

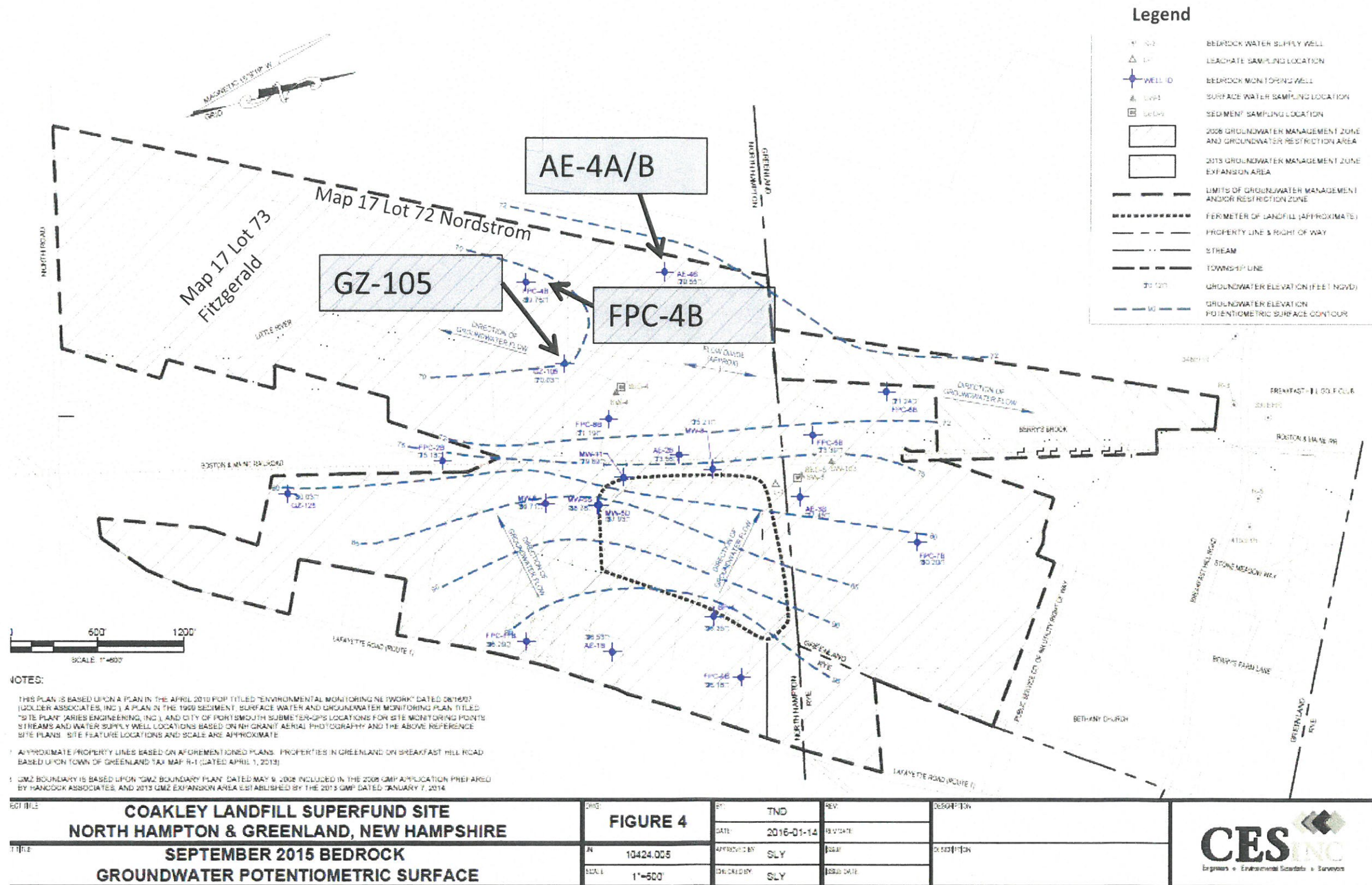


TABLE 10
Contaminants of Concern Analytical Data (November 2000 – September 2015)
1,4-Dioxane (Low Level Method) in Groundwater
Coakley Landfill Superfund Site
North Hampton and Greenland, New Hampshire

