

**WATER QUALITY REPORT**  
**PAC/LOCKE LAKE WATER SYSTEM, CENTER BARNSTEAD, NH**  
**EPA # 0142010**

**VOLATILE ORGANIC CONTAMINANTS (b) (Units µg/L)**

Analyte	Peacham Rd	Date	Airstrip	Date	MCL
1,1,1,2-Tetrachloroethane	< 0.5	3/6/19	< 0.5	3/6/19	NR
1,1,1-Trichloroethane	< 0.5	3/6/19	< 0.5	3/6/19	200
1,1,2,2-Tetrachloroethane	< 0.5	3/6/19	< 0.5	3/6/19	NR
1,1,2-Trichloroethane	< 0.5	3/6/19	< 0.5	3/6/19	5
1,1-Dichloroethane	< 0.5	3/6/19	< 0.5	3/6/19	NR
1,1-Dichloroethylene	< 0.5	3/6/19	< 0.5	3/6/19	7
1,1-Dichloropropylene	< 0.5	3/6/19	< 0.5	3/6/19	NR
1,2,3-Trichlorobenzene	< 0.5	3/6/19	< 0.5	3/6/19	NR
1,2,3-Trichloropropane	< 0.5	3/6/19	< 0.5	3/6/19	NR
1,2,4-Trichlorobenzene	< 0.5	3/6/19	< 0.5	3/6/19	70
1,2,4-Trimethylbenzene	< 0.5	3/6/19	< 0.5	3/6/19	NR
1,2-Dibromo-3-chloropropane	< 0.5	3/6/19	< 0.5	3/6/19	0.2
1,2-Dibromoethane	< 0.5	3/6/19	< 0.5	3/6/19	NR
1,2-Dichlorobenzene	< 0.5	3/6/19	< 0.5	3/6/19	600
1,2-Dichloroethane	< 0.5	3/6/19	< 0.5	3/6/19	5
1,2-Dichloropropane	< 0.5	3/6/19	< 0.5	3/6/19	5
1,3,5-Trimethylbenzene	< 0.5	3/6/19	< 0.5	3/6/19	NR
1,3-Dichlorobenzene	< 0.5	3/6/19	< 0.5	3/6/19	NR
1,3-Dichloropropane	< 0.5	3/6/19	< 0.5	3/6/19	NR
1,4-Dichlorobenzene	< 0.5	3/6/19	< 0.5	3/6/19	75
2-Chlorotoluene	< 0.5	3/6/19	< 0.5	3/6/19	NR
4-Chlorotoluene	< 0.5	3/6/19	< 0.5	3/6/19	NR
4-Isopropyltoluene	< 0.5	3/6/19	< 0.5	3/6/19	NR
Benzene	< 0.5	3/6/19	< 0.5	3/6/19	5
Bromobenzene	< 0.5	3/6/19	< 0.5	3/6/19	NR
Bromochloromethane	< 0.5	3/6/19	< 0.5	3/6/19	NR
Bromodichloromethane	< 0.5	3/6/19	< 0.5	3/6/19	80
Bromoform	< 0.5	3/6/19	< 0.5	3/6/19	80
Bromomethane	< 0.5	3/6/19	< 0.5	3/6/19	NR
Carbon Disulfide	< 0.5	3/6/19	< 0.5	3/6/19	NR
Carbon Tetrachloride	< 0.5	3/6/19	< 0.5	3/6/19	5
Chlorobenzene	< 0.5	3/6/19	< 0.5	3/6/19	100
Chloroform	< 0.5	3/6/19	< 0.5	3/6/19	80
Chloromethane	< 0.5	3/6/19	< 0.5	3/6/19	NR
cis-1, 2-Dichloroethylene	< 0.5	3/6/19	< 0.5	3/6/19	70

