ENVIRONMENTAL ANALYSIS

317 Elm Street Milford, NH 03055
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Monday, August 10, 2015

Katie Snyder
Endpoint
25 Buttrick Rd Unit D2
Londonderry NH 03053

Project Name: W. Brookfield / Wigwam LF

Lab ID: 15070401

Project #: 2060-001

Date Received: 7/31/2015

Project Location: W. Brookfield MA

Control #: 102262

Dear Katie Snyder

Enclosed please find the laboratory results for the above referenced samples that were received by the ChemServe sample custodian on the above referenced date. Any abnormalities to the samples upon receipt would be noted on the enclosed chain of custody document. This report is not valid without a completed chain of custody with the corresponding control number, attached.

All samples analyzed by ChemServe are subject to quality standards. These standards are as stringent or more stringent than those established under NELAC, 40 CFR Part 136, state certification programs, and corresponding methodologies. ChemServe has a written QA/QC Procedures Manual that outlines these standards, and is available for your reference, upon request. Unless otherwise stated on the Chain of Custody or within the report, all holding times, preservation techniques, container types, and analytical methods are analogous with those outlined by NELAC. All units are based on "as received" weight unless denoted "dry".

Residual chlorine, sulfite and pH are intended to be performed as an immediate field analysis. Should any of these analyses be performed in the lab instead of in the field it will result in those analyses being performed out of holding time.

I certify that I have reviewed the above referenced analytical data and state forms, and I have found this report within compliance with the procedures outlined within NELAC. ChemServe's certified parameter list can be found at <http://www.chemservelab.com/Laboratory-Information-and-Documentation.aspx>

Jay Chrystal - President/Laboratory Director

Endpoint		Lab ID:	15070401	
Katie Snyder	Control #:	102262	Date:	8/10/2015
25 Buttrick Rd Unit D2	Project Number:	2060-001		
Londonderry NH 03053	Project Name:	W. Brookfield / Wigwam LF		
	Project Location:	W. Brookfield MA		

Lab ID: 15070401

Sample Receiving and Comment Summary

Were samples submitted with a chain of custody?	Yes
Do all samples received match the chain of custody?	Yes
Were all samples received within applicable holding times?	Yes
Were all containers intact when received?	Yes
Was there evidence of cooling if required?	Yes
Were samples for volatile organic analysis free of headspace (per method)?	Yes
Was the cooler temperature recorded if applicable?	Yes
If the sample pH was not correct was it adjusted where applicable?	Yes
Were samples for dissolved metals already filtered by the client or field sampling?	N/A
Were Samples for O-phos filtered in the field?	N/A
Were samples received in the appropriate containers?	Yes

Sample	Method	Client Identity	Matrix	Analyst
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15070401-004 EPA 524.2 SIM	Trip Blank	Drinking Water	JustinF
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Comment: Trip blank contaminated. Not enough sample to re-run for confirmation.

* Blank comment sections denote "No Comment"



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Endpoint

Katie Snyder
25 Buttrick Rd Unit D2
Londonderry NH 03053

Control #: 102262
Project Number: 2060-001
Project Name: W. Brookfield / Wigwam LF
Project Location: W. Brookfield MA

Analytical Results

Lab ID: 15070401
Date: 8/10/2015

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix				
15070401-001	72 New Braintree Rd	7/31/2015 7:00:00 AM	Drinking Water				
Parameter	Method	Result	MCL	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	EPA 524.2 SIM	< 0.2 ug/L			8/5/2015	1	0.2



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Endpoint

Katie Snyder
25 Buttrick Rd Unit D2
Londonderry NH 03053

Control #: 102262
Project Number: 2060-001
Project Name: W. Brookfield / Wigwam LF
Project Location: W. Brookfield MA

Analytical Results

Lab ID: 15070401
Date: 8/10/2015

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix				
15070401-002	81 New Braintree Rd	7/31/2015 7:15:00 AM	Drinking Water				
Parameter	Method	Result	MCL	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	EPA 524.2 SIM	< 0.2 ug/L			8/5/2015	1	0.2



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Endpoint

Katie Snyder
25 Buttrick Rd Unit D2
Londonderry NH 03053

Control #: 102262
Project Number: 2060-001
Project Name: W. Brookfield / Wigwam LF
Project Location: W. Brookfield MA

