Private Well Sampling Monthly Summary
Princeton PFAS Release
RTN 2-21072

TO: Rebecca Buswell; MassDEP

FROM: Jeffrey Arps, LSP; Tighe & Bond

COPY: Sherry Patch; Princeton Town Administrator

DATE: August 24, 2020

This memo is intended to provide an update to MassDEP on the status of ongoing assessment and response actions as required in MassDEP's January 24, 2020 IRA Plan Conditional Approval.

Summary of Recent Response Actions

- The previous monthly spreadsheet was submitted on July 8, 2020.
- Radius 1 sampling is complete. The majority of Radius 1 sampling was completed in December 2019 and January 2020. The only remaining property in Radius 1 was 22 Mountain Road, which was sampled on July 31, 2020.
- All locations identified for sampling in Radius 2 were sampled in January and February 2020.
- Locations identified for sampling in Radius 3 were sampled in February and March 2020 with the exception of the following locations which have not been sampled as of this submittal:

  35 Hubbardston – No contact with owner
  39 Hubbardston – Vacant (foreclosure)
  27 Prospect – Vacant
  31 Prospect – Vacant

- Locations identified for sampling in Radius 4 were sampled in April and May 2020. Access to 23 Radford Road was recently granted and this home was sampled on July 22, 2020. The following locations inside Radius 4 have not been sampled:

  15 Radford – No contact with owner (2 requests sent by town and flyer left on front door)
  18 Radford – No contact with owner (2 requests sent by town and flyer left on front door)
  38 Radford – No contact with owner (2 requests sent by town and flyer left on front door)

- Based on the results received to date from Radius 4, the following new properties have been identified for sampling. The town sent notices regarding the need to sample to the owners of these properties on July 29, 2020.

  55 Merriam
  58 Merriam
  6 Connor Lane

- POET system monitoring is being completed monthly at 19 locations. Based on the performance of POET systems to date, the Town submitted an IRA Modification on August 18, 2020 to request a reduction in POET monitoring frequency from monthly to quarterly at locations where at least three months of data have been collected,

showing that the system is removing PFAS. To date, breakthrough of the primary carbon vessels has not been detected at any home with a POET system.

- The permit application for a POET at 14 Mountain Road is in-process.

- Quarterly sampling at those locations previously sampled is approximately 90 percent complete. The following locations on the quarterly sample list have not been sampled:

  11 Prospect (new owner information received, sample to be collected)
  21 Gregory Hill (no response from homeowner)
  52 Hubbardston (no response from homeowner)
  2 Radford (new owner, contact information not yet received)

- The Town of Princeton was approved for up to 75 water samples under the PFAS Free Sampling Initiative. Through July 31, 2020, 54 samples have been billed to MassDEP under the initiative.

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MONTHLY PRIVATE WELL SAMPLING SUMMARY
PRINCETON PFAS RELEASE
PRINCETON MASSACHUSETTS
RTN 2-21072

Sample Location	Date Sampled	Date Data Received	Total Regulated PFAS (ppt)	Comments
Town Well	9/5/2019	9/25/2019	124.7	
	9/27/2019	10/21/2019	100.2	
	1/8/2020	2/27/2020	230.1	
9 Allen Hill	2/12/2020	2/28/2020	<2	Round 3 location
	7/23/2020	8/10/2020	<2	Quarterly
12 Allen Hill	2/14/2020	2/27/2020	12.2	Round 3 location
	7/27/2020	8/12/2020	<2	Quarterly
15 Allen Hill	4/28/2020	5/14/2020	<2	Round 4 Location
19 Allen Hill	4/28/2020	5/14/2020	<2	Round 4 Location
20 Allen Hill	5/8/2020	5/19/2020	5.3	Round 4 Location
32 Allen Hill	2/2/2020	2/6/2020	<2	
	7/22/2020	8/10/2020	<2	Quarterly
7 Boylston	1/27/2020	2/13/2020	23.2	Field Blank contained PFAS, concentration confirmed by running duplicate, see table
	POET INSTALLED 3/1/20			
	3/17/2020	4/1/2020	29	1st system sample (mid- and effluent ND)
	5/1/2020	5/18/2020	18	(mid- and effluent ND)
	6/18/2020	7/7/2020	29.6	(mid- and effluent ND)
	7/29/2020	8/19/2020	27.1	(mid- and effluent ND)
12 Boylston	1/13/2020	1/29/2020	26.1	
	POET INSTALLED 3/20/20			
	5/1/2020	5/13/2020	25.6	1st system sample
	6/23/2020	7/7/2020	31.2	(mid- and effluent ND)
	7/31/2020	8/17/2020	27.6	(mid- and effluent ND)
13 Boylston	1/8/2020	1/21/2020	<2	
	5/28/2020	6/15/2020	<2	Quarterly Sample
16 Boylston	1/9/2020	1/21/2020	19.9	Very close to standard
	5/28/2020	6/15/2020	19.6	Quarterly Sample
17 Boylston	1/8/2020	1/21/2020	<2	
	5/28/2020	6/15/2020	<2	Quarterly Sample
21 Boylston	2/19/2020	2/27/2020	<2	Round 3 Location
	7/22/2020	8/10/2020	<2	Quarterly Sample
24 Boylston	1/9/2020	1/21/2020	<2	
	5/29/2020	6/15/2020	<2	Quarterly Sample
32 Boylston	5/28/2020	6/15/2020	6.6	Round 4 Location
40 Boylston	4/28/2020	5/14/2020	9.2	Round 4 Location
4 Goodnow	4/28/2020	5/18/2020	<2	Round 4 Location
9 Gregory Road	2/1/2020	2/7/2020	<2	Outside of radius
11 Gregory Hill	1/22/2020	2/6/2020	<2	
	5/29/2020	6/15/2020	<2	Quarterly Sample
13 Gregory Hill	1/10/2020	1/23/2020	<2	
	5/29/2020	6/15/2020	<2	Quarterly Sample
14 Gregory Hill	1/9/2020	1/21/2020	9.4	
	5/29/2020	6/15/2020	11.4	Quarterly Sample
15 Gregory Hill	1/13/2020	1/23/2020	20.4	
	POET INSTALLED 2/26/20			
	3/11/2020	3/18/2020	14.2	1st system sample (mid- and effluent ND)
	6/23/2020	7/7/2020	<2	(mid- and effluent ND)
	7/31/2020	8/17/2020	<2	(mid- and effluent ND)
21 Gregory Hill	2/28/2020	3/6/2020	<2	Round 3 Location
				Quarterly Sample
44 Gregory Hill	2/5/2020	2/14/2020	<2	Round 3 Location
	7/22/2020	8/10/2020	<2	Quarterly Sample
1 Hubbardston	1/8/2020	1/21/2020	31.5	
	POET INSTALLED 2/26/20			
	3/11/2020	3/18/2020	28	1st system sample (mid- and effluent ND)
	5/1/2020	5/13/2020	29.8	(mid- and effluent ND)
	6/18/2020	7/7/2020	33.1	(mid- and effluent ND)
	7/29/2020	8/17/2020	31.5	(mid- and effluent ND)
5 Hubbardston	12/5/2020	12/13/2019	39.2	
	POET INSTALLED 1/28/20			
	2/5/2020	2/18/2020	34.4	1st system sample (mid- and effluent ND)
	3/5/2020	3/11/2020	18.5	(mid- and effluent ND)
	5/1/2020	5/13/2020	22.7	(mid- and effluent ND)
	6/30/2020	7/8/2020	25.1	(mid- and effluent ND)
	8/4/2020	8/21/2020	36.2	(mid- and effluent ND)
7 Hubbardston	12/5/2020	12/13/2019	9.7	
	6/5/2020	6/15/2020	11.7	Quarterly Sample
15 Hubbardston	12/5/2020	12/13/2019	132.6	
	POET INSTALLED 2/11/20			
	2/26/2020	3/9/2020	90.5	1st system sample (mid- and effluent ND)
	5/1/2020	5/13/2020	120.2	(mid- and effluent ND)
	6/18/2020	7/7/2020	111	(mid- and effluent ND)
	7/30/2020	8/17/2020	114.9	(mid- and effluent ND)
19 Hubbardston	12/5/2020	12/13/2019	9.7	
	2/26/2020	3/9/2020	NA	POET installed by homeowner, EFF sample collected at homeowner request, EFF=ND
	6/5/2020	6/15/2020	5.8	Quarterly Sample, (mid- and effluent ND)
23 Hubbardston	1/10/2020	1/23/2020	9.0	
	1/27/2020	1/30/2020	8.7	resample
	5/29/2020	6/15/2020	7.4	Quarterly Sample
33 Hubbardston	2/5/2020	2/17/2020	2.5	Round 3 Location
	7/23/2020	8/10/2020	4.2	Quarterly Sample
35 Hubbardston				Round 3 Location
36 Hubbardston	2/6/2020	2/14/2020	<2	Round 3 Location
	7/22/2020	8/7/2020	10.4	Quarterly Sample
39 Hubbardston				Vacant, Foreclosure
42 Hubbardston	2/10/2020	2/28/2020	<2	Round 3 Location
	7/23/2020	8/10/2020	15.7	Quarterly Sample
43 Hubbardston	12/12/2019	1/31/2020	29	Sampled by homeowner
	POET INSTALLED 3/20/20			
	5/8/2020	5/26/2020	29.5	1st system sample (mid- and effluent ND)
	6/23/2020	7/7/2020	31.6	(mid- and effluent ND)
	7/29/2020	8/18/2020	28.4	(mid- and effluent ND)
44 Hubbardston	2/10/2020	2/28/2020	<2	Round 3 Location
	7/23/2020	8/11/2020	14.8	Quarterly Sample
46 Hubbardston	2/12/2020	2/28/2020	12.2	Round 3 Location
	7/23/2020	8/10/2020	17.4	Quarterly Sample