Analyte	Peacham Rd	Date	Airstrip	Date	MCL
cis-1, 3-Dichloropropylene	< 0.5	3/6/19	< 0.5	3/6/19	NR
Dibromochloromethane	< 0.5	3/6/19	< 0.5	3/6/19	80
Dibromomethane	< 0.5	3/6/19	< 0.5	3/6/19	NR
Dichlorodifluoromethane	< 0.5	3/6/19	< 0.5	3/6/19	NR
Diethyl ether	< 0.5	3/6/19	< 0.5	3/6/19	NR
Diisopropyl Ether (DIPE)	< 0.5	3/6/19	< 0.5	3/6/19	NR
Ethyl Tert-Butyl Ether (ETBE)	< 0.5	3/6/19	< 0.5	3/6/19	NR
Ethylbenzene	< 0.5	3/6/19	< 0.5	3/6/19	700
Hexachlorobutadiene	< 0.5	3/6/19	< 0.5	3/6/19	NR
Hexachloroethane	< 0.5	3/6/19	< 0.5	3/6/19	NR
Isopropylbenzene	< 0.5	3/6/19	< 0.5	3/6/19	NR
m&p-Xylenes	< 0.5	3/6/19	< 0.5	3/6/19	NR
Methyl-t-butyl-ether (MtBE)	< 0.5	3/6/19	< 0.5	3/6/19	13
Methylene chloride	< 0.5	3/6/19	< 0.5	3/6/19	5
Naphthalene	< 0.5	3/6/19	< 0.5	3/6/19	NR
n-Butylbenzene	< 0.5	3/6/19	< 0.5	3/6/19	NR
n-Propylbenzene	< 0.5	1/15/18	< 0.5	1/15/18	NR
o-Xylene	< 0.5	3/6/19	< 0.5	3/6/19	NR
sec Butylbenzene	< 0.5	3/6/19	< 0.5	3/6/19	NR
Styrene	< 0.5	3/6/19	< 0.5	3/6/19	100
Tert-Amyl Methyl Ether (TAME)	< 0.5	3/6/19	< 0.5	3/6/19	NR
Tert-Butyl Alcohol (TBA)	< 10	3/6/19	< 10	3/6/19	NR
Tert-Butylbenzene	< 0.5	3/6/19	< 0.5	3/6/19	NR
Tetrachloroethylene	< 0.5	3/6/19	< 0.5	3/6/19	5
Tetrahydrofuran (THF)	< 10	3/6/19	< 10	3/6/19	NR
Toluene	< 0.5	3/6/19	< 0.5	3/6/19	1000
Total THMs	< 0.5	3/6/19	< 0.5	3/6/19	80
Total Xylenes	< 0.5	3/6/19	< 0.5	3/6/19	10,000
Trans-1, 2-Dichloroethylene	< 0.5	3/6/19	< 0.5	3/6/19	100
Trans-1, 3-Dichloropropylene	< 0.5	3/6/19	< 0.5	3/6/19	NR
Trichloroethylene	< 0.5	3/6/19	< 0.5	3/6/19	5
Trichlorofluoromethane	< 0.5	3/6/19	< 0.5	3/6/19	NR
Vinyl chloride	< 0.5	3/6/19	< 0.5	3/6/19	2

**SYNTHETIC ORGANIC CONTAMINANTS (b) (Units µg/L)**

Analyte	Peacham Rd	Date	Airstrip	Date	MCL
2,4,5-TP (Silvex)	< 0.25	3/6/19	< 0.25	3/6/19	50
2,4-D	< 1	3/6/19	< 1	3/6/19	70
3-Hydroxycarbofuran	< 1	3/6/19	< 1	3/6/19	NR
Alachlor	< 0.1	3/6/19	< 0.1	3/6/19	2
Aldicarb	< 1	3/6/19	< 1	3/6/19	NR
Aldicarb Sulfone	< 1	3/6/19	< 1	3/6/19	NR
Aldicarb Sulfoxide	< 1	3/6/19	< 1	3/6/19	NR
Aldrin	< 0.1	3/6/19	< 0.1	3/6/19	NR
Atrazine	< 0.1	3/6/19	< 0.1	3/6/19	3
Benzo(a)pyrene	< 0.1	3/6/19	< 0.1	3/6/19	0.2
Butachlor	< 0.1	3/6/19	< 0.1	3/6/19	NR
Carbaryl	< 1	3/6/19	< 1	3/6/19	NR
Carbofuran	< 1	3/6/19	< 1	3/6/19	40
Chlordane	< 0.4	3/6/19	< 0.4	3/6/19	2
Dalapon	< 1	3/6/19	< 1	3/6/19	200
Di (2-ethylhexyl) adipate	< 1	3/6/19	< 1	3/6/19	400
Di (2-Ethylhexyl) phthalate	< 1	3/6/19	< 1	3/6/19	6
Dicamba	< 0.5	3/6/19	< 0.5	3/6/19	NR
Dieldrin	< 0.1	3/6/19	< 0.1	3/6/19	NR
Dinoseb	< 1	3/6/19	< 1	3/6/19	7
Diquat	< 1	3/6/2019	< 1	3/6/19	20
Endrin	< 0.1	3/6/19	< 0.1	3/6/19	2
Ethylene dibromide (EDB)	< 0.02	3/6/19	< 0.02	3/6/19	0.05
1,2-Dibromo-3-chloropropane (DBCP)	< 0.02	3/6/19	< 0.02	3/6/19	0.2