Analytical Results

Lab ID: 15070401
Date: 8/10/2015

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix				
15070401-003	89 New Braintree Rd	7/31/2015 7:45:00 AM	Drinking Water				
Parameter	Method	Result	MCL	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	EPA 524.2 SIM	4.95 ug/L		B	8/4/2015	1	0.2



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Endpoint		<u>Analytical Results</u>	
Katie Snyder	Control #: 102262	Lab ID:	15070401
25 Buttrick Rd Unit D2	Project Number: 2060-001	Date:	8/10/2015
Londonderry NH 03053	Project Name: W. Brookfield / Wigwam LF		
	Project Location: W. Brookfield MA		

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
15070401-004	Trip Blank	7/31/2015 5:00:00 AM	Drinking Water

Parameter	Method	Result	MCL	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	EPA 524.2 SIM	0.840 ug/L			8/4/2015	1	0.2

Qualifier: **Description:**

- B- Method blank contaminated with target analyte.
B1- BOD had total oxygen loss. Result reported as ">" the highest dilution.
B2- BOD had no oxygen loss. Result reported as "<" the lowest dilution.
G- Reporting limit elevated due to matrix interference.
H- Method prescribed holding time exceeded.
J- Indicates an estimated value. Value is less than the quantitation limit.
IL- Internal Standard(s) recovery was low due to matrix. Result may be biased high.
IH- Internal Standard(s) recovery was high due to matrix. Result may be biased low.
LH- Laboratory control spike(s) was high. Results may be biased high.
LL- Laboratory control spike(s) was low. Results may be biased low.
MH- Matrix spike recovery high due to matrix. Results may be biased high.
ML- Matrix spike recovery low due to matrix. Results may be biased low.
N- Non-target compound. Reported as a TIC.
NC- Spike recovery was not calculated due to the concentration of the analyte being >4 times the concentration of the spike added.
R- RPD outside acceptable recovery limits.
RO- Sample received out of holding time.
SH- Surrogate recovery high due to matrix
SL- Surrogate recovery low due to matrix
U- BOD/CBOD blank had an oxygen depletion greater than the suggested amount of 0.200.
V- Sample pH for volatile analysis was not <2 when checked at time of analysis.
Z- Too numerous to count (TNTC)

MCL is the Maximum Contaminant Level allowed. Any result exceeding the MCL is considered unsatisfactory.

Total Trihalomethane MCL is 80ug/l.

The Perchlorate MCL of 2.0ug/l is based on the Massachusetts Department of Environmental Protection.

An "A" in the result column on the report indicates absent for presence/absent bacteria and a "P" indicates present for presence/absent bacteria.



Surrogate Report

Client: Endpoint

Order #: 15070401

Matrix: Drinking Water

Units: ug/L		Method	Percent	Control	Surrogate	Surrogate
Sample Number	Surrogate		Recovery	Limits	Amount	Result
15070401-001	4-Bromofluorobenzene	EPA 524.2 SIM	99.6	60-140	5	4.98
15070401-002	4-Bromofluorobenzene	EPA 524.2 SIM	99.8	60-140	5	4.99
15070401-003	4-Bromofluorobenzene	EPA 524.2 SIM	104.4	60-140	5	5.22
15070401-004	4-Bromofluorobenzene	EPA 524.2 SIM	102.2	60-140	5	5.11



