

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
WINDHAM SENIOR CENTER AREA
2 N. LOWELL ROAD
WINDHAM, NEW HAMPSHIRE

Monitoring Well ID	Date	Reference Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-1 (3 Fellows Road)	12/29/17	100.00	10.59	89.41
	01/15/18		9.58	90.42
MW-3 (3 N. Lowell Road)	12/29/17	102.91	6.96	95.95
	01/15/18		4.63	98.28
MW-4 (3 N. Lowell Road)	12/29/17	101.15	5.46	95.69
	01/15/18		3.32	97.83
MW-5 (4 N. Lowell Road)	12/29/17	97.09	5.82	91.27
	01/15/18		4.29	92.80

Notes:

1. Reference elevations surveyed by Nobis Engineering, Inc. on 4/9/18.
2. Groundwater levels were measured by Nobis Engineering, Inc. on the dates indicated using a Solinst electronic water level indicator.

TABLE 2
SUMMARY OF SOIL PFAS ANALYSES
WINDHAM SENIOR CENTER AREA
2 N. LOWELL ROAD
WINDHAM, NEW HAMPSHIRE

Per- and polyfluoroalkyl substances (PFAS)	Perfluorooctanoic Acid (PFOA)	Perfluorooctane Sulfonate (PFOS)	Total (PFOA + PFOS)	6:2 Fluorotelomer Sulfonate	8:2 Fluorotelomer sulfonate	Perfluorobutane Sulfonate (PFBS)	Perfluorobutanoic Acid	Perfluorodecane Sulfonate	Perfluorodecanoic Acid (PFDA)	Perfluorododecanoic Acid (PFDoA)	Perfluoroheptane Sulfonate	Perfluoroheptanoic Acid (PFHpA)	Perfluorohexane sulfonate (PFHxS)	Perfluorohexanoic Acid (PFHxA)	Perfluorononanoic Acid (PFNA)	Perfluorooctane Sulfonamide (PFOSA)	Perfluoropentanoic Acid (PFPeA)	Perfluorotetradecanoic Acid	Perfluorotridecanoic Acid	Perfluoroundecanoic Acid (PFUnA)	
	NHDES SRS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Location	Date	Laboratory Analytical Results																			
SB-1 0-2	12/11/2017	0.25 J	0.71 J	0.96	0.26 U	0.33 U	0.17 U	0.23 U	0.39 U	0.28 U	0.28 U	0.39 U	0.19 U	0.64 J	0.14 U	0.22 U	0.14 U	0.25 U	0.31 U	0.33 U	0.34 U
SB-2 0-2	12/13/2017	0.33 J	4.0	4.33	0.39 J	0.33 U	0.17 U	0.23 U	0.39 U	0.28 U	0.28 U	0.39 U	0.19 U	1.3	0.14 U	0.22 U	0.14 U	0.25 U	0.31 U	0.33 U	0.34 U
SB-3 0-2	12/13/2017	2.9	110	112.9	0.26 U	0.33 U	0.17 U	0.23 U	0.39 U	0.28 U	0.28 U	2.2	0.19 U	24	0.37	0.22 U	0.14 U	0.25 U	0.31 U	0.33 U	0.34 U
SB-4 0-2	12/13/2017	1.3	200	201.3	0.26 U	0.33 U	2.4	0.23 U	0.39 U	0.28 U	0.28 U	3.1	0.19 U	33	1.3	0.22 U	0.14 U	0.25 U	0.31 U	0.33 U	0.34 U
SB-4 0-2 Lab-Dup	12/13/2017	1.1	200	201.1	0.26 U	0.33 U	2.1	0.23 U	0.39 U	0.28 U	0.28 U	3.1	0.19 U	28	1.5	0.22 U	0.14 U	0.25 J	0.31 U	0.33 U	0.34 U
SB-5 0-2	12/13/2017	0.31 J	0.29 J	0.60	0.26 U	0.33 U	0.17 U	0.23 U	0.39 U	0.28 U	0.28 U	0.39 U	0.37 J	1.5	0.47 J	0.22 U	0.14 U	0.58 J	0.31 U	0.33 U	0.34 U
SB-6 0-2	12/13/2017	0.26 J	0.26 U	0.26	0.26 U	0.33 U	0.17 U	0.23 U	0.39 U	0.28 U	0.28 U	0.39 U	0.19 U	0.28 J	0.14 U	0.22 U	0.14 U	0.25 U	0.31 U	0.33 U	0.34 U
MW-2 0-2	12/11/2017	0.79 J	81	81.79	0.34 J	0.34 J	0.17 U	0.38 J	1.5	1.7	0.29 J	0.40 J	0.19 U	4.1	0.44 J	2.0	0.27 J	0.68 J	0.31 U	0.33 U	0.51 J
MW-3 0-2	12/12/2017	0.25 U	0.87 J	0.87	0.26 U	0.33 U	0.17 U	0.23 U	0.39 U	0.28 U	0.28 U	0.39 U	0.19 U	0.24 U	0.14 U	0.22 U	0.14 U	0.25 U	0.31 U	0.33 U	0.34 U
MW-4 0-2	12/11/2017	0.25 U	3.8	3.8	0.26 U	0.33 U	0.17 U	0.23 U	0.39 U	0.28 U	0.28 U	0.39 U	0.19 U	0.24 U	0.14 U	0.22 U	0.14 U	0.25 U	0.31 U	0.33 U	0.34 U
Outfall Water	12/13/2017	1.8 J	39	40.8	6.9	4.6	1.7 J	28	0.52 J	0.84 J	0.68 J	0.39 U	1.7 J	4.7	2.9	1.4 J	0.14 U	1.6 J	0.31 U	0.33 U	0.77 J
Outfall Sediment	12/13/2017	0.62 J	11	11.62	4.0	2.2	0.17 U	0.23 U	2.3	1.2	1.3	0.50 J	0.45 J	0.35 J	0.76 J	0.22 U	0.89 J	0.25 U	2.5	1.5	0.34 U