Sample Location	Date Sampled	Date Data Received	Total Regulated PFAS (ppt)	Comments
48 Hubbardston	2/12/2020	2/28/2020	<2	Round 3 Location
	7/23/2020	8/7/2020	<2	Quarterly Sample
52 Hubbardston	2/12/2020	2/28/2020	<2	Round 3 Location
				Quarterly Sample
73 Hubbardston	6/5/2020	6/22/2020	<2	Round 4 Location
81 Hubbardston	4/28/2020	5/14/2020	<2	Round 4 Location
57 Merriam	4/28/2020	5/14/2020	6.8	Round 4 Location (Homeowner paid to have one carbon unit installed)
59 Merriam	4/28/2020	5/14/2020	<2	Round 4 Location
70 Merriam	4/28/2020	5/14/2020	<2	Round 4 Location
85 Merriam	2/26/2020	3/6/2020	6.8	Added to Round 3
	7/22/2020	8/10/2020	8.0	Quarterly Sample
105 Merriam	2/28/2020	3/6/2020	<2	Added to Round 3
	7/21/2020	8/10/2020	<2	Quarterly Sample
Mountain Road Runoff	2/27/2020	3/12/2020	3,642.3	
2 Mountain	1/7/2020	1/21/2020	<2	
	6/5/2020	6/15/2020	2.1	Quarterly Sample
6 Mountain	12/5/2020	12/13/2019	30.1	
	POET INSTALLED 1/28/20			
	2/5/2020	2/18/2020	18.2	1st system sample (mid- and effluent ND)
	3/5/2020	3/12/2020	24.5	(mid- and effluent ND)
	5/8/2020	5/26/2020	20.5	(mid- and effluent ND)
	6/23/2020	7/7/2020	38.4	(mid- and effluent ND)
	7/29/2020	8/19/2020	16.5	
10 Mountain	12/9/2020	12/30/2019	2.0	
	6/11/2020	6/22/2020	10.9	Quarterly Sample
14 Mountain	1/9/2020	1/21/2020	38.7	NEEDS A POET
	1/22/2020	2/6/2020	45.1	resample
	5/29/2020	6/15/2020	43.3	Quarterly Sample
18 Mountain	1/10/2020	1/23/2020	217.4	
	POET INSTALLED 2/11/20			
	2/14/2020	3/3/2020	165.6	1st system sample (mid- and effluent ND)
	3/11/2020	3/18/2020	227.0	system sample (mid- and effluent ND)
	5/1/2020	5/13/2020	128.9	(mid- and effluent ND)
	6/18/2020	7/7/2020	71.1	(mid- and effluent ND)
	7/29/2020	8/19/2020	65.4	(mid- and effluent ND)
19 Mountain	12/4/2020	12/13/2019	421	
	POET INSTALLED 1/10/20			
	1/13/2020	1/30/2020	109.5	1st system sample (mid- and effluent ND)
	1/17/2020	1/30/2020	345.6	2nd system sample (mid- and effluent ND)
	1/31/2020	2/7/2020	73.0	3rd system sample (mid- and effluent ND)
	3/3/2020	3/17/2020	70.0	(mid- and effluent ND)
	5/8/2020	5/26/2020	119.2	(mid- and effluent ND)
	6/18/2020	7/7/2020	595.7	(mid- and effluent ND)
	7/29/2020	8/12/2020	139.0	(mid- and effluent ND)
20 Mountain	1/10/2020	1/23/2020	86	
	POET INSTALLED 2/11/20			
	2/14/2020	2/26/2020	106	1st system sample (mid- and effluent ND)
	3/17/2020	4/1/2020	112	(mid- and effluent ND)
	6/18/2020	7/7/2020	169.2	(mid- and effluent ND)
	7/29/2020	8/19/2020	158.3	(mid- and effluent ND)
21 Mountain	12/5/2019	12/13/2019	102.4	
	POET INSTALLED 1/21/20			
	1/24/2020	1/30/2020	88.6	1st system sample (mid- and effluent ND)
	1/31/2020	2/7/2020	77.7	2nd system sample (mid- and effluent ND)
	2/7/2020	2/18/2020	61.5	3rd system sample (mid- and effluent ND)
	3/17/2020	4/1/2020	88.9	(mid- and effluent ND)
	5/8/2020	5/26/2020	51.4	(mid- and effluent ND)
	6/30/2020	7/8/2020	58.0	(mid- and effluent ND)
	7/31/2020	8/17/2020	66.5	(mid- and effluent ND)
22 Mountain	7/31/2020	8/17/2020	689.7	
	POET SYSTEM NEEDED			Tentative Install Date 8/26/20
29 Mountain	1/8/2020	1/21/2020	117.3	
	POET INSTALLED 2/24/20			
	3/11/2020	3/18/2020	84	1st system sample (mid- and effluent ND)
	5/8/2020	6/2/2020	52.4	MID (ND), EFF (40.5), EFF DUP (25.2), resampled 6/3 EFF (ND)
	6/30/2020	7/14/2020	51	MID (ND), EFF (50). Site visit determined that homeowner opened the wrong valve allowing raw water into eff sample port
	7/14/2020	7/29/2020	-	Effluent only (ND)
	7/29/2020	8/17/2020	55.8	(mid- and effluent ND)
30 Mountain	1/27/2020	1/30/2020	15.9	
	6/5/2020	6/22/2020	12.6	Quarterly Sample
33 Mountain	2/7/2020	2/14/2020	<2	
	7/22/2020	7/22/2020	<2	Quarterly Sample
38 Mountain	2/14/2020	2/27/2020	2.2	Round 3 Location
	7/21/2020	7/21/2020	5.4	Quarterly Sample
51 Mountain	2/12/2020	2/28/2020	62.5	
	POET INSTALLED 5/1/20			
	5/28/2020	6/15/2020	64.4	1st system sample (mid- and effluent ND)
	6/23/2020	7/7/2020	60.6	(mid- and effluent ND)
	7/31/2020	8/17/2020	68.2	(mid- and effluent ND)
54 Mountain	2/26/2020	3/6/2020	45.6	NEEDS A POET
	POET INSTALLED 6/2/20			
	6/22/2020	7/7/2020	58.4	1st system sample (mid- and effluent ND)
	8/4/2020	8/21/2020	53.9	(mid- and effluent ND)
58 Mountain	2/26/2020	3/6/2020	354	NEEDS A POET
	POET INSTALLED 7/7/20			
	7/14/2020	7/30/2020	383	1st system sample (mid- and effluent ND)
	7/31/2020	8/17/2020	62.5	(mid- and effluent ND)
64 Mountain	1/30/2020	2/5/2020	75	Outside Radius (homeowner pregnant, sampled as courtesy with 3 day rush)
	POET INSTALLED 2/18/20			
	3/3/2020	3/12/2020	89.5	1st system sample
	5/8/2020	5/26/2020	69.2	(mid- and effluent ND)
	6/18/2020	7/7/2020	87.3	(mid- and effluent ND)
	7/29/2020	8/19/2020	10.3	(mid- and effluent ND)
5 Prospect	1/13/2020	1/16/2020	38.2	(mid- and effluent ND)
	POET INSTALLED 1/21/20			
	1/23/2020	2/6/2020	9.6	1st system sample (mid- and effluent ND)
	1/31/2020	2/7/2020	2.5	(mid- and effluent ND)
	2/7/2020	2/18/2020	2.4	(mid- and effluent ND)
	6/18/2020	7/7/2020	9.8	(mid- and effluent ND)
	7/27/2020	8/12/2020	8.2	(mid- and effluent ND)
7 Prospect	12/9/2019	12/30/2019	13.3	
	6/5/2020	6/15/2020	17.0	Quarterly Sample
11 Prospect	1/8/2020	1/21/2020	4.4	
	2/20/2020	2/26/2020	5.8	POET installed by homeowner, INF/MID/EFF samples collected at homeowner request, (mid- and effluent ND)

Sample Location	Date Sampled	Date Data Received	Total Regulated PFAS (ppt)	Comments
16 Prospect	1/22/2020	2/7/2020	<2	
	6/5/2020	6/15/2020	<2	Quarterly Sample
17 Prospect	1/8/2020	1/21/2020	2.8	
	6/5/2020	6/15/2020	<2	Quarterly Sample
18 Prospect	1/8/2020	1/21/2020	<2	
	6/5/2020	6/15/2020	<2	Quarterly Sample
21 Prospect	2/5/2020	2/14/2020	<2	No contact info, left flyer on 1/21, certified letter sent 1/28, homeowner reached out on 2/3.
	7/22/2020	8/10/2020	<2	Quarterly Sample
26 Prospect	2/6/2020	2/14/2020	<2	Round 3 Location
	7/23/2020	8/11/2020	<2	Quarterly Sample
27 Prospect				Round 3 Location
31 Prospect				Vacant property, Condemned
41 Prospect	5/15/2020	6/1/2020	<2	Round 4 Location
2 Radford	2/19/2020	2/26/2020	<2	Round 3 Location
7 Radford	2/28/2020	3/6/2020	2.3	Round 3 Location
	7/21/2020	8/10/2020	5.9	Quarterly Sample
8 Radford	2/28/2020	3/6/2020	6.4	Round 3 Location
	7/21/2020	8/10/2020	7.2	Quarterly Sample
11 Radford	2/14/2020	2/27/2020	5	Round 3 Location
	7/22/2020	8/7/2020	6.2	Quarterly Sample
12 Radford	5/1/2020	5/14/2020	22.5	NEEDS A POET
	POET INSTALLED 6/16/20			
	6/30/2020	7/14/2020	20.5	1st system sample (mid- and effluent ND)
	7/31/2020	8/17/2020	23.2	(mid- and effluent ND)
13 Radford	3/4/2020	3/16/2020	<2	Round 3 Location
	7/21/2020	8/6/2020	<2	Quarterly Sample
15 Radford				Round 4 Location
18 Radford				Round 4 Location
23 Radford	7/22/2020	8/7/2020	14.8	Round 4 Location
28 Radford	1/30/2020	2/5/2020	15.1	
	7/21/2020	8/10/2020	8.6	Quarterly Sample
29 Radford	3/17/2020	4/1/2020	6.7	Round 4 Location
	7/21/2020	8/10/2020	5.2	Quarterly Sample
33 Radford	5/29/2020	6/15/2020	<2	Round 4 Location
37 Radford	4/28/2020	5/14/2020	2.1	Round 4 Location
38 Radford				Round 4 Location
1 Worcester	1/7/2020	1/21/2020	<2	
	6/11/2020	6/22/2020	2.5	Quarterly Sample
10 Worcester	1/9/2020	1/21/2020	16.6	
	6/11/2020	6/22/2020	3.0	Quarterly Sample
15 Worcester	3/6/2020	3/16/2020	3.1	Round 3 Location
	7/21/2020	8/6/2020	3.1	Quarterly Sample
16 Worcester	2/5/2020	2/14/2020	2.2	Round 3 Location
	7/29/2020	8/17/2020	2.6	Quarterly Sample
17 Worcester	2/10/2020	2/14/2020	<2	Round 3 Location
	7/21/2020	8/6/2020	<2	Quarterly Sample
20 Worcester	3/17/2020	4/1/2020	<2	Round 3 Location
	7/21/2020	8/6/2020	<2	Quarterly Sample
23 Worcester	2/5/2020	2/14/2020	<2	Round 3 Location
	7/21/2020	8/6/2020	<2	Quarterly Sample