317 Elm Street Milford, NH 03055
(603) 673-5440/Fax (603) 673-0366

CHAIN OF CUSTODY

A CUSTOMER INFORMATION		B PROJECT INFORMATION		C SAMPLE INFORMATION			
CUSTOMER: End Point LLC		JOB NAME: W.Brockfield / Wigginham LF		TURNAROUND TIME: (CIRCLE ONE)			
ADDRESS: 25 Buttrick Rd, D2		JOB NUMBER: 2040-001		10 DAY STANDARD <input checked="" type="checkbox"/> RUSH (MUST BE PRE-APPROVED)			
CITY/STATE/ZIP: Windberry NH 03053		LOCATION: W.Brockfield		7 day <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> 2 day <input type="checkbox"/> 1 day <input type="checkbox"/> Same Day			
TELEPHONE: (603) 925-3610		INVOICE EMAIL:		MCP <input type="checkbox"/> YES <input type="checkbox"/> GW1 <input type="checkbox"/> GW3			
REPORT TO: Katie Snyder		EMAIL TO: k.snyder@endpointllc.com		<input type="checkbox"/> NO <input type="checkbox"/> GW2			
P.O. NUMBER:				INVOICE TO:			
STATION # ①	SAMPLE IDENTIFICATION & LOCATION ②		COLLECTED	SAMPLE TYPE ③	① MATRIX SOLID(S) LIQUID(L) COMBINED(C) HAZARD(H)		
	④ DATE	⑤ TIME	⑥	⑦	⑧ # OF CONTAINERS		
	7/3/15	6700	X	L	2	2	1,4-Dioxane (5mL)
	7/3/15	0745	X	L	2	2	11
	7/3/15	0500	X	L	1	1	11
							ES
⑨ CUSTODY	SAMPLER: <u>Katie Snyder</u>	DATE TIME	MILITARY TIME	SAMPLE CHECK LIST: RECEIVED WITHIN HOLD TIME <input checked="" type="checkbox"/> YES OR <input type="checkbox"/> NO RECEIVED IN GOOD CONDITION <input checked="" type="checkbox"/> YES OR <input type="checkbox"/> NO TEMP BLANK <u>73</u> °C SHIPPED OR GROUND DELIVERED			
RELINQUISHED:	<u>Katie Snyder</u>	DATE TIME	DATE TIME	SAMPLES RECEIVED PROPERLY PRESERVED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A SAMPLES FILTERED IN FIELD <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A IF NO EXPLAIN:			
RECEIVED:							
RELINQUISHED:							
RECEIVED FOR LAB:							
				FIELD READING(S) & COMMENTS: <u>Drinking Water.</u>			
				GROUP # 15070401 87			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

November 6, 2015

Katie Snyder
End Point LLC
25 Buttrick Road, Suite 2
Londonderry, NH 03053-3353

Project Location: Wigwam Landfill
Client Job Number:
Project Number: 2060-001
Laboratory Work Order Number: 15K0107

Enclosed are results of analyses for samples received by the laboratory on November 3, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georganas".

James M. Georganas
Project Manager

Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	5
15K0107-01	5
15K0107-02	6
15K0107-03	7
15K0107-04	8
15K0107-05	9
15K0107-06	10
15K0107-07	11
Sample Preparation Information	12
QC Data	13
1,4-Dioxane by isotope dilution GC/MS	13
B134562	13
Flag/Qualifier Summary	14
Certifications	15
Chain of Custody/Sample Receipt	16



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End Point LLC
25 Buttrick Road, Suite 2
Londonderry, NH 03053-3353
ATTN: Katie Snyder

REPORT DATE: 11/6/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2060-001

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15K0107

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Wigwam Landfill

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
72 New Braintree Rd	15K0107-01	Drinking Water		SW-846 8270D	
110 New Braintree Rd	15K0107-02	Drinking Water		SW-846 8270D	
81 New Braintree Rd	15K0107-03	Drinking Water		SW-846 8270D	
127 New Braintree Rd	15K0107-04	Drinking Water		SW-846 8270D	
42 Wigwam Rd	15K0107-05	Drinking Water		SW-846 8270D	
89 New Braintree Rd	15K0107-06	Drinking Water		SW-846 8270D	
118 New Braintree Rd	15K0107-07	Drinking Water		SW-846 8270D	



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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A photograph of a handwritten signature in black ink, which appears to read "Johanna K. Harrington". The signature is fluid and cursive.

