

TABLE 3
 Summary of Groundwater Analytical Results: PFAS Data
 Closed Durham Municipal landfill
 April 2017 and November 2018

Analyte/Method	Units	NHDES AGQS	Sample ID																
			MW-1U	MW-1U	MW-1L	MW-1L	MW-2	MW-2	MW-3U	MW-3U	MW-3L	MW-3L	MW-5U	MW-5U	W-1	W-1	Field Blank	Field Blank	
			04/17/17	11/14/18	04/17/17	11/14/18	04/17/17	11/14/18	04/17/17	11/14/18	04/17/17	11/14/18	04/17/17	11/14/18	04/17/17	11/14/18	04/17/17	11/14/18	
PFAS By Isotope Dilution (MWs/SWs)																			
Cas No																			
375-73.5	Perfluorobutanesulfonate (PFBS)	ng/L	NRS	4	NS	7	NS	< 3	5.7	7	7.6	7	5.5	NS	4.4	10	NS	< 3	< 0.86
375-22-4	Perfluorobutanoic acid (PFBA)	ng/L	NRS	< 10	NS	< 10	NS	< 10	5.0	< 10	8.3	< 10	5.4	NS	< 7.5	12	NS	< 10	< 5.1
375-85-9	Perfluoroheptanoic acid (PFHPA)	ng/L	NRS	4	NS	< 2	NS	3	9.4	10	9.9	7	5.6	NS	2.3	12	NS	< 2	< 0.86
375-46-4	Perfluorohexanesulfonate (PFHXS)	ng/L	NRS	14	NS	16	NS	7	26	20	21	18	14	NS	17	20	NS	< 3	< 1.7
307-24.4	Perfluorohexanoic acid (PFHXA)	ng/L	NRS	5	NS	3	NS	4	14	16	17	14	9.8	NS	2.6	22	NS	< 2	< 1.7
375-95-1	Perfluoronanoic acid (PFNA)	ng/L	NRS	< 2	NS	< 2	NS	< 2	0.64	< 2	0.66	< 2	< 2.5	NS	0.60	< 2	NS	< 2	< 1.7
2706-90-3	Perfluoropentanoic acid (PFPEA)	ng/L	NRS	8	NS	4	NS	6	15	17	19	15	9.9	NS	< 7.5	22	NS	< 2	< 5.1
1763-23-1	Perfluoro-octanesulfonic acid (PFOS)	ng/L	70	13	NS	< 6	NS	12	41	22	22	12	10	NS	13	21	NS	< 6	< 1.7
335-67-1	Perfluorooctanoic acid (PFOA)	ng/L	70	5	NS	3	NS	5	16	24	28	13	13	NS	10	16	NS	< 2	< 0.86
	Total PFOS + PFOA	ng/L	70	18	NS	3	NS	17	57	46	50	25	23	NS	23	37	NS	0	0
	Total PFAS	ng/L	NRS	53	NS	33	NS	37	132.74	116	133.46	86	73.2	NS	49.9	135	NS	0	0

Notes:

PFAS = Per- and Polyfluoroalkyl Substances
 ng/L = Nanograms per liter (parts per trillion)
 NRS = No regulatory standard
 AGQS = Ambient Groundwater Quality Standards, Env-Or 603.03 (eff. 9/1/18)
Bold = Concentration exceeds NHDES AGQS
 Checked by: DFM 01-16-2019

NS = Not sampled