POET SYSTEM STATUS		
Locations >20 ppt	**System Status**	**Date Installed**
7 Boylston	POET INSTALLED	3/1/2020
12 Boylston	POET INSTALLED	3/20/2020
15 Gregory Hill	POET INSTALLED	2/26/2020
1 Hubbardston	POET INSTALLED	2/26/2020
5 Hubbardston	POET INSTALLED	1/28/2020
15 Hubbardston	POET INSTALLED	2/10/2020
43 Hubbardston	POET INSTALLED	3/20/2020
6 Mountain	POET INSTALLED	1/28/2020
14 Mountain	NEEDS A POET	
18 Mountain	LARGE POET INSTALLED	2/10/2020
19 Mountain	LARGE POET INSTALLED	1/10/2020
20 Mountain	POET INSTALLED	2/11/2020
21 Mountain	POET INSTALLED	1/21/2020
22 Mountain	NEEDS A POET	
29 Mountain	POET INSTALLED	2/24/2020
51 Mountain	POET INSTALLED	5/1/2020
54 Mountain	POET INSTALLED	6/2/2020
58 Mountain	POET INSTALLED	7/7/2020
64 Mountain	POET INSTALLED	2/18/2020
5 Prospect	POET INSTALLED	1/21/2020
12 Radford	POET INSTALLED	6/12/2020

FIGURE 2
ORTHOPHOTOGRAPH SITE PLAN

LEGEND

Total Regulated PFAS Concentrations in Parts-Per-Trillion (ppt)

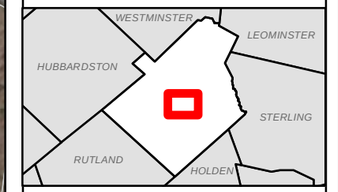
- Greater Than 100
- Greater Than 20 But Less Than 100
- Greater Than 2 But Less Than 20
- Non Detect (<2)
- Non-Community Transient Public Water Supply

500' Foot Radii Over Time

- Start of Project
- Current Status (2020/06/25)

Affected Property Labels:
P (Point of Entry Treatment, if present)
Address
PFAS 6-Compound Total

LOCUS MAP



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0 300 600
Feet

1:7,200

NOTES

1. Based on Google Imagery (2017)
2. 500' Buffer based on a 50' buffer of building structures. Well locations are assumed to be within 50' of each home.
3. Abbreviation Dictionary:

"ALLEN HILL RD" : "A-HIL"
"BOYLSTON AVE" : "BYLN"
"GREGORY HILL RD" : "G-HIL"
"HUBBARDSTON RD" : "HUB"
"MOUNTAIN RD" : "MTN"
"PROSPECT ST" : "PRSP"
"RADFORD RD" : "RFRD"
"WORCESTER RD" : "WORC"
"MERRIAM" : "MRIM"
"GOODNOW" : "GDNW"

Princeton, Massachusetts

August 2020

Tighe&Bond
Engineers | Environmental Specialists

TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	Town Well (WELL-01G)			Mountain Rd Runoff	Thomas Prince School	E. Princeton FS	E. Princeton FS FB	Krashes Field DPW	9 Allen Hill Rd	9 Allen Hill Rd	12 Allen Hill Rd	12 Allen Hill Rd	15 Allen Hill Rd
											X		X	X
Sample Date		9/5/2019	9/27/2019	1/8/2020	2/27/2020	2/27/20	1/9/20	1/9/20	1/13/20	2/12/20	7/23/20	2/19/20	7/27/20	4/28/20
Lab Sample ID					20C0043	20C0041-01	20A0455-01	20A0455-02	20A0586-01	20B0669-01	20G1065-01	20B0848-01	20H0006-01	20E0031-01
Hydrocarbon (mg/l)														
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)														
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)														
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)														
11Cl-PF3OUdS (F53B Major)	NS	<1.82	<1.87	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<1.82	<1.87	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<1.82	<1.87	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<1.82	<1.87	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<1.82	<1.87	<1.84	3.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<1.82	<1.87	<1.84	3.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	26.9	17	31.9	58	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<1.82	<1.87	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<1.82	<1.87	2.86	88	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<1.82	<1.87	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<1.82	<1.87	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<1.82	<1.87	<1.84	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS													
Perfluorodecanoic acid (PFDA)	NS	<1.82	<1.87	<1.84	6.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<1.82	<1.87	2.47	23	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.2	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	94.4	78.1	168	710	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<1.82	<1.87	<1.84	3.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	26.4	18.9	52.6	2800	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	4.2	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	3.92	3.18	9.52	100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	5.8	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	**124.7**	**100**	**233**	**3642.3**	ND	ND	ND	ND	ND	ND	12.2	ND	ND
Total PFAS (ng/L)	NS	151.6	117	267	3795.3	ND	ND	ND	ND	ND	ND	12.2	ND	ND

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	19 Allen Hill Rd	20 Allen Hill Rd	32 Allen Hill Rd	32 Allen Hill Rd	7 Boylston Ave	7 Boylston Ave	7 Boylston Ave FB	7 Boylston INF	7 Boylston MID	7 Boylston EFF	7 Boylston INF	7 Boylston MID	7 Boylston EFF	7 Bolyston INF
		X	X		X							X	X	X	X
Sample Date		4/28/20	5/8/20	2/2/20	7/22/20	1/27/20	1/27/20	1/27/20	3/17/20	3/17/20	3/17/20	5/1/20	5/1/20	5/1/20	6/18/20
Lab Sample ID		20E0036-01	20E0576-01	20B0053-01	20G1064-01	20A1229-01	20A1229-01	20A1229-02	20C0972-01	20C0972-02	20C0972-03	20E0116-01	20E0116-02	20E0116-03	20F1337-01
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	<2.0	<2.0	3.7	3.6	<2.0	4.1	<2.0	<2.0	2.2	<2.0	<2.0	4.3
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	3.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	2.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	<2.0	<2.0	17	16	<2.0	20	<2.0	<2.0	12	<2.0	<2.0	22
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	<2.0	<2.0	<2.0	<2.0	6.2	4.5	4.7	6.2	<2.0	<2.0	3.3	<2.0	<2.0	4.9
perfluorooctanoic acid (PFOA)	NS	<2.0	3.1	<2.0	<2.0	<2.0	2.7	14	2.8	<2.0	<2.0	2.5	<2.0	<2.0	2.7
Total Regulated PFAS (ng/L)	20	ND	5.3	ND	ND	**23**	**23**	19	**29**	ND	ND	18	ND	ND	**30**
Total PFAS (ng/L)	NS	ND	8.3	ND	ND	27	27	19	33	ND	ND	20	ND	ND	34

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ug/l - micrograms per liter
ng/l - nanograms per liter
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	7 Bolyston MID	7 Bolyston EFF	7 Bolyston INF	7 Boylston MID	7 Boylston EFF	7 Bolyston FB	12 Boylston Ave	12 Bolyston Ave	12 Boylston INF	12 Boylston MID	12 Boylston EFF	12 Boylston INF	12 Boylston MID	12 Boylston EFF
		X	X	X	X	X	X			X	X	X	X	X	X
Sample Date		6/18/20	6/18/20	7/29/20	7/29/20	7/29/20	7/29/20	1/10/20	3/6/20	5/1/20	5/1/20	5/1/20	6/23/20	6/23/20	6/23/20
Lab Sample ID		20F1337-02	20F1337-03	20H0018-01	20H0018-02	20H0018-03	20H0018-05	20A0577-01	20C0333-01	20E0113-01	20E0113-02	20E0113-03	20F1334-01	20F1334-02	20F1334-03
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	360	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	780	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	380	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	<0.80	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	<1.0	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	120,000	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	<50	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	4.1	<2.0	<2.0	<2.0	9.1	-	7.5	<2.0	<2.0	8.9	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	2.1	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	23	<2.0	<2.0	<2.0	14	-	14	<2.0	<2.0	18	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	<2.0	<2.0	4.1	<2.0	<2.0	<2.0	6.4	-	5.7	<2.0	<2.0	6.4	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	5.7	-	5.9	<2.0	<2.0	6.8	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	ND	ND	**27**	ND	ND	ND	**26**	**-**	**26**	ND	ND	**31**	ND	ND
Total PFAS (ng/L)	NS	ND	ND	31	ND	ND	ND	35	-	33	ND	ND	42	ND	ND

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ug/l - micrograms per liter
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PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	**12 Boylston INF**	**12 Boylston MID**	**12 Boylston EFF**	**13 Boylston Ave**	**13 Boylston Ave**	**16 Boylston Ave**	**16 Boylston Ave**	**17 Boylston Ave**	**17 Boylston Ave**	**21 Boylston Ave**	**21 Boylston Ave FB**	**21 Boylston**	**24 Boylston Ave**	**24 Boylston Ave**
		X	X	X		X		X		X			X		X
Sample Date		7/31/2020	7/31/2020	7/31/2020	1/8/20	5/28/20	1/9/20	5/28/20	1/8/20	5/28/20	2/19/20	2/19/20	7/22/20	1/9/20	5/29/20
Lab Sample ID		20H0025-03	20H0025-01	20H0025-02	20A0416-01	20F0101-01	20A0424-01	20F0103-01	20A0421-01	20F0100-01	20B0952-01	20B0952-02	20G1077-01	20A0423-01	20F0104-01
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	7.7	<2.0	<2.0	<2.0	5.3	6.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	3.7	3.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	17.0	<2.0	<2.0	<2.0	4.7	5.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	<2.0	5.9	<2.0	<2.0	<2.0	7.2	5.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	<2.0	4.7	<2.0	<2.0	<2.0	8.0	8.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	ND	**27.6**	ND	ND	ND	19.9	19.6	ND	ND	ND	ND	ND	ND	ND
Total PFAS (ng/L)	NS	ND	35.3	ND	ND	ND	28.9	29.7	ND	ND	ND	ND	ND	ND	ND