Notes:

1. All concentrations reported in micrograms per kilogram (µg/kg).
2. PFAS compounds do not have Soil Remediation Standards (EnvOR 600, Table 600-2) available at this time.
3. J = Approximated concentration.
4. U = Undetected at the limit of quantitation
5. All samples were collected by Nobis Engineering, Inc.
6. All laboratory analyses were performed by Maxxam Analytics.

TABLE 3
SUMMARY OF GROUNDWATER WATER PFAS ANALYSES
WINDHAM SENIOR CENTER AREA
2 N. LOWELL ROAD
WINDHAM, NEW HAMPSHIRE

Per- and polyfluoroalkyl substances (PFAS)			Perfluorooctanoic Acid (PFOA)	Perfluorooctanesulfonic Acid (PFOS)	Total (PFOA + PFOS)	6:2 Fluorotelomer Sulfonate	Perfluorobutanesulfonic Acid	Perfluorobutanoic Acid	Perfluorodecanoic Acid (PFDA)	Perfluoroheptanesulfonic Acid	Perfluoroheptanoic Acid (PFHpA)	Perfluorohexanesulfonic Acid	Perfluorohexanoic Acid (PFHxA)	Perfluorononanoic Acid (PFNA)	Perfluoropentanoic Acid (PFPeA)
NHDES AGQS			70	70	70	--	--	--	--	--	--	--	--	--	--
Location	Well Depth	Date	Laboratory Analytical Results												
MW-1 (3 Fellows Road)	12/29/17	61	7.0 U	61	39 J	160	75	13	1.9 J	0.77 U	43	140	240	6.8 U	280
	01/15/18	20	2.6	22.6	16	110	160	5.6	1.6 J	0.82 U	28	47	260	2.9	330
MW-3 (3 N. Lowell Road)	12/29/17	1.7 J	61	62.7 J	1.0 U	2.9	2.0 J	0.87 U	0.54 U	1.5 J	0.83 J	41	3.5	0.68 U	2.5
	01/15/18	3.6	44	37.6	1.0 U	3.2	2.9	0.87 U	0.54 U	1.2 J	1.2 J	28	3.6	0.68 U	2.9
MW-4 (3 N. Lowell Road)	12/29/17	24	100	124	10 U	12	9.4	0.87 U	0.54 U	6.8	25	190	45	1.4 J	41
	01/15/18	32	79	111	2.4 J	9.7	28	0.93 U	0.58 U	4.2	51	100	85	3.4	100
MW-5 (4 N. Lowell Road)	12/29/17	8.6	150	158.6	2.3 J	5.0	19	0.87 U	0.54 U	2.0	14	38	20	0.79 J	35
	01/15/18	11 J	110	121 J	10 U	12 J	23	8.7 U	5.4 U	7.7 U	16 J	37	22	6.8 U	37
MW-5 (duplicate) (4 N. Lowell Road)	12/29/17	8.7	160	168.7	3.2 J	5.1	18	0.87 U	0.54 U	2.0	14	38	18	1.0 J	35
	01/15/18	9.1	150	159.1	4.4	4.2	14	0.93 U	0.58 U	1.6 J	15	30	20	0.73 U	31