Johanna K. Harrington
Manager, Laboratory Reporting



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Wigwam Landfill

Sample Description:

Work Order: 15K0107

Date Received: 11/3/2015

Field Sample #: 72 New Braintree Rd

Sampled: 11/3/2015 07:30

Sample ID: 15K0107-01

Sample Matrix: Drinking Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	MCL/SMCL		Dilution	Flag/Qual	Method	Date Prepared	Date/Time	
			MA ORSG	Units					Analyzed	Analyst
1,4-Dioxane	ND	0.20		µg/L	1		SW-846 8270D	11/4/15	11/5/15 18:30	CJM
Surrogates			% Recovery	Recovery Limits		Flag/Qual				
1,4-Dioxane-d8			25.4	15-110					11/5/15 18:30	



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Project Location: Wigwam Landfill

Sample Description:

Work Order: 15K0107

Date Received: 11/3/2015

Field Sample #: 110 New Braintree Rd

Sampled: 11/3/2015 07:55

Sample ID: 15K0107-02

Sample Matrix: Drinking Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	MCL/SMCL		Dilution	Flag/Qual	Method	Date Prepared	Date/Time	
			MA ORSG	Units					Analyzed	Analyst
1,4-Dioxane	ND	0.20		µg/L	1		SW-846 8270D	11/4/15	11/5/15 18:50	CJM
Surrogates			% Recovery	Recovery Limits		Flag/Qual				
1,4-Dioxane-d8			20.3	15-110					11/5/15 18:50	



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Project Location: Wigwam Landfill

Sample Description:

Work Order: 15K0107

Date Received: 11/3/2015

Field Sample #: 81 New Braintree Rd

Sampled: 11/3/2015 08:30

Sample ID: 15K0107-03

Sample Matrix: Drinking Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	MCL/SMCL		Dilution	Flag/Qual	Method	Date Prepared	Date/Time	
			MA ORSG	Units					Analyzed	Analyst
1,4-Dioxane	0.37	0.20		µg/L	1		SW-846 8270D	11/4/15	11/5/15 19:11	CJM
Surrogates										
1,4-Dioxane-d8			% Recovery	Recovery Limits		Flag/Qual			11/5/15 19:11	
			24.5	15-110						



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Project Location: Wigwam Landfill

Sample Description:

Work Order: 15K0107

Date Received: 11/3/2015

Field Sample #: 127 New Braintree Rd

Sampled: 11/3/2015 09:20

Sample ID: 15K0107-04

Sample Matrix: Drinking Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	MCL/SMCL		Dilution	Flag/Qual	Method	Date Prepared	Date/Time	
			MA ORSG	Units					Analyzed	Analyst
1,4-Dioxane	ND	0.20		µg/L	1		SW-846 8270D	11/4/15	11/5/15 19:31	CJM
Surrogates			% Recovery	Recovery Limits		Flag/Qual				
1,4-Dioxane-d8			27.3	15-110					11/5/15 19:31	



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Project Location: Wigwam Landfill

Sample Description:

Work Order: 15K0107

Date Received: 11/3/2015

Field Sample #: 42 Wigwam Rd

Sampled: 11/3/2015 09:45

Sample ID: 15K0107-05

Sample Matrix: Drinking Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	MCL/SMCL		Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Date/Time Analyst
			MA ORSG	Units				11/4/15	11/5/15 19:52	CJM
1,4-Dioxane	ND	0.20		µg/L	1		SW-846 8270D			
Surrogates										
1,4-Dioxane-d8		26.4		15-110				11/5/15	19:52	



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Project Location: Wigwam Landfill

Sample Description:

Work Order: 15K0107

Date Received: 11/3/2015

Field Sample #: 89 New Braintree Rd

Sampled: 11/3/2015 10:40

Sample ID: 15K0107-06

Sample Matrix: Drinking Water

 1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	MCL/SMCL		Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Date/Time Analyst
			MA ORSG	Units				11/4/15	11/5/15 20:12	CJM
1,4-Dioxane	1.5	0.20		µg/L	1		SW-846 8270D			
Surrogates										
1,4-Dioxane-d8	26.1			15-110				11/5/15	20:12	



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Project Location: Wigwam Landfill

Sample Description:

Work Order: 15K0107

Date Received: 11/3/2015

Field Sample #: 118 New Braintree Rd

Sampled: 11/3/2015 12:05

Sample ID: 15K0107-07

Sample Matrix: Drinking Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	MCL/SMCL		Dilution	Flag/Qual	Method	Date Prepared	Date/Time	
			MA ORSG	Units					Analyzed	Analyst
1,4-Dioxane	ND	0.20		µg/L	1		SW-846 8270D	11/4/15	11/5/15 20:32	CJM
Surrogates										
1,4-Dioxane-d8		28.6		15-110					11/5/15 20:32	