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
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PFAS - Per- and Polyfluoroalkyl substances
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	32 Boylston Ave	40 Boylston Ave	40 Boylston Ave FB	4 Goodnow Rd	9 Gregory Rd	11 Gregory Hill Rd	11 Gregory Hill Rd	13 Gregory Hill Rd	13 Gregory Hill Rd FB	13 Gregory Hill Rd	13 Gregory Hill Rd DUP	14 Gregory Hill Rd	14 Gregory Hill	15 Gregory Hill Rd
		X	X	X	X			X			X	X		X	
Sample Date		5/28/20	4/28/20	4/28/20	4/28/20	2/1/20	1/22/20	5/29/20	1/10/20	1/10/20	5/29/20	5/29/20	1/9/20	5/29/20	1/13/20
Lab Sample ID		20F0102-01	20E0028-01	20E0028-02	20E0033-01	20B0052-01	20A1073-01	20F0043-01	20A0581-01	20A0581-02	20F0096-01	20F0096-02	20A0456-01	20F0098-01	20A0575-01
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-		-	-			-		-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.6	2.9	2.7
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.9
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	4.7
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.7	5.2	5.2
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	2.9	3.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.5	2.7	5.4
perfluorooctanoic acid (PFOA)	NS	3.7	5.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.2	3.4	5.1
Total Regulated PFAS (ng/L)	20	6.6	9.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.4	11.3	**20.4**
Total PFAS (ng/L)	NS	6.6	9.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.0	14.2	26.0

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	**15 Gregory Hill INF**	**15 Gregory Hill MID**	**15 Gregory Hill EFF**	**15 Gregory Hill INF**	**15 Gregory Hill MID**	**15 Gregory Hill EFF**	**15 Gregory Hill INF**	**15 Gregory Hill MID**	**15 Gregory Hill EFF**	**TB-07312020**	**21 Gregory Hill Rd**	**44 Gregory Hill Road**	**4 Gregory Hil**	**1 Hubbardston Rd**
					X	X	X	X	X	X				X	
Sample Date		3/11/20	3/11/20	3/11/20	6/23/20	6/23/20	6/23/20	7/31/2020	7/31/2020	7/31/2020	7/31/20	2/28/20	2/5/20	7/22/20	1/8/20
Lab Sample ID		20C0653-01	20C0653-02	20C0653-03	20F1328-01	20F1328-02	20F1328-03	20H0023-01	20H0023-02	20H0023-03	20H0023-04	20C0012-01	20B0261-01	20G1076-01	20A0419-01
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	3.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	7.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	6.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	22
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	5.4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	6.1
perfluorooctanoic acid (PFOA)	NS	2.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.4
Total Regulated PFAS (ng/L)	20	14.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**32**
Total PFAS (ng/L)	NS	17.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	39

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	**1 Hubbardston INF**	**1 Hubbardston MID**	**1 Hubbardston EFF**	**1 Hubbardston INF**	**1 Hubbardston MID**	**1 Hubbardston EFF**	**1 Hubbardston INF**	**1 Hubbardston MID**	**1 Hubbardston EFF**	**1 Hubbardston INF**	**1 Hubbardston MID**	**1 Hubbardston EFF**
		X	X	X	X	X	X	X	X	X	X	X	X
Sample Date		3/11/20	3/11/20	3/11/20	5/1/20	5/1/20	5/1/20	6/18/20	6/18/20	6/18/20	7/29/2020	7/29/2020	7/29/2020
Lab Sample ID		20C0654-01	20C0654-02	20C0654-03	20E0114-01	20E0114-02	20E0114-03	20F1335-01	20F1335-02	20F1335-03	20H0021-01	20H0021-02	20H0021-03
Hydrocarbon (mg/l)													
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)													
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)													
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)													
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	5.7	<2.0	<2.0	6.4	<2.0	<2.0	6.5	<2.0	<2.0	6.4	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS												
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	19	<2.0	<2.0	21	<2.0	<2.0	24	<2.0	<2.0	23.0	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	5.6	<2.0	<2.0	5.7	<2.0	<2.0	6.2	<2.0	<2.0	5.6	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	3	<2.0	<2.0	3.1	<2.0	<2.0	2.9	<2.0	<2.0	2.9	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	**28**	ND	ND	**30**	ND	ND	**33**	ND	ND	**31.5**	ND	ND
Total PFAS (ng/L)	NS	31	ND	ND	36	ND	ND	40	ND	ND	37.9	ND	ND

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
MCP - Massachusetts Contingency Plan
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PFAS - Per- and Polyfluoroalkyl substances
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	5 Hubbardston Rd	5 Hubbardston Rd	5 Hubbardston Rd	5 Hubbardston Inf	5 Hubbardston Mid	5 Hubbardston Eff	5 Hubbardston Rd INF	5 Hubbardston Rd MID	5 Hubbardston Rd EFF	X 5 Hubbardston Inf	X 5 Hubbardston Mid	X 5 Hubbardston Eff	7 Hubbardston Rd
Sample Date		12/5/19	12/5/19	12/5/19	2/5/20	2/5/20	2/5/20	3/5/20	3/5/20	3/5/20	5/1/20	5/1/20	5/1/20	12/5/19
Lab Sample ID		19L0336-01	19L0340-01	19L0336-01	20B0268-01	20B0268-02	20B0268-03	20C0330	20C0330	20C0330	20E0111-01	20E0111-02	20E0111-03	19L0336-02
Hydrocarbon (mg/l)														
Diesel/#2 Fuel	NS	<0.21	-	-	-	-	-	-	-	-	-	-	-	<0.21
General Chemistry (mg/l)														
Hardness (as CaCO3)	NS	-	-	350	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	670	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	390	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)														
Arsenic	NS	-	-	1.3	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	5.7	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	<50	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	130,000	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)														
11Cl-PF3OUdS (F53B Major)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
9Cl-PF3ONS (F53B Minor)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
N-EtFOSAA	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
N-MeFOSAA	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
perfluorobutanesulfonic acid (PFBS)	NS	-	8.4	-	6.3	<2.0	<2.0	4.3	<2.0	<2.0	4.6	<2.0	<2.0	-
Perfluorododecanoic acid (PFDoA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
Perfluorohexanoic acid (PFHxA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
Perfluorotetradecanoic acid (PFTA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
Perfluorotridecanoic acid (PFTrDA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
Perfluoroundecanoic acid (PFUnA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
PFAS - Regulated (ng/L)	NS													
Perfluorodecanoic acid (PFDA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
perfluoroheptanoic acid (PFHpA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
perfluorohexanesulfonic acid (PFHxS)	NS	-	29	-	25	<2.0	<2.0	11	<2.0	<2.0	15	<2.0	<2.0	-
perfluorononanoic acid (PFNA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-
perfluorooctanesulfonic acid (PFOS)	NS	-	7.3	-	6.9	<2.0	<2.0	4.9	<2.0	<2.0	4.8	<2.0	<2.0	-
perfluorooctanoic acid (PFOA)	NS	-	2.9	-	2.5	<2.0	<2.0	2.7	<2.0	<2.0	2.9	<2.0	<2.0	-
Total Regulated PFAS (ng/L)	20	-	**39**	-	**34**	ND	ND	19	ND	ND	**23**	ND	ND	-
Total PFAS (ng/L)	NS	-	48	-	41	ND	ND	23	ND	ND	27	ND	ND	-

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ug/l - micrograms per liter
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	**7 Hubbardston Rd**	**7 Hubbardston**	**15 Hubbardston Rd**	**15 Hubbardston Rd**	**15 Hubbardston INF**	**15 Hubbardston MID**	**15 Hubbardston EFF**	**15 Hubbardston INF**	**15 Hubbardston MID**	**15 Hubbardston EFF**	**15 Hubbardston INF**	**15 Hubbardston MID**
			X						X	X	X	X	X
Sample Date		12/5/19	6/5/20	12/5/19	1/17/20	2/26/20	2/26/20	2/26/20	5/1/20	5/1/20	5/1/20	6/18/20	6/18/20
Lab Sample ID		19L0341-01	20F0319-01	19L0334-01	20A0984-01	20B1182-01	20B1182-02	20B1182-03	20E0110-01	20E0110-02	20E0110-03	20F1325-01	20F1325-02
Hydrocarbon (mg/l)													
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)													
Hardness (as CaCO3)	NS	-	-	-	400	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	910	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	430	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)													
Arsenic	NS	-	-	-	<0.80	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	17	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	160,000	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	<50	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)													
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	2.3	3.1	27	-	17	<2.0	<2.0	21	<2.0	<2.0	21	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS												
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	3.5	5.8	110	-	73	<2.0	<2.0	95	<2.0	<2.0	90	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	3.3	3.5	18	-	14	<2.0	<2.0	21	<2.0	<2.0	18	<2.0
perfluorooctanoic acid (PFOA)	NS	2.9	2.4	4.6	-	3.5	<2.0	<2.0	4.2	<2.0	<2.0	3	<2.0
Total Regulated PFAS (ng/L)	20	9.7	11.7	**133**	-	**91**	ND	ND	**120**	ND	ND	**111**	ND
Total PFAS (ng/L)	NS	12	14.8	160	-	108	ND	ND	141	ND	ND	132	ND

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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	15 Hubbardston EFF	15 Hubbardston INF	15 Hubbardston MID	15 Hubbardston EFF	TB-07302020	19 Hubbardston Rd	19 Hubbardston Rd EFF	19 Hubbardston Rd INF	19 Hubbardston Rd Mid	19 Hubbardston Rd EFF	23 Hubbardston Rd	23 Hubbardston Rd
Sample Date		6/18/20	7/30/2020	7/30/2020	7/30/2020	7/30/20	12/5/19	2/26/20	6/5/20	6/5/20	6/5/20	1/10/20	1/27/20
Lab Sample ID		20F1325-03	20H0027-01	20H0027-02	20H0027-03	20H0027-04	19L0339-01	20B1183-01	20F0346-01	20F0346-02	20F0346-03	20A0578-01	20A1148-01
Hydrocarbon (mg/l)													
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)													
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)													
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)													
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	20.0	<2.0	<2.0	<2.0	2.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS												
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	92.0	<2.0	<2.0	<2.0	9.7	<2.0	5.8	<2.0	<2.0	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	<2.0	19.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	4.1	3.7
perfluorooctanoic acid (PFOA)	NS	<2.0	3.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	4.9	5.0
Total Regulated PFAS (ng/L)	20	ND	**114.9**	ND	ND	ND	9.7	ND	5.8	ND	ND	9.0	8.7
Total PFAS (ng/L)	NS	ND	134.9	ND	ND	ND	12.6	ND	5.8	ND	ND	9.0	8.7