Notes:

1. All concentrations reported in nanograms per liter (ng/L).
2. **Bold** indicates exceedance of applicable Ambient Groundwater Quality Standard (AGQS).
3. J = Approximated concentration.
4. U = Undetected at the limit of quantitation
5. All samples were collected by Nobis Engineering, Inc.
6. All laboratory analyses were performed by Maxxam Analytics.
7. PFAS naming convention was changed from "xxx sulfonate" to "xxxxsulfonic acid" starting in April 2018. The naming convention has been changed for this table for consistency.

TABLE 4
SUMMARY OF DRINKING WATER PFC ANALYSES
WINDHAM SENIOR CENTER AREA
2 N. LOWELL ROAD
WINDHAM, NEW HAMPSHIRE

Perfluorinated Chemicals (PFCs)			Perfluorooctanoic Acid (PFOA)	Perfluorooctane Sulfonate (PFOS)	Total (PFOA + PFOS)	6:2 Fluorotelomer Sulfonate	8:2 Fluorotelomer sulfonate	Perfluorobutane Sulfonate (PFBS)	Perfluorobutanoic Acid	Perfluorodecane Sulfonate	Perfluorodecanoic Acid (PFDA)	Perfluorododecanoic Acid (PFDoA)	Perfluorohexane Sulfonate	Perfluorohexanoic Acid (PFHpA)	Perfluorohexane sulfonate (PFHxS)	Perfluorohexanoic Acid (PFHxA)	Perfluorononanoic Acid (PFNA)	Perfluorooctane Sulfonamide (PFOSA)	Perfluoropentanoic Acid (PFPeA)	Perfluorotetradecanoic Acid	Perfluorotridecanoic Acid	Perfluoroundecanoic Acid (PFUnA)
NHDES AGQS			70	70	70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Location	Well Depth (ft.)	Date	Laboratory Analytical Results																			
Windham Town Hall 3 N. Lowell Road	150	04/09/18	10	15	25	1.0 U	1.6 J	2.4	0.54 U	0.77 U	3.0	8.3	13	0.68 U	8.7	13	0.68 U	1.3 U	8.7	0.62	0.74 U	0.72 U
MacThompson Realty 5 N Lowell Road	No data	04/09/18	4.6	18	22.6	1.0 U	6.9	2.0 J	0.54 U	0.77 U	1.3 J	8.8	5.1	0.68 U	3.5	5.1	0.68 U	1.3 U	3.5	0.62 U	0.74 U	0.72 U
Jamie and John Ballard 5 Newfound Road	300	04/09/18	5.7	1.6 J	7.3 J	1.0 U	3.6	1.6 J	0.54 U	0.77 U	1.8 J	1.4 J	3.6	0.86 J	2.1	3.6	0.68	1.3 U	2.1	0.62 U	0.74 U	0.72 U
Windham Senior Center 2 N. Lowell Road	No data	5/2/2018 ⁷	6.8	31	37.8	2.0 U	6.4	4.7	1.1 U	1.5 U	5.1	10	8.8	1.8 J	10	8.8	1.8 J	2.6 U	10	1.2 U	1.5 U	1.4 U