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Sample Extraction Data

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15K0107-01 [72 New Braintree Rd]	B134562	1000	1.00	11/04/15
15K0107-02 [110 New Braintree Rd]	B134562	1000	1.00	11/04/15
15K0107-03 [81 New Braintree Rd]	B134562	1000	1.00	11/04/15
15K0107-04 [127 New Braintree Rd]	B134562	1000	1.00	11/04/15
15K0107-05 [42 Wigwam Rd]	B134562	1000	1.00	11/04/15
15K0107-06 [89 New Braintree Rd]	B134562	1000	1.00	11/04/15
15K0107-07 [118 New Braintree Rd]	B134562	1000	1.00	11/04/15



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QUALITY CONTROL

1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B134562 - SW-846 3510C										
Blank (B134562-BLK1)										
1,4-Dioxane	ND	0.20	µg/L							
Surrogate: 1,4-Dioxane-d8	2.79		µg/L	10.0		27.9	15-110			
LCS (B134562-BS1)										
1,4-Dioxane	11.9	0.20	µg/L	10.0		119	40-140			
Surrogate: 1,4-Dioxane-d8	2.78		µg/L	10.0		27.8	15-110			
LCS Dup (B134562-BSD1)										
1,4-Dioxane	12.1	0.20	µg/L	10.0		121	40-140	1.89	30	
Surrogate: 1,4-Dioxane-d8	2.47		µg/L	10.0		24.7	15-110			



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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.



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CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
No certified Analyses included in this Report	

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2016
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016



CHAIN OF CUSTODY RECORD

Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

www.contestlabs.com

5K0107
Rev D0512

Page 1 of 1

39 Spruce Street
East Longmeadow, MA 01028

Company Name: End Point LLC

Address: 25 Buttrick Rd

Unit-D2

Client PO#

Telephone: 4103 965 3810

Project # 2060-0001

 FAX EMAIL WEBSITE

Fax #

 PDF EXCEL GIS

Format:

 OTHER "Enhanced Data Package"

Collection:

 Beginning Date/Time Ending Date/Time Composite Grab Can Code Carton Code "Matrix Code" "Conc. Code" "Sample ID / Description "Laboratory use only" "Comments" "Notes" "Comments" "Notes"

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



Page 1 of 2

**Sample Receipt Checklist**CLIENT NAME: End Point

LLC

RECEIVED BY:

VDATE: 11/3/151) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included2) Does the chain agree with the samples? Yes No

If not, explain:

3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

On Ice Direct from Sampling Ambient In Cooler(s) Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/ATemperature °C by Temp blank _____ Temperature °C by Temp gun 3.85) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19 Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature:8) Do all samples have the proper Acid pH: Yes No N/A9) Do all samples have the proper Base pH: Yes No N/A10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A**Containers received at Con-Test**

	# of containers		# of containers
1 Liter Amber	<u>14</u>	8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____	# Methanol _____	Time and Date Frozen:
Doc# 277 # Bisulfate _____	# DI Water _____	
Rev. 4 August 2013 # Thiosulfate _____	Unpreserved	

Page 2 of 2

Login Sample Receipt Checklist(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

<u>Question</u>	<u>Answer (True/False)</u>	<u>Comment</u>
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements?

Date/Time:

Doc #277 Rev. 4 August 2013

Log-In Technician Initials: V?

Date/Time:

11/3/15 1645



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Wigwam LF

Sample Description:

Work Order: 15K0701

Date Received: 11/16/2015

Field Sample #: 81 New Braintree

Sampled: 11/13/2015 08:20

Sample ID: 15K0701-01

Sample Matrix: Drinking Water

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	MCL/SMCL		Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Date/Time Analyst
			MA ORSG	Units				11/17/15	11/18/15 11:44	CJM
1,4-Dioxane	0.26	0.20		µg/L	1		SW-846 8270D			
Surrogates										
1,4-Dioxane-d8		18.2		15-110				11/18/15	11:44	



317 Elm Street
Milford, NH 03055
(603) 673-5440
Sales@chemservelab.com

Endpoint Analytical Results
Katie Snyder Control #: 103234
25 Buttrick Rd Unit D2 Project Number: 2060-001
Londonderry NH 03053 Project Name: Wigwam Landfill
Project Location: W. Brookfield MA