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ug/l - micrograms per liter
ng/l - nanograms per liter
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	23 Hubbardston Rd	33 Hubbardston Rd	33 Hubbardston	36 Hubbardston Rd	36 Hubbardston	42 Hubbardston Rd	42 Hubbardston Rd	43 Hubbardston Rd	43 Hubbardston INF	43 Hubbardston MID	43 Hubbardston EFF	43 Hubbardston INF
Sample Date		5/29/20	2/5/20	7/23/20	2/6/20	7/22/20	2/10/20	7/23/20	12/12/19	5/8/20	5/8/20	5/8/20	6/23/20
Lab Sample ID		20F0097-01	20B0262-01	20G1075-01	20B0267-01	20G1165-01	20B0677-01	20G1074-01	19L0660-01	20E0570-01	20E0570-02	20E0570-03	20F1330-01
Hydrocarbon (mg/l)													
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)													
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)													
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)													
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	3.5	3.1	<2.0	<4.0	3.1
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0
PFAS - Regulated (ng/L)	NS												
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	4.4	4.4	<2.0	<4.0	4.6
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	3.3	2.5	2.1	<2.0	5.0	<4.0	7.9	10	10	<2.0	<4.0	12
perfluorooctanoic acid (PFOA)	NS	4.1	<2.0	2.1	<2.0	5.4	<4.0	7.8	15	15	<2.0	<4.0	15
Total Regulated PFAS (ng/L)	20	7.4	2.5	4.2	ND	10.4	ND	15.7	**29**	**29**	ND	ND	**32**
Total PFAS (ng/L)	NS	7.4	2.5	4.2	ND	10.4	ND	15.7	33	32	ND	ND	35

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
MCP - Massachusetts Contingency Plan
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PFAS - Per- and Polyfluoroalkyl substances
NS - No Standard
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Bold and boxed values indicate exceedances of criteria

TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	X	X	X	X	X		X		X		X		X
		43 Hubbardston MID	**43 Hubbardston EFF**	**43 Hubbardston INF**	**43 Hubbardston MID**	**43 Hubbardston EFF**	**44 Hubbardston Rd**	**44 Hubbardston Rd**	**46 Hubbardston Rd**	**46 Hubbardston Rd**	**48 Hubbardston Rd**	**48 Hubbardston Rd**	**52 Hubbardston Rd**	**73 Hubbardston Rd**
Sample Date		6/23/20	6/23/20	7/31/2020	7/31/2020	7/31/2020	2/10/20	7/23/20	2/12/20	7/23/20	2/12/20	7/23/20	2/12/20	6/11/20
Lab Sample ID		20F1330-02	20F1330-03	20H0004-01	20H0004-02	20H0004-03	20B0679-01	20G1090-01	20B0673-01	20G1073-01	20B0676-01	20G1097-01	20B0671-01	20F0739-01
Hydrocarbon (mg/l)														
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)														
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)														
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)														
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	2.9	<2.0	<2.0	<4.0	2.2	<4.0	2.2	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS													
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	4.5	<2.0	<2.0	<4.0	2.1	<4.0	2.4	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	<2.0	<2.0	9.9	<2.0	<2.0	<4.0	5.6	6.0	6.2	<2.0	<2.0	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	<2.0	<2.0	14.0	<2.0	<2.0	<4.0	7.1	6.2	8.8	<2.0	<2.0	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	ND	ND	**28.4**	ND	ND	ND	14.8	12.2	17.4	ND	ND	ND	ND
Total PFAS (ng/L)	NS	ND	ND	31.3	ND	ND	ND	17.0	12.2	19.6	ND	ND	ND	ND

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ug/l - micrograms per liter
ng/l - nanograms per liter
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	81 Hubbardstan Rd	57 Meriam Rd	57 Merriam EFF	59 Merrian Rd	70 Merriam Rd	TB-04282020	85 Merrian Rd	85 Merrian Rd	105 Merriam Rd	105 Merriam Rd	2 Mountain Rd	2 Mountain Rd	6 Mountain Rd
		X	X	X	X	X	X		X		X		X	
Sample Date		4/28/20	4/28/20	6/23/20	4/28/20	4/28/20	4/28/20	2/26/20	7/22/20	2/28/20	7/21/20	1/7/20	6/5/20	12/5/19
Lab Sample ID		20E0022-01	20E0023-01	20F1333-01	20E0025-01	20E0027-01	20E0028-03	20B1180-01	20G1072-01	20C0013-01	20G1087-01	20A0415-01	20F0318-01	19L0332-01
Hydrocarbon (mg/l)														
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)														
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)														
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)														
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	8.4
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS													
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.1	23
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	<2.0	4.3	<2.0	<2.0	<2.0	<2.0	2.7	2.9	<2.0	<2.0	<2.0	<2.0	4.7
perfluorooctanoic acid (PFOA)	NS	<2.0	2.5	<2.0	<2.0	<2.0	<2.0	4.1	5.1	<2.0	<2.0	<2.0	<2.0	2.4
Total Regulated PFAS (ng/L)	20	ND	6.8	ND	ND	ND	ND	6.8	8.0	ND	ND	ND	2.1	**30**
Total PFAS (ng/L)	NS	ND	6.8	ND	ND	ND	ND	6.8	8.0	ND	ND	ND	2.1	39

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ug/l - micrograms per liter
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	6 Mountain Rd	6 Mountain Inf	6 Mountain Mid	6 Mountain Eff	6 Mountain Rd FB	6 Mountain Rd INF	6 Mountain Rd MID	6 Mountain Rd EFF	6 Mountain Inf	6 Mountain Mid	6 Mountain Eff	6 Mountain Inf	6 Mountain Mid	6 Mountain Eff
										X	X	X	X	X	X
Sample Date		12/5/19	2/5/20	2/5/20	2/5/20	12/5/19	3/5/20	3/5/20	3/5/20	5/8/20	5/8/20	5/8/20	6/23/20	6/23/20	6/23/20
Lab Sample ID		19L0332-01	20B0269-01	20B0269-02	20B0269-03	19L0332-02	20C0331	20C0331	20C0331	20E0569-01	20E0569-02	20E0569-03	20F1329-01	20F1329-02	20F1329-03
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	370	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	510	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	280	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	4.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	<50	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	60,000	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	-	3.7	<2.0	<2.0	<2.0	5.8	<2.0	<2.0	4.3	<2.0	<2.0	4.1	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.5	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	-	12	<2.0	<2.0	<2.0	17	<2.0	<2.0	14	<2.0	<2.0	16	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.2	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	-	4.1	<2.0	<2.0	<2.0	5	<2.0	<2.0	4	<2.0	<2.0	11	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	-	2.1	<2.0	<2.0	<2.0	2.5	<2.0	<2.0	2.5	<2.0	<2.0	8.2	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	-	18	ND	ND	ND	**25**	ND	ND	**20**	ND	ND	**38**	ND	ND
Total PFAS (ng/L)	NS	-	22	ND	ND	ND	30	ND	ND	25	ND	ND	45	ND	ND

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ng/l - nanograms per liter
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RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	6 Mountain Inf	6 Mountain Mid	6 Mountain Eff	10 Mountain Rd	10 Mountain Rd	10 Mountain Rd	14 Mountain Rd	14 Mountain Rd	14 Mountain Rd	14 Mountain Road FB	14 Mountain Rd	18 Mountain Rd	18 Mountain Rd	18 Mountain Rd INF
		X	X	X			X					X			
Sample Date		7/29/20	7/29/20	7/29/20	12/5/19	12/5/19	6/11/20	1/9/20	1/9/20	1/22/20	1/9/20	5/29/20	1/10/20	2/14/20	2/14/20
Lab Sample ID		20H0009-01	20H0009-02	20H0009-03	19L0333-01	19L0336-03	20F0740-01	20A0410-01	20A0413-01	20A1071-01	20A0413-02	20F0105-01	20A0765-01	20B0851-01	20B0850-01
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	<0.21	-	<0.20	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	170	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	210	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	47	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	15,000	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	<50	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	3.7	<2.0	<2.0	<2.0	-	2.5	-	7.4	8.7	<2.0	7.8	25	-	20
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	3.4	-	2.8
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	13	<2.0	<2.0	<2.0	-	4.5	-	30	35	<2.0	33	150	-	110
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	3.5	<2.0	<2.0	2.0	-	3	-	6.1	7.8	<2.0	7.0	61	-	50
perfluorooctanoic acid (PFOA)	NS	<2.0	<2.0	<2.0	<2.0	-	3.4	-	2.6	2.3	<2.0	3.3	6.4	-	5.6
Total Regulated PFAS (ng/L)	20	17	ND	ND	2.0	-	10.9	-	**39**	**45**	ND	**43**	**217**	-	**166**
Total PFAS (ng/L)	NS	20	ND	ND	2.0	-	13.4	-	46	54	ND	51	246	-	188

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
MCP - Massachusetts Contingency Plan
MMCL is Massachusetts Maximun Containment Level
PFAS - Per- and Polyfluoroalkyl substances
NS - No Standard
<## - Parameter not detected above provided reporting limit
Bold and boxed values indicate exceedances of criteria

TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	18 Mountain Rd MID	18 Mountain Rd EFF	18 Mountain INF	18 Mountain MID	18 Mountain EFF	18 Mountain INF	18 Mountain MID	18 Mountain EFF	18 Mountain INF	18 Mountain MID	18 Mountain EFF	19 Mountain Rd	19 Mountain Rd	19 Mountain Rd INF
							X	X	X	X	X	X			
Sample Date		2/14/20	2/14/20	3/11/20	3/11/20	3/11/20	3/11/20	3/11/20	3/11/20	6/18/20	6/18/20	6/18/20	12/4/19	12/27/19	1/10/20
Lab Sample ID		20B0850-03	20B0850-02	20C0659-01	20C0659-02	20C0659-03	20C0659-01	20C0659-02	20C0659-03	20F1327-01	20F1327-02	20F1327-03	19L0338-01	19L1115-01	20A0763-01
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	240	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	480	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	200	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	7.8	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	71,000	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	<0.050	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	27	<2.0	<2.0	15	<2.0	<2.0	7.9	<2.0	<2.0	32	-	9.2
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	3.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	5.1	-	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.5	-	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	160	<2.0	<2.0	88	<2.0	<2.0	44	<2.0	<2.0	220	-	58
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	<2.0	<2.0	61	<2.0	<2.0	36	<2.0	<2.0	24	<2.0	<2.0	190	-	48
perfluorooctanoic acid (PFOA)	NS	<2.0	<2.0	6.4	<2.0	<2.0	4.9	<2.0	<2.0	3.1	<2.0	<2.0	11	-	3.5
														-	
Total Regulated PFAS (ng/L)	20	ND	ND	**227**	ND	ND	**129**	ND	ND	**71**	ND	ND	**424**	-	**110**
Total PFAS (ng/L)	NS	ND	ND	258	ND	ND	144	ND	ND	79	ND	ND	461	-	119

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
MCP - Massachusetts Contingency Plan
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PFAS - Per- and Polyfluoroalkyl substances
NS - No Standard
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	19 Mountain Rd MID	19 Mountain Rd EFF	19 Mountain Rd FB	19 Mountain Rd INF	19 Mountain Rd MID	19 Mountain Rd EFF	19 Mountain Rd FB	19 Mountain Rd INF	19 Mountain Rd MID	19 Mountain Rd EFF	19 Mountain Rd INF	19 Mountain Rd MID	19 Mountain Rd EFF	TB-03032020
Sample Date		1/10/20	1/10/20	1/10/20	1/17/20	1/17/20	1/17/20	1/17/20	1/31/20	1/31/20	1/31/20	3/3/20	3/3/20	3/3/20	3/3/20
Lab Sample ID		20A0763-02	20A0763-03	20A0763-04	20A0981-01	20A0981-02	20A0981-03	20A0981-04	20B0055-01	20B0055-03	20B0055-02	20C0332	20C0332	20C0332	20C0332-04
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	<2.0	28	<2.0	<2.0	<2.0	6.3	<2.0	<2.0	7.1	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	4.4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	2.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	<2.0	190	<2.0	<2.0	<2.0	38	<2.0	<2.0	39	<2.0	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	<2.0	<2.0	<2.0	140	<2.0	<2.0	<2.0	32	<2.0	<2.0	28	<2.0	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	<2.0	<2.0	<2.0	8.9	<2.0	<2.0	<2.0	3.0	<2.0	<2.0	3.1	<2.0	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	ND	ND	ND	**341**	ND	ND	ND	**73**	ND	ND	**70**	ND	ND	ND
Total PFAS (ng/L)	NS	ND	ND	ND	374	ND	ND	ND	79	ND	ND	77	ND	ND	ND

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
MCP - Massachusetts Contingency Plan
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PFAS - Per- and Polyfluoroalkyl substances
NS - No Standard
<## - Parameter not detected above provided reporting limit
Bold and boxed values indicate exceedances of criteria

TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	19 Mountain INF	19 Mountain MID	19 Mountain EFF	19 Mountain INF	19 Mountain MID	19 Mountain EFF	19 Mountain INF	19 Mountain MID	19 Mountain EFF	20 Mountain Rd	20 Mountain Rd	20 Mountain Rd INF	20 Mountain Rd MID	20 Mountain Rd EFF
Sample Date		X 5/8/20	X 5/8/20	X 5/8/20	X 6/18/20	X 6/18/20	X 6/18/20	X 7/29/20	X 7/29/20	X 7/29/20	1/10/20	2/14/20	2/14/20	2/14/20	2/14/20
Lab Sample ID		20E0573-01	20E0573-02	20E0573-03	20F1331-01	20F1331-02	20F1331-03	20H0014-01	20H0014-02	20H0014-03	20A0764-01	20B0852-01	20B0849-01	20B0849-02	20B0849-03
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	170	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	210	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	33	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	3.6	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	<1.0	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	11,000	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	<50	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	11	<2.0	<2.0	42	<2.0	<2.0	12	<2.0	<2.0	12	-	14	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	2.6	<2.0	<2.0	8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	2.1	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	3.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	71	<2.0	<2.0	350	<2.0	<2.0	80	<2.0	<2.0	60	-	74	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	44	<2.0	<2.0	230	<2.0	<2.0	55	<2.0	<2.0	22	-	28	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	4.2	<2.0	<2.0	12	<2.0	<2.0	4.0	<2.0	<2.0	3.5	-	4.1	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	**119**	ND	ND	**596**	ND	ND	**139**	ND	ND	**86**	-	**106**	ND	ND
Total PFAS (ng/L)	NS	133	ND	ND	646	ND	ND	151	ND	ND	98	-	122	ND	ND

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
MCP - Massachusetts Contingency Plan
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PFAS - Per- and Polyfluoroalkyl substances
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Bold and boxed values indicate exceedances of criteria

TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	20 Mountain INF	20 Mountain MID	20 Mountain EFF	20 Mountain INF	20 Mountain MID	20 Mountain EFF	20 Mountain INF	20 Mountain MID	20 Mountain EFF	21 Mountain Rd	21 Mountain Rd	21 Mountain Rd INF	21 Mountain Rd MID	21 Mountain Rd EFF
					X	X	X	X	X	X					
Sample Date		3/17/20	3/17/20	3/17/20	6/18/20	6/18/20	6/18/20	7/29/2020	7/29/2020	7/29/2020	12/5/19	1/17/20	1/24/20	1/24/20	1/24/20
Lab Sample ID		20C0973-01	20C0973-02	20C0973-03	20F1339-01	20F1339-02	20F1339-03	20H0019-01	20H0019-02	20H0019-03	19L0331-01	20A0982-01	20A1171-01	20A1171-02	20A1171-03
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	240	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	400	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	130	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	1.6	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	21	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	27,000	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	<50	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	15	<2.0	<2.0	19	<2.0	<2.0	18	<2.0	<2.0	8.2	-	7.5	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	2.7	<2.0	<2.0	<2.0	<2.0	<2.0	2.4	-	2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	78	<2.0	<2.0	120	<2.0	<2.0	110	<2.0	<2.0	53	-	47	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	30	<2.0	<2.0	44	<2.0	<2.0	44	<2.0	<2.0	44	-	37	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	4.2	<2.0	<2.0	5.2	<2.0	<2.0	4.3	<2.0	<2.0	5.4	-	4.6	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	**112**	ND	ND	**169**	ND	ND	**158**	ND	ND	**102**	-	**89**	ND	ND
Total PFAS (ng/L)	NS	127	ND	ND	191	ND	ND	176	ND	ND	113	-	98	ND	ND

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	21 Mountain Rd FB	21 Mountain Rd INF	21 Mountain Rd MID	21 Mountain Rd EFF	21 Mountain Rd. INF	21 Mountain Rd. MID	21 Mountain Rd. EFF	21 Mountain INF	21 Mountain MID	21 Mountain EFF	21 Mountain INF	21 Mountain MID	21 Mountain EFF	21 Mountain INF
												X	X	X	X
Sample Date		1/24/20	1/31/20	1/31/20	1/31/20	2/7/20	2/7/20	2/7/20	3/17/20	3/17/20	3/17/20	3/17/20	3/17/20	3/17/20	6/30/20
Lab Sample ID		20A1171-04	20B0057-01	20B0057-02	20B0057-03	20B0429-01	20B0429-02	20B0429-03	20C0969-01	20C0969-02	20C0969-03	20C0969-01	20C0969-02	20C0969-03	20G0123-01
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	5.5	<2.0	<2.0	4.3	<2.0	<2.0	7.4	<2.0	<2.0	4	<2.0	<2.0	4.5
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	2.2	<2.0	<2.0	3.2	<2.0	<2.0	3	<2.0	<2.0	2.4	<2.0	<2.0	2.2
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	2.1	<2.0	<2.0	3.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	37	<2.0	<2.0	28	<2.0	<2.0	46	<2.0	<2.0	25	<2.0	<2.0	29
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	<2.0	35	<2.0	<2.0	26	<2.0	<2.0	35	<2.0	<2.0	21	<2.0	<2.0	24
perfluorooctanoic acid (PFOA)	NS	<2.0	5.7	<2.0	<2.0	5.4	<2.0	<2.0	4.7	<2.0	<2.0	5.4	<2.0	<2.0	5
Total Regulated PFAS (ng/L)	20	ND	**78**	ND	ND	**62**	ND	ND	**89**	ND	ND	**51**	ND	ND	**58**
Total PFAS (ng/L)	NS	ND	85	ND	ND	69	ND	ND	99	ND	ND	58	ND	ND	65

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ug/l - micrograms per liter
ng/l - nanograms per liter
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PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	21 Mountain MID	21 Mountain EFF	21 Mountain INF	21 Mountain MID	21 Mountain EFF	22 Mountain	29 Mountain Rd	29 Mountain Rd	29 Mountain Rd	29 Mountain INF	29 Mountain MID	29 Mountain EFF	29 Mountain INF	29 Mountain MID
		X	X	X	X	X	X							x	X
Sample Date		6/30/20	6/30/20	7/31/2020	7/31/2020	7/31/2020	7/31/2020	1/8/20	1/8/20	3/11/20	3/11/20	3/11/20	3/11/20	5/8/20	5/8/20
Lab Sample ID		20G0123-02	20G0123-03	20H0024-01	20H0024-02	20H0024-03	20H0029-01	20A0411-01	20A0418-01	20C0657	20C0655-01	20C0655-02	20C0655-03	20E0572-01	20E0572-02
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	<0.25	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	350	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	760	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	290	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	<50	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	<0.80	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	11	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	88,000	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	5.6	<2.0	<2.0	86.0	-	9.6	-	6.7	<2.0	<2.0	4	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	8.7	-	2.5	-	2	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	3.7	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	37.0	<2.0	<2.0	490	-	59	-	41	<2.0	<2.0	21	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	<2.0	<2.0	25.0	<2.0	<2.0	180.0	-	53	-	38	<2.0	<2.0	27	<2.0
perfluorooctanoic acid (PFOA)	NS	<2.0	<2.0	4.5	<2.0	<2.0	16.0	-	5.3	-	5.1	<2.0	<2.0	4.4	<2.0
Total Regulated PFAS (ng/L)	20	ND	ND	**66.5**	ND	ND	**690**	-	**117**	-	**84**	ND	ND	**52**	ND
Total PFAS (ng/L)	NS	ND	ND	72.1	ND	ND	784	-	129	-	93	ND	ND	56	ND