John and Donna Indelicato 9 Camelot Road	No data	04/09/18	9.9	9.9	19.8	1.2 J	1.4 J	1.9 J	0.60 J	0.77 U	2.4	5.2	3.7	0.97 J	2.7	3.7	0.97 J	1.3 U	2.7	0.62 U	0.74 U	0.72 U
Nesmith Library 8 Fellows Road	255	04/09/18	6.4	0.70 U	6.4	1.0 U	1.2 J	3.1	0.54 U	0.77 U	2.5	0.99 J	4.8	0.68 U	6.1	4.8	0.68 U	1.3 U	6.1	0.62 U	0.74 U	0.72 U
Dennis and Janet Root Family Revocable Trust 15 3rd Street	No data	04/09/18	2.3	0.70 U	2.3	1.0 U	4.3	2.2	0.54 U	0.77 U	3.0	0.90 U	4.9	0.68 U	6.3	4.9	0.68 U	1.3 U	6.3	0.62 U	0.74 U	0.72 U
Windham Police Station 4 Fellows Road	No data	04/09/18	7.9	9.3	17.2	1.0 U	23	7.0	0.54 U	0.77 U	6.7	33	21	0.68 U	23	21	0.68	1.3 U	23	0.62 U	0.74 U	0.72 U
Windham Fire Station 3 Fellows Road	No data	5/2/2018 ⁷	26	72	98	34	94	25	0.61 U	4.3	31	220	96	1.2 J	90	96	1.2 J	1.5 U	90	0.70 U	0.83 U	0.81 U
Windham Fire Station Duplicate 3 Fellows Road	No data	5/2/2018 ⁷	24	63	87	34	93	24	0.58 U	4.7	29	220	99	1.5 J	88	99	1.5 U	1.4 U	88	0.67 U	0.80 U	0.77 U
Howie Glynn & Sons Convenience 32 Indian Rock Road	1006	04/09/18	9.1	19	28.1	1.0 U	25	16	0.54 U	2.0	13	42	45	0.68 U	75	45	0.68 U	1.3 U	75	0.62 U	0.74 U	0.72 U
Howie Glynn & Sons Convenience Duplicate 32 Indian Rock Road	No data	04/09/18	0.60 U	0.70 U	1.3 U	1.0 U	0.89 U	0.86 U	0.54 U	0.77 U	0.47 U	0.90 U	0.41 U	0.68 U	0.87 U	0.41 U	0.68 U	1.3 U	0.87 U	0.62 U	0.74 U	0.72 U
Windham Terrace Apartments 3 Church Street	405	04/09/18	8.7	7.4	16.1	1.0 U	8.4	1.9 J	0.54 U	0.77 U	2.0	3.8	3.1	0.68 U	2.9	3.1	0.68 U	1.3 U	2.9	0.62 U	0.74 U	0.72 U
The Commons of Windham 25 Indian Rock Road	200	04/09/18	6.8	2.8	9.6	1.0 U	7.7	5.5	0.54 U	0.77 U	2.7	4.1	6.0	0.68 U	7.7	6	0.68 U	1.3 U	7.7	0.62 U	0.74 U	0.72 U
Windham Dunkin Donuts (30 Indian Rock Road)	305	04/09/18	18	81	99	1.7 J	32	13	0.54 U	3.4	8.0	75	34	0.88 J	27	34	0.88 J	1.3 U	27	0.62 U	0.74 U	0.72 U
Windham Town Shoppes 29 Indian Rock Rd	140	04/09/18	15	9.0	24	1.0 U	5.7	6.4	0.54 U	0.77 U	5.2	0.90 U	12	2.3	15	12	2.3	1.3 U	15	0.62 U	0.74 U	0.72 U
19 Indian Rock Road EG Holdings, Inc.	155	04/24/18	7.8	18	25.8	1.1 U	5.4	4.0	0.58 U	0.82 U	4.5	12	7.5	0.73 U	7.7	7.5	0.73 U	1.4 U	7.7	0.66 U	0.79 U	0.77 U