Lab ID: 15110226
Date: 11/25/2015

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
15110226-001	EPA 524.2 SIM	Trip Blank	ug/L	Drinking Water	PatrickC

Start Date/Time Sampled: 11/13/2015 7:00:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	123-91-1	< 0.2 ug/L		11/24/2015	1	0.2

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
15110226-002	EPA 524.2 SIM	81 New Braintree	ug/L	Drinking Water	PatrickC

Start Date/Time Sampled: 11/13/2015 8:20:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	123-91-1	< 0.2 ug/L		11/24/2015	1	0.2

Tuesday, December 29, 2015

Katie Snyder
Endpoint
25 Buttrick Rd Unit D2
Londonderry NH 03053

Project Name: Wigwam Landfill

Lab ID: 15120198

Project #: 2060-001

Date Received: 12/16/2015

Project Location: W. Brookfield MA

Control #: 102957

Dear Katie Snyder

Enclosed please find the laboratory results for the above referenced samples that were received by the ChemServe sample custodian on the above referenced date. Any abnormalities to the samples upon receipt would be noted on the enclosed chain of custody document. This report is not valid without a completed chain of custody with the corresponding control number, attached.

All samples analyzed by ChemServe are subject to quality standards. These standards are as stringent or more stringent than those established under NELAC, 40 CFR Part 136, state certification programs, and corresponding methodologies. ChemServe has a written QA/QC Procedures Manual that outlines these standards, and is available for your reference, upon request. Unless otherwise stated on the Chain of Custody or within the report, all holding times, preservation techniques, container types, and analytical methods are analogous with those outlined by NELAC. All units are based on "as received" weight unless denoted "dry".

Residual chlorine, sulfite and pH are intended to be performed as an immediate field analysis. Should any of these analyses be performed in the lab instead of in the field it will result in those analyses being performed out of holding time.

I certify that I have reviewed the above referenced analytical data and state forms, and I have found this report within compliance with the procedures outlined within NELAC. ChemServe's certified parameter list can be found at <http://www.chemservelab.com/Laboratory-Information-and-Documentation.aspx>

Jay Chrystal - President/Laboratory Director

Endpoint

Katie Snyder
 25 Buttrick Rd Unit D2
 Londonderry NH 03053

Control #: 102957
 Project Number: 2060-001
 Project Name: Wigwam Landfill
 Project Location: W. Brookfield MA

Lab ID: 15120198
Date: 12/29/2015

Lab ID: 15120198

Sample Receiving and Comment Summary

Were samples submitted with a chain of custody?	Yes
Do all samples received match the chain of custody?	Yes
Were all samples received within applicable holding times?	Yes
Were all containers intact when received?	Yes
Was there evidence of cooling if required?	Yes
Were samples for volatile organic analysis free of headspace (per method)?	Yes
Was the cooler temperature recorded if applicable?	Yes
If the sample pH was not correct was it adjusted where applicable?	Yes
Were samples for dissolved metals already filtered by the client or field sampling?	N/A
Were Samples for O-phos filtered in the field?	N/A
Were samples received in the appropriate containers?	Yes

Sample	Method	Client Identity	Matrix	Analyst
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15120198-001 SW 8260C SIM

81 New Braintree Rd

Drinking Water

PaulF

Comment: no comment

* Blank comment sections denote "No Comment"



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Endpoint		<u>Analytical Results</u>	
Katie Snyder	Control #:	102957	Lab ID: 15120198
25 Buttrick Rd Unit D2	Project Number:	2060-001	Date: 12/29/2015
Londonderry NH 03053	Project Name:	Wigwam Landfill	
	Project Location:	W. Brookfield MA	

Sample	Client Sample Identity	Start Date/Time Sampled:	Matrix
15120198-001	81 New Braintree Rd	12/15/2015 8:35:00 AM	Drinking Water

Composite Start Date and Time	12/15/2015 8:35:00 AM	Composite End Date and Time	
Parameter	Method	Result	Qualifier