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
MCP - Massachusetts Contingency Plan
MMCL is Massachusetts Maximun Containment Level
PFAS - Per- and Polyfluoroalkyl substances
NS - No Standard
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Bold and boxed values indicate exceedances of criteria

TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	29 Mountain EFF	29 Mountain Rd EFF	29 Mountain INF	29 Mountain MID	29 Mountain EFF	29 Mountain EFF	29 Mountain INF	29 Mountain MID	29 Mountain EFF	TB 07142020	30 Mountain Rd	30 Mountain Rd	TB 060520	33 Mountain Rd.
		x	X	X	X	X	X	X	X	X	X		X		
Sample Date		5/8/20	6/3/20	6/30/20	6/30/20	6/30/20	7/14/20	7/29/20	7/29/20	7/29/20	7/14/20	1/27/20	6/5/20	6/5/20	2/7/20
Lab Sample ID		20E0572-03	20F0316-01	20G0120-01	20G0120-02	20G0120-03	20G0591-01	20H0020-01	20H0020-02	20H0020-03	20G0591-02	20A1146-01	20F0317-01	20F0317-02	20B0430-01
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-								-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	2.9	<2.0	4.9	<2.0	4.2	<2.0	5.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	<2.0	2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	16	<2.0	25	<2.0	23	<2.0	30	<2.0	<2.0	<2.0	4.4	3.9	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	21	<2.0	21	<2.0	22	<2.0	22	<2.0	<2.0	<2.0	5.4	4.1	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	3.5	<2.0	4.7	<2.0	4.5	<2.0	3.8	<2.0	<2.0	<2.0	6.1	4.6	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	**41**	ND	**51**	<2.0	**50**	ND	**56**	ND	ND	ND	15.9	12.6	ND	ND
Total PFAS (ng/L)	NS	43	ND	56	<2.0	56	ND	61	ND	ND	ND	15.9	12.6	ND	ND

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	33 Mountain	38 Mountain Rd	38 Mountain	51 Mountain Rd	51 Mountain Rd	51 Mountain Inf	51 Mountain Mid	51 Mountain Eff	51 Mountain Inf	51 Mountain Mid	51 Mountain Eff	51 Mountain Inf	51 Mountain Mid	51 Mountain Eff
Sample Date		7/22/20	2/14/20	7/21/20	2/12/20	3/6/20	5/28/20	5/28/20	5/28/20	6/23/20	6/23/20	6/23/20	7/31/2020	7/31/2020	7/31/2020
Lab Sample ID		20G1071-01	20B0846-01	20G1070-01	20B0681-01	20C0334-01	20F0106-01	20F0106-02	20F0106-03	20F1332-01	20F1332-02	20F1332-03	20H0013-01	20H0013-02	20H0013-03
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	260	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	560	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	300	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	<0.80	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	<1.0	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	97,000	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	<50	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<4.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<4.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<4.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<4.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<4.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<4.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	<2.0	<4.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<4.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	6.9	-	6.1	<2.0	<2.0	5.1	<2.0	<2.0	6.8	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<4.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<4.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<4.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<4.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	9.5	-	9.4	<2.0	<2.0	9	<2.0	<2.0	11.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	<2.0	<4.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<4.0	-	3.0	<2.0	<2.0	2.6	<2.0	<2.0	3.2	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	<2.0	2.2	2.4	24	-	23	<2.0	2.9	21	<2.0	<2.0	24.0	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	<2.0	<2.0	3.0	29	-	29	<2.0	<2.0	28	<2.0	<2.0	30.0	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	ND	2.2	5.4	**62**	-	**64**	ND	2.9	**61.0**	ND	ND	**68.2**	ND	ND
Total PFAS (ng/L)	NS	ND	2.2	5.4	69	-	70	ND	2.9	66.0	ND	ND	75.0	ND	ND

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	54 Mountain Rd	54 Mountain Rd FB	58 Mountain Rd	58 Mountain Inf	58 Mountain Mid	58 Mountain Eff	58 Mountain	58 Mountain Inf	58 Mountain Mid	58 Mountain Eff	64 Mountain Rd	64 Mountain Rd INF	64 Mountain Rd MID	64 Mountain Rd EFF
Sample Date		2/26/20	2/26/20	2/26/20	7/14/20	7/14/20	7/14/20	7/31/2020	7/31/2020	7/31/2020	7/31/2020	1/30/20	3/3/20	3/3/20	3/3/20
Lab Sample ID		20B1181-01	20B1181-02	20B1178-01	20G0590-01	20G0590-02	20G0590-03	20H0008-01	20H0015-01	20H0015-02	20H0015-03	20A1378-01	20C0329	20C0329	20C0329
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	140	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	310	-	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-					-	-	-	-	-	-	-
Calcium	NS	-	-	-	54,000	-	-		-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-		-	-	-	-	-	-	-
Sodium	NS	-	-	-	22,000	-	-		-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	<50	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	5.2	<2.0	19	19	<2.0	<2.0	-	3.6	<2.0	<2.0	14	20	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	6.2	6.9	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	7.6	<2.0	29	31	<2.0	<2.0	-	6.0	<2.0	<2.0	19	23	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	20	20	<2.0	<2.0	-	3.5	<2.0	<2.0	<2.0	2.5	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	18	<2.0	210	230	<2.0	<2.0	-	35.0	<2.0	<2.0	22	20	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	20	<2.0	89	95	<2.0	<2.0	-	18.0	<2.0	<2.0	34	44	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	**46**	ND	**354**	**383**	ND	ND	-	**62.5**	ND	ND	**75**	**90**	ND	ND
Total PFAS (ng/L)	NS	51	ND	373	402	ND	ND	-	66.1	ND	ND	89	110	ND	ND

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
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NS - No Standard
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	64 Mountain INF	64 Mountain MID	64 Mountain EFF	64 Mountain INF	64 Mountain MID	64 Mountain EFF	64 Mountain INF	64 Mountain MID	64 Mountain EFF	TB-06182020	5 Prospect St	5 Prospect St	5 Prospect St. INF	5 Prospect St. MID
Sample Date		5/8/20	5/8/20	5/8/20	6/18/20	6/18/20	6/18/20	7/29/20	7/29/20	7/29/20	6/18/20	1/13/20	1/20/20	1/24/20	1/24/20
Lab Sample ID		20E0575-01	20E0575-02	20E0575-03	20F1341-01	20F1341-02	20F1341-03	20H0011-01	20H0011-02	20H0011-03	20F1341-04	20A0546-01	20A0986-01	20A1143-01	20A1143-03
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	330	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	530	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	210	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	35,000	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	<50	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	9.4	-	2.4	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	15	<2.0	<2.0	18	<2.0	<2.0	2.1	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	18	<2.0	<2.0	22	<2.0	<2.0	2.6	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	32	-	6.6	<2.0
perfluorononanoic acid (PFNA)	NS	2.2	<2.0	<2.0	2.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	15	<2.0	<2.0	20	<2.0	<2.0	2.4	<2.0	<2.0	<2.0	6.2	-	3.0	<2.0
perfluorooctanoic acid (PFOA)	NS	34	<2.0	<2.0	43	<2.0	<2.0	5.3	<2.0	<2.0	<2.0	<2.0	-	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	**69**	ND	ND	**87**	ND	ND	10	ND	ND	ND	**38**	-	9.6	ND
Total PFAS (ng/L)	NS	84	ND	ND	105	ND	ND	12	ND	ND	ND	48	-	12.0	ND

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	5 Prospect St. EFF	5 Prospect St INF	5 Prospect St MID	5 Prospect St EFF	5 Prospect St. INF	5 Prospect St. MID	5 Prospect St. EFF	5 Prospect Inf	5 Prospect Mid	5 Prospect Eff	5 Prospect Inf	5 Prospect Mid	5 Prospect Eff	TB-07272020
									X	X	X	X	X	X	X
Sample Date		1/24/20	1/31/20	1/31/20	1/31/20	2/7/20	2/7/20	2/7/20	6/18/20	6/18/20	6/18/20	7/27/20	7/27/20	7/27/20	7/27/20
Lab Sample ID		20A1143-02	20B0054-01	20B0054-02	20B0054-03	20B0428-01	20B0428-02	20B0428-03	20F1336-01	20F1336-02	20F1336-03	20H0022-01	20H0022-02	20H0022-03	20H0022-04
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.4	<2.0	<2.0	2.2	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	2.5	<2.0	<2.0	2.4	<2.0	<2.0	7	<2.0	<2.0	5.6	<2.0	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.8	<2.0	<2.0	2.6	<2.0	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	ND	2.5	ND	ND	2.4	ND	ND	9.8	ND	ND	8.2	ND	ND	ND
Total PFAS (ng/L)	NS	ND	2.5	ND	ND	2.4	ND	ND	12.2	ND	ND	10.4	ND	ND	ND

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ug/l - micrograms per liter
ng/l - nanograms per liter
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	**7 Prospect St**	**7 Prospect St.**	**11 Prospect St**	**11 Prospect Rd INF**	**11 Prospect Rd MID**	**11 Prospect Rd EFF**	**16 Prospect St**	**16 Prospect St.**	**17 Prospect St**	**17 Prospect St.**	**18 Prospect St**	**18 Prospect St.**	**21 Prospect St.**	**21 Prospect**
			X						X		X		X		X
Sample Date		12/9/19	6/5/20	1/8/20	2/20/20	2/20/20	2/20/20	1/22/20	6/5/20	1/8/20	6/5/20	1/8/20	6/5/20	2/5/20	7/22/20
Lab Sample ID		19L0552-01	20F0321-01	20A0417-01	20B0953-01	20B0953-02	20B0953-03	20A1072-01	20F0322-01	20A0422-01	20F0344-01	20A0420-01	20F0323-01	20B0263-01	20G1086-01
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	3.1	2.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	8.8	11	2.1	3.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	4.5	6	2.3	2.5	<2.0	<2.0	<2.0	<2.0	2.8	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	13.3	17	4.4	5.8	ND	ND	ND	ND	2.8	ND	ND	ND	ND	ND
Total PFAS (ng/L)	NS	16.4	20	4.4	5.8	ND	ND	ND	ND	2.8	ND	ND	ND	ND	ND