Well ID / Appox. Date	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15
Operating Unit 1 Wells											
BP-4	NA	NA	9	10	13	NS	NS	9.6	NS	12	11
MW-2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	NA	6	NS	6	2.5	NS	NS	4.8	NS	6.9	8.5
MW-5D	140	150	NS	140	140	NS	NS	INT	NS	130	150
MW-5S	70	90	NS	70	61	NS	NS	INT	NS	49	57
MW-6	< 1	NA	NS	< 1	< 0.25	NS	NS	< 0.25	NS	< 0.25	< 0.25
MW-8	310	230	NS	200	210	NS	NS	INT	NS	200	240
MW-9	NA	16	NS	14	30	NS	NS	6.1	NS	28	26
MW-10	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA
MW-11	100	45	NS	40	56	NS	NS	INT	NS	41	38
OP-2	NA	1	NS	1	1	NS	NS	1.2	NS	1.5	1.6
OP-5	NA	< 1	NS	< 1	NA	NS	NS	NA	NS	NA	NA
Operating Unit 2 Wells											
AE-1A	NA	NA	NS	< 1	NA	NS	NS	NA	NS	NA	NA
AE-1B	NA	NA	NS	< 1	NA	NS	NS	NA	NS	NA	NA
AE-2A	NA	12	NS	14	16	NS	NS	15	NS	16	13
AE-2B	NA	110	NS	80	82	NS	NS	88	NS	87	96
AE-3A	NA	23	NS	19	24	NS	NS	21	NS	25	24
AE-3B	NA	24	NS	19	27	NS	NS	INT	NS	26	25
AE-4A	NA	NA	NA	NA	< 0.25	NS	NS	NA	NS	NA	< 0.25
AE-4B	NA	NA	NA	NA	< 0.25	NS	NS	NA	NS	NA	< 0.25
FPC-2A	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS
FPC-2B	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS
FPC-4B	NA	NA	NA	NA	< 0.25	NA	NA	INT	NS	NA	NA
FPC-5A	NA	NA	NS	27	25	NS	NS	29	NS	NS	NS
FPC-5B	NA	NA	NS	50	53	NS	NS	INT	NS	64	67
FPC-6A	NA	NA	NS	NA	31	NS	NS	21	NS	26	30
FPC-6B	NA	NA	NS	NA	23	NS	NS	INT	NS	19	19
FPC-7A	NA	NA	NA	< 1	< 0.25	NA	NA	NA	NS	NA	NA
FPC-7B	NA	NA	NA	< 1	< 0.25	NA	NA	INT	NS	NA	NA
FPC-8A	NA	< 1	NS	< 1	0.51	NS	NS	0.6	NS	0.60	0.70
FPC-8B	NA	1	NS	< 1	0.93	NS	NS	INT	NS	0.62	0.81
FPC-9A	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA
FPC-9B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-9C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-11A	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA
FPC-11B	NA	NA	NS	NA	NA	NS	NS	NA	NS	INT	1.4
FPC-11C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-105	NA	NA	NS	80	98	NS	NS	INT	NS	69	62
GZ-123	NA	NA	NS	NA	NA	NS	NS	NS	NS	NS	NS
GZ-125	NA	NA	NS	NA	NA	NS	NS	NS	NS	NS	NS
Water Supply Wells											
R-3	NA	NA	NS	NA	0.4	0.45	NS	0.45	0.42	0.37	0.37
R-5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
346BHR	NS	NS	NS	NS	< 0.25	NS	NS	< 0.25	NS	< 0.25	< 0.25
339BHR	NS	NS	NS	NS	NS	NS	0.38	0.42	0.63	0.42	0.74
415BHR	NS	NS	NS	NS	NS	NS	< 0.25	< 0.25	NS	< 0.25	< 0.25

Table Notes:

1. All data in micrograms per liter (ug/L), parts per billion - Analysis by Method 8260B SIM (a low level detection limit methodology)
2. 1,4-dioxane not included on Method 8260B parameter list prior to August 2010. First analyses by 8260B SIM were completed in Aug. 2009.
3. Results for standard Method 8260B (detection limit of 50 ug/L) are not provided in this table
4. NHDES Ambient Groundwater Quality Standard (AGQS) for 1,4-dioxane is 3 ug/L. Exceedances are identified with GRAY shading.
5. An EPA Interim Cleanup Level (ICL) for 1,4-dioxane has not been established.