1,4-Dioxane	SW 8260C SIM	< 0.2 ug/L	R	12/28/2015	1	0.2
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Qualifier:	Description:
B-	Method blank contaminated with target analyte.
B1-	BOD had total oxygen loss. Result reported as ">" the highest dilution.
B2-	BOD had no oxygen loss. Result reported as "<" the lowest dilution.
G-	Reporting limit elevated due to matrix interference.
H-	Method prescribed holding time exceeded.
J-	Indicates an estimated value. Value is less than the quantitation limit.
IL-	Internal Standard(s) recovery was low due to matrix. Result may be biased high.
IH-	Internal Standard(s) recovery was high due to matrix. Result may be biased low.
LH-	Laboratory control spike(s) was high. Results may be biased high.
LL-	Laboratory control spike(s) was low. Results may be biased low.
MH-	Matrix spike recovery high due to matrix. Results may be biased high.
ML-	Matrix spike recovery low due to matrix. Results may be biased low.
N-	Non-target compound. Reported as a TIC.
NC-	Spike recovery was not calculated due to the concentration of the analyte being >4 times the concentration of the spike added.
R-	RPD outside acceptable recovery limits.
RO-	Sample received out of holding time.
SH-	Surrogate recovery high due to matrix
SL-	Surrogate recovery low due to matrix
U-	BOD/CBOD blank had an oxygen depletion greater than the suggested amount of 0.200.
V-	Sample pH for volatile analysis was not <2 when checked at time of analysis.
Z	Too numerous to count (TNTC)

An "A" in the result column on the report indicates absent for presence/absent bacteria and a "P" indicates present for presence/absent bacteria.



Surrogate Report

Client: Endpoint

Order #: 15120198

Matrix: Drinking Water

Units:	ug/L	Method	Percent Recovery	Control Limits	Surrogate Amount	Surrogate Result
Sample Number	Surrogate					
15120198-001	4-Bromofluorobenzene	SW 8260C SIM	102.6	60-140	5	5.13

Chain of Custody No. 102957

Multiple CoC's Yes

20

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ANALYSTS

317 Elm Street Milford, NH 03055
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Monday, January 25, 2016

Katie Snyder
Endpoint
25 Buttrick Rd Unit D2
Londonderry NH 03053

Project Name: W. Brookfield / Wigwam LF

Lab ID: 16010151

Project #: 2060-001

Date Received: 1/15/2016

Project Location: W. Brookfield MA

Control #: 103783

Dear Katie Snyder

Enclosed please find the laboratory results for the above referenced samples that were received by the ChemServe sample custodian on the above referenced date. Any abnormalities to the samples upon receipt would be noted on the enclosed chain of custody document. This report is not valid without a completed chain of custody with the corresponding control number, attached.

All samples analyzed by ChemServe are subject to quality standards. These standards are as stringent or more stringent than those established under NELAC, 40 CFR Part 136, state certification programs, and corresponding methodologies. ChemServe has a written QA/QC Procedures Manual that outlines these standards, and is available for your reference, upon request. Unless otherwise stated on the Chain of Custody or within the report, all holding times, preservation techniques, container types, and analytical methods are analogous with those outlined by NELAC. All units are based on "as received" weight unless denoted "dry".

Residual chlorine, sulfite and pH are intended to be performed as an immediate field analysis. Should any of these analyses be performed in the lab instead of in the field it will result in those analyses being performed out of holding time.

I certify that I have reviewed the above referenced analytical data and state forms, and I have found this report within compliance with the procedures outlined within NELAC. ChemServe's certified parameter list can be found at <http://www.chemservelab.com/Laboratory-Information-and-Documentation.aspx>

Jay Chrystal - President/Laboratory Director

Endpoint		Lab ID: 16010151
Katie Snyder	Control #: 103783	Date: 1/25/2016
25 Buttrick Rd Unit D2	Project Number: 2060-001	
Londonderry NH 03053	Project Name: W. Brookfield / Wigwam LF	
	Project Location: W. Brookfield MA	
		Lab ID: 16010151