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ug/l - micrograms per liter
ng/l - nanograms per liter
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PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	26 Prospect St	26 Prospect	TB-07232020	41 Prospect St	TB-05152020	2 Radford Rd	7 Radford Rd	7 Radford Rd	8 Radford Rd	8 Radford Rd	11 Radford Rd	11 Radford Rd	TB-07222020	12 Radford Rd
			X	X	X	X			X		X		X	X	X
Sample Date		2/6/20	7/23/20	7/23/20	5/15/20	5/15/20	2/19/20	2/28/20	7/21/20	2/28/20	7/21/20	2/14/20	7/22/2020	7/22/20	5/1/20
Lab Sample ID		20B0266-01	20G1088-01	20G1088-02	20E0749-01	20E0749-02	20B0954-01	20C0014-01	20G1069-01	20C0015-01	20G1068-01	20B0847-01	20G1167-01	20G1167-02	20E0115-01
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.4
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.2
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.3	2.7	2.5	3.1	2.3	3.1	<2.0	8.3
perfluorooctanoic acid (PFOA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	3.2	3.9	4.1	2.7	3.1	<2.0	11
Total Regulated PFAS (ng/L)	20	ND	ND	ND	ND	ND	ND	2.3	5.9	6.4	7.2	5.0	6.2	ND	**22.0**
Total PFAS (ng/L)	NS	ND	ND	ND	ND	ND	ND	2.3	5.9	6.4	7.2	5.0	6.2	ND	25.0

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
MCP - Massachusetts Contingency Plan
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NS - No Standard
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Bold and boxed values indicate exceedances of criteria

TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	12 Redford Inf	12 Redford Mid	12 Redford Eff	12 Redford Inf	12 Redford Mid	12 Redford Eff	13 Radford Rd	13 Radford Rd	TB-0721220	28 Radford Rd	28 Radford	29 Radford Rd	29 Radford Rd FB	29 Radford
		X	X	X	X	X	X		X	X		X			X
Sample Date		6/30/20	6/30/20	6/30/20	7/31/2020	7/31/2020	7/31/2020	3/4/20	7/21/20	7/21/20	1/30/20	7/21/20	3/17/20	3/17/20	7/21/20
Lab Sample ID		20G0116-01	20G0116-02	20G0116-03	20H0028-01	20H0028-02	20H0028-03	20C0327-01	20G1059-01	20G1059-02	20A1380-01	20G1066-01	20C0970-01	20C0970-01	20G1067-01
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.1	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	2.7	<2.0	<2.0	2.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	3.2	<2.0	<2.0	3.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.7	<2.0	<2.0	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	7.5	<2.0	<2.0	8.9	<2.0	<2.0	<2.0	<2.0	<2.0	7.0	4.0	3.50	<2.0	2.8
perfluorooctanoic acid (PFOA)	NS	9.8	<2.0	<2.0	11.0	<2.0	<2.0	<2.0	<2.0	<2.0	5.4	4.6	3.20	<2.0	2.4
Total Regulated PFAS (ng/L)	20	**20.5**	ND	ND	**23.2**	ND	ND	ND	ND	ND	15.1	8.6	6.7	ND	5.2
Total PFAS (ng/L)	NS	23.2	ND	ND	25.5	ND	ND	ND	ND	ND	17.2	8.6	6.7	ND	5.2

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	**33 RadFord Rd**	**37 Radford Road**	**18 Sterling Road (LAV)**	**18 Sterling Road (LAV)**	**Field Blank**	**1 Worcester Rd**	**1 Worcester Rd**	**TB-06112020**	**10 Worcester Rd**	**10 Worcester Rd**	**15 Worcester Rd.**	**15 Worcester Rd.**	**16 Worcester Rd.**	**16 Worcester Rd.**
		X	X										X		X
Sample Date		5/29/20	4/28/20	3/29/20	3/29/20	3/29/20	1/7/20	6/11/20	6/11/20	1/9/20	6/11/20	3/6/20	7/21/20	2/5/20	7/29/2020
Lab Sample ID		20F0099-01	20E0034-01	20C1338-01	20C1338-02	20C1338-03	20A0414-01	20F0736-01	20F0736-02	20A0412-01	20F0738-01	20C0328-01	20G1063-01	20B0264-01	20H0026-01
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	100	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	1.3	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	<10	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	5700	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	<50	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	3.8	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	8.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	<2.0	<2.0	2.7	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	<2.0	2.1	<2.0	-	<2.0	<2.0	<2.0	<2.0	2.3	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	<2.0	<2.0	<2.0	-	<2.0	<2.0	2.5	<2.0	3.6	3	3.1	3.1	2.2	2.6
Total Regulated PFAS (ng/L)	20	ND	2.1	ND	-	ND	ND	2.5	ND	16.6	3	3.1	3.1	2.2	2.6
Total PFAS (ng/L)	NS	ND	2.1	ND	-	ND	ND	2.5	ND	20.4	3	3.1	3.1	2.2	2.6

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
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TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	**17 Worcester Rd.**	**17 Worcester Rd.**	**17 Worcester Rd.**	**17 Worcester Rd.**	**20 Worcester Rd.**	**20 Worcester Rd.**	**23 Worcester Rd.**	**23 Worcester Rd.**	**MW-6**	**TB-06232020**	**MW-10A**	**MW-10A**	**MW-10D**	**MW-10D**
			X	X	X		X		X	X	X				
Sample Date		2/10/20	7/21/20	7/21/20	7/27/20	3/17/20	7/21/20	2/5/20	7/21/20	6/23/20	6/23/20	1/2/20	1/2/20	1/2/20	1/2/20
Lab Sample ID		20B0431-01	20G1061-01	20G1087-01	20H0006-01	20C0971-01	20G1062-01	20B0265-01	20G1060-01	20F1324-01	20F1324-02	20A0099-03	20A0105-03	20A0099-01	20A0105-01
Hydrocarbon (mg/l)															
Diesel/#2 Fuel	NS	-	-	-	-	-	-	-	-	-	-	0.23	-	0.49	-
General Chemistry (mg/l)															
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)															
Arsenic	NS	-	-	-	-	-	-	-	-		-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)															
11Cl-PF3OUdS (F53B Major)	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0
9Cl-PF3ONS (F53B Minor)	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	3.8	<2.0	-	<2.0	-	<2.0
N-EtFOSAA	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0
N-MeFOSAA	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	4.6	<2.0	-	5.3	-	7.2
Perfluorododecanoic acid (PFDoA)	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0
Perfluorohexanoic acid (PFHxA)	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	11	<2.0	-	4.1	-	3.6
Perfluorotetradecanoic acid (PFTA)	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0
PFAS - Regulated (ng/L)	NS														
Perfluorodecanoic acid (PFDA)	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0
perfluoroheptanoic acid (PFHpA)	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	3.2	<2.0	-	2.1	-	3.3
perfluorohexanesulfonic acid (PFHxS)	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	9.9	<2.0	-	22	-	39
perfluorononanoic acid (PFNA)	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	<2.0	-	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	-	4.0	-	28
perfluorooctanoic acid (PFOA)	NS	<2.0	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	15	<2.0	-	4.5	-	8.6
Total Regulated PFAS (ng/L)	20	ND	ND	-	-	ND	ND	ND	ND	**28**	ND	-	**33**	-	**79**
Total PFAS (ng/L)	NS	ND	ND	-	-	ND	ND	ND	ND	48	ND	-	42	-	90

mg/l - milligrams per liter
ug/l - micrograms per liter
ng/l - nanograms per liter
MCP - Massachusetts Contingency Plan
MMCL is Massachusetts Maximun Containment Level
PFAS - Per- and Polyfluoroalkyl substances
NS - No Standard
<## - Parameter not detected above provided reporting limit
Bold and boxed values indicate exceedances of criteria

TABLE 1
PFAS Drinking Water Summary
Princeton, Massachusetts
RTN 2-21072
Last Updated: 08/20/2020

Sample ID	MassDEP MCP GW-1 & Proposed MMCL	MW-14	MW-14	MW-18R	MW-18R	Field Blank	TB-12052019	TB-12092019	TB-01022020	TB-01102020	TB-01172020	TB-01212020	TB-01272020	TB-01312020
Sample Date		1/2/20	1/2/20	1/2/20	1/2/20	1/2/20	12/5/19	12/12/19	1/2/20	1/14/20	1/22/20	1/24/20	1/27/20	1/31/20
Lab Sample ID		20A0099-02	20A0105-02	20A0099-04	20A0105-04	20A0105-05	19L0335-01	19L0552-02	20A0105-06	20A0583-01	20A0981-05	20A1171-05	20A1148-02	20B0057-04
Hydrocarbon (mg/l)														
Diesel/#2 Fuel	NS	<0.20	-	0.62	-	-	-	-	-	-	-	-	-	-
General Chemistry (mg/l)														
Hardness (as CaCO3)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Solids (Total Dissolved)	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloride	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals 6010 (ug/l)														
Arsenic	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS - Unregulated (ng/L)														
11Cl-PF3OUdS (F53B Major)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS (F53B Minor)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-EtFOSAA	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorobutanesulfonic acid (PFBS)	NS	-	21	-	3.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	NS	-	2.1	-	2.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFAS - Regulated (ng/L)	NS													
Perfluorodecanoic acid (PFDA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluoroheptanoic acid (PFHpA)	NS	-	<2.0	-	2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorohexanesulfonic acid (PFHxS)	NS	-	200	-	17	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorononanoic acid (PFNA)	NS	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanesulfonic acid (PFOS)	NS	-	140	-	7.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
perfluorooctanoic acid (PFOA)	NS	-	6.5	-	3.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total Regulated PFAS (ng/L)	20	-	**347**	-	**29**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PFAS (ng/L)	NS	-	370	-	36	ND	ND	ND	ND	ND	ND	ND	ND	ND

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