Abbreviations:

NA = Not Analyzed; NS = Not Sampled; INT = Interval Sampled; < ## = reported concentration is less than the detection limit (##)

Coakley Landfill Superfund Site - North Hampton and Greenland, New Hampshire

FIELD PARAMETERS																										
Dissolved Oxygen (mg/l)	---	---	N/A	N/A	0.9	1	0.7	N/A	2.8	2.1	1.4	1	0.8	<0.5	<0.5	4.5	3.9	1	0.7	1	1.7	1.3	<0.5	N/A	---	---
Oxidation Reduction Potential (mV)	---	---	N/A	N/A	-91	-136	-80	N/A	-47	75	317	97	-172	-60	-102	147	145	24	-187	-124	-149	-134	-151	N/A	---	---
pH (standard units)	---	---	N/A	N/A	6.6	7	6.8	N/A	5.2	6.3	6.4	6.1	7.8	6.6	6.6	6.5	6.6	6.8	8	7.2	7.4	7.2	7.2	N/A	---	---
Specific Conductance (us/cm)	---	---	N/A	N/A	530	1167	944	N/A	847	124	167	89	1099	777	482	145	159	334	225	1045	1196	4654	762	N/A	---	---
Temperature (degrees Celcius)	---	---	N/A	N/A	14	15	16	N/A	17	16	15	13	17	17	15	15	16.6	15	15	14	17	17	13	N/A	---	---
Turbidity (NTU)	---	---	N/A	N/A	<5	<5	<5	N/A	<5	33.9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	11	13	<5	N/A	---	---

TABLE 3 (continued)
Summary of September 2015 Groundwater Analytical Data
Coakley Landfill Superfund Site - North Hampton and Greenland, New Hampshire

NOTES

1. Monitored Zone / Unit identifies the hydrogeological unit within the screened/open interval. The hydrogeology of the site is comprised of four principle geological units include including bedrock, glacial till, marine sediments consisting of predominately of silt and clay, and sandy outwash. Bedrock well screened intervals vary as follows: "OBH-BR" wells are standard 6-inch diameter wells with steel casing set in bedrock and open boreholes (typical water supply well construction). "SBR" indicates the screen interval is the upper most section of bedrock. "DBR" is used to differentiate a screened interval that is below the uppermost section of bedrock (i.e.; MW-5S versus MW-5D).
2. Bolded values denote concentration exceeding the EPA Interim Cleanup Level (ICL)
3. Shaded values denote concentration exceeding the NHDES Ambient Groundwater Quality Standard
4. The list of volatile organic compounds (VOCs) provided includes analytes detected in OU-1 or OU-2 since 2006, and all VOCs that have ICLs. ICLs were established for 1,2-dichloropropane and tetrachloroethylene (PCE), however, no detections have been reported at groundwater sampling points included in the long-term monitoring events since 1998. An ICL was established for trans-1,2-dichloroethene however no detections have been reported at groundwater sampling points included in the long-term monitoring events since 1999.
5. An ICL was established for the semi-volatile organic compounds (SVOCs) diethyl phthalate and phenol. However, in May 1998 and April 1999, groundwater samples were submitted for analysis of SVOCs and no exceedances were reported; therefore, SVOCs were removed from the long-term monitoring plan.
6. Result for groundwater primary/duplicate samples are provided in this table: MW-4/MW-4-DUP, AE-3A/AE-3A-DUP, and GZ-105/GZ-105-DUP.

ABBREVIATIONS

N/A	Sample was not analyzed/measured for indicated parameter
### U	Not Detected at the reporting detection limit indicated
NHDES AGQS	NH Department of Environmental Services Ambient Groundwater Quality Standard (Env-Or-600, Table 600-1)
EPA CL	US Environmental Protection Agency Cleanup Level established in 2015 Fifth Explanation of Significant Difference. Cleanup Levels were historically called Interim Cleanup Levels.
uS/cm	microsiemens per centimeter
ug/L	micrograms per liter, parts per billion
mg/L	milligram per liter, parts per million
NTU	nephelometric turbidity unit
mV	millivolt
*	Field parameter result qualified due to failed QA/QC or suspected issues with measurements, as noted on field forms and
^	The AGQS for xylenes is for total xylene or the sum of all isomers, including: m&p-Xylene and o-Xylene.