Sample Receiving and Comment Summary

Were samples submitted with a chain of custody?	Yes
Do all samples received match the chain of custody?	Yes
Were all samples received within applicable holding times?	Yes
Were all containers intact when received?	Yes
Were samples within the required thermal preservation or had evidence of cooling?	Yes
Were samples for volatile organic analysis free of headspace (per method)?	Yes
Was the cooler temperature recorded if applicable?	Yes
If the sample pH was not correct was it adjusted where applicable?	Yes
Were samples for dissolved metals already filtered by the client or field sampling?	N/A
Were Samples for O-phos filtered in the field?	N/A
Were samples received in the appropriate containers?	Yes

Sample	Method	Client Identity	Matrix	Analyst
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16010151-001 EPA 524.2 SIM	Trip Blank	Drinking Water	PaulF
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Comment: no comment

* Blank comment sections denote "No Comment"



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Endpoint		<u>Analytical Results</u>		
Katie Snyder	Control #:	103783	Lab ID:	16010151
25 Buttrick Rd Unit D2	Project Number:	2060-001	Date:	1/25/2016
Londonderry NH 03053	Project Name:	W. Brookfield / Wigwam LF		
	Project Location:	W. Brookfield MA		

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
16010151-001	EPA 524.2 SIM	Trip Blank	ug/L	Drinking Water	PaulF

Start Date/Time Sampled: 1/15/2016 6:00:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	123-91-1	< 0.2 ug/L	R	1/22/2016	1	0.2

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
16010151-002	EPA 524.2 SIM	72 New Braintree Rd	ug/L	Drinking Water	PaulF

Start Date/Time Sampled: 1/15/2016 7:35:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	123-91-1	< 0.2 ug/L	R	1/22/2016	1	0.2

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
16010151-003	EPA 524.2 SIM	89 New Braintree Rd	ug/L	Drinking Water	PaulF

Start Date/Time Sampled: 1/15/2016 8:30:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	123-91-1	1.04 ug/L	R	1/22/2016	1	0.2

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
16010151-004	EPA 524.2 SIM	81 New Braintree Rd	ug/L	Drinking Water	PaulF

Start Date/Time Sampled: 1/15/2016 9:15:00 AM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,4-Dioxane	123-91-1	1.24 ug/L	R	1/22/2016	1	0.2

Qualifier: **Description:**

- B- Method blank contaminated with target analyte.
B1- BOD had total oxygen loss. Result reported as ">" the highest dilution.
B2- BOD had no oxygen loss. Result reported as "<" the lowest dilution.
G- Reporting limit elevated due to matrix interference.
H- Method prescribed holding time exceeded.
J- Indicates an estimated value. Value is less than the quantitation limit.
IL- Internal Standard(s) recovery was low due to matrix. Result may be biased high.
IH- Internal Standard(s) recovery was high due to matrix. Result may be biased low.
LH- Laboratory control spike(s) was high. Results may be biased high.
LL- Laboratory control spike(s) was low. Results may be biased low.
MH- Matrix spike recovery high due to matrix. Results may be biased high.
ML- Matrix spike recovery low due to matrix. Results may be biased low.
N- Non-target compound. Reported as a TIC.
NC- Spike recovery was not calculated due to the concentration of the analyte being >4 times the concentration of the spike added.
R- RPD outside acceptable recovery limits.
RO- Sample received out of holding time.
SH- Surrogate recovery high due to matrix
SL- Surrogate recovery low due to matrix
U- BOD/CBOD blank had an oxygen depletion greater than the suggested amount of 0.200.
V- Sample pH for volatile analysis was not <2 when checked at time of analysis.
Z- Too numerous to count (TNTC)

An "A" in the result column on the report indicates absent for presence/absent bacteria and a "P" indicates present for presence/absent bacteria.



Surrogate Report

Client: Endpoint

Order #: 16010151

Matrix: Drinking Water

Units: ug/L		Method	Percent	Control	Surrogate	Surrogate
Sample Number	Surrogate		Recovery	Limits	Amount	Result
16010151-001	4-Bromofluorobenzene	EPA 524.2 SIM	90.8	60-140	5	4.54
16010151-002	4-Bromofluorobenzene	EPA 524.2 SIM	90.8	60-140	5	4.54
16010151-003	4-Bromofluorobenzene	EPA 524.2 SIM	91.4	60-140	5	4.57
16010151-004	4-Bromofluorobenzene	EPA 524.2 SIM	91	60-140	5	4.55

ChemServe
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ANALYSIS

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