TABLE 4
SUMMARY OF DRINKING WATER PFC ANALYSES
WINDHAM SENIOR CENTER AREA
2 N. LOWELL ROAD
WINDHAM, NEW HAMPSHIRE

Perfluorinated Chemicals (PFCs)			Perfluorooctanoic Acid (PFOA)	Perfluorooctane Sulfonate (PFOS)	Total (PFOA + PFOS)	6:2 Fluorotelomer Sulfonate	8:2 Fluorotelomer sulfonate	Perfluorobutane Sulfonate (PFBS)	Perfluorobutanoic Acid	Perfluorodecane Sulfonate	Perfluorodecanoic Acid (PFDA)	Perfluorododecanoic Acid (PFDoA)	Perfluorohexane Sulfonate	Perfluorohexanoic Acid (PFHpA)	Perfluorohexane sulfonate (PFHxS)	Perfluorohexanoic Acid (PFHxA)	Perfluorononanoic Acid (PFNA)	Perfluorooctane Sulfonamide (PFOSA)	Perfluoropentanoic Acid (PFPeA)	Perfluorotetradecanoic Acid	Perfluorotridecanoic Acid	Perfluoroundecanoic Acid (PFUnA)
NHDES AGQS			70	70	70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Location	Well Depth (ft.)	Date	Laboratory Analytical Results																			
17 Indian Rock Road EG Holdings, Inc.	No data	04/24/18	5.8	16	21.8	1.0 U	4.5	3.5	0.54 U	0.77 U	3.5	9.2	5.6	0.95 J	5.9	5.6	0.95 J	1.3 U	5.9	0.62 U	0.74 U	0.72 U

- Notes:**
1. All concentrations reported in nanograms per liter (ng/L).
 2. **Bold** indicates exceedance of applicable Ambient Groundwater Quality Standard (AGQS) established May 31, 2016.
 3. J = Approximated concentration.
 4. U = Undetected at the limit of quantitation
 5. All samples were collected by Nobis Engineering, Inc.
 6. All laboratory analyses were performed by Maxxam Analytics.
 7. Raw sample taken from water treatment system influent.
 8. NS = No Standard

TABLE 5
SUMMARY OF SURFACE WATER PFC ANALYSES
WINDHAM SENIOR CENTER AREA
2 N. LOWELL ROAD
WINDHAM, NEW HAMPSHIRE

Perfluorinated Chemicals (PFCs)		Perfluorooctanoic Acid (PFOA)	Perfluorooctane Sulfonate (PFOS)	Total (PFOA + PFOS)	6:2 Fluorotelomer Sulfonate	8:2 Fluorotelomer sulfonate	Perfluorobutane Sulfonate (PFBS)	Perfluorobutanoic Acid	Perfluorodecane Sulfonate	Perfluorodecanoic Acid (PFDA)	Perfluorododecanoic Acid (PFDoA)	Perfluoroheptane Sulfonate	Perfluoroheptanoic Acid (PFHpA)	Perfluorohexane sulfonate (PFHxS)	Perfluorohexanoic Acid (PFHxA)	Perfluorononanoic Acid (PFNA)	Perfluorooctane Sulfonamide (PFOSA)	Perfluoropentanoic Acid (PFPeA)	Perfluorotetradecanoic Acid	Perfluorotridecanoic Acid	Perfluoroundecanoic Acid (PFUnA)
NHDES SWQS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Surface Water ID.	Date	Laboratory Analytical Results																			
Outfall Water	12/13/17	1.8 J	39	40.8	6.9	1.7 J	28	0.84 J	0.39 U	1.7 J	4.7	2.9	1.4 J	1.6 J	2.9	1.4 J	0.59 U	1.6 J	0.61 U	0.60 U	0.77 U
SW-1 (Golden Brook)	04/09/18	3.3	1.1 J	4.4 J	1.0 U	1.6 J	0.86 U	0.54 U	0.77 U	0.98 J	0.90 U	1.2 J	0.68 U	1.2 J	1.2 J	0.68 U	1.3 U	1.2 J	0.62 U	0.74 U	0.72 U
SW-2 (Pond)	04/09/18	7.2	69	76.2	1.8 J	45	20	0.54 U	2.1	15	79	43	0.68 U	54	43	0.68 U	1.3 U	54	0.62 U	0.74 U	0.72 U

- Notes:**
1. All concentrations reported in nanograms per liter (ng/L).
 2. Surface water quality standards have not been developed for PFAS at this time.
 3. J = Approximated concentration.
 4. U = Undetected at the limit of
 5. All samples were collected by Nobis Engineering,
 6. All laboratory analyses were performed by Maxxam Analytics.