Analyte	Peacham Rd	Date	Airstrip	Date	MCL
Glyphosate	< 10	3/6/19	< 10	3/6/19	700
Heptachlor	< 0.1	3/6/19	< 0.1	3/6/19	0.4
Heptachlor Epoxide	< 0.1	3/6/19	< 0.1	3/6/19	0.2
Hexachlorobenzene	< 0.1	3/6/19	< 0.1	3/6/19	1
Hexachlorocyclopentadiene	< 0.1	3/6/19	< 0.1	3/6/19	50
Lindane	< 0.1	3/6/19	< 0.1	3/6/19	0.2
Methiocarb	< 1	3/6/19	< 1	3/6/19	7
Metolachlor	< 0.1	3/6/19	< 0.1	3/6/19	40
Methomyl	< 1	3/6/19	< 1	3/6/19	NR
Methoxychlor	< 0.1	3/6/19	< 0.1	3/6/19	40
Metribuzin	< 0.1	3/6/19	< 0.1	3/6/19	NR
Oxamyl (Vydate)	< 1	3/6/19	< 1	3/6/19	200
PCB Aroclor 1016	< 2	3/6/19	< 1	3/6/19	NR
PCB Aroclor 1221	< 2	3/6/19	< 1	3/6/19	NR
PCB Aroclor 1232	< 2	3/6/19	< 1	3/6/19	NR
PCB Aroclor 1242	< 2	3/6/19	< 1	3/6/19	NR
PCB Aroclor 1248	< 2	3/6/19	< 1	3/6/19	NR
PCB Aroclor 1254	< 2	3/6/19	< 1	3/6/19	NR
PCB Aroclor 1260	< 2	3/6/19	< 1	3/6/19	NR
Pentachlorophenol	< 0.1	3/6/19	< 0.1	3/6/19	1
Picloram	< 2	3/6/19	< 2	3/6/19	500
Propachlor	< 0.1	3/6/19	< 0.1	3/6/19	NR
Propoxur (Baygon)	< 1	3/6/19	< 1	3/6/19	NR
Simazine	< 0.1	3/6/19	< 0.1	3/6/19	4
Toxaphene	< 2	3/6/19	< 2	3/6/19	3

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**RADIOLOGICAL CONTAMINANTS (b)**

Analyte (Units)	Peacham Rd	Date	Airstrip	Date	MCL
Combined Radium (pCi/L)	< 1	1/16/17	1	1/16/17	5
Compliance Gross Alpha (pCi/L)	< 3	1/16/17	<3	1/7/20	15
Uranium (ug/L)	< 1	1/16/17	<1	1/7/20	30

**INORGANIC CONTAMINANTS (b)**

Analyte	Peacham Rd	Date	Airstrip	Date	MCL
Antimony (mg/L)	<0.001	1/7/20	<0.001	1/7/20	0.006
Arsenic (mg/L)	0.0025	4/6/20	<0.001	4/6/20	0.01
Barium (mg/L)	0.0186	1/7/20	0.0266	1/7/20	2
Beryllium (mg/L)	<0.001	1/7/20	<0.001	1/7/20	0.004
Cadmium (mg/L)	<0.001	1/7/20	<0.001	1/7/20	0.005
Chromium (mg/L)	<0.001	1/7/20	<0.001	1/7/20	0.01
Fluoride (mg/L)	0.46	1/7/20	0.82	1/7/20	4
Mercury (mg/L)	<0.0001	1/7/20	<0.0001	1/7/20	0.002
Nickel (µg/L)	< 1	1/16/17	< 1	1/16/17	100
Nitrate-N (mg/L)	< 0.2	1/7/20	< 0.2	1/7/20	10
Nitrite-N (mg/L)	< 0.2	1/7/20	< 0.2	1/15/18	1
Selenium (mg/L)	<0.001	1/7/20	<0.001	1/7/20	0.05
Thallium (mg/L)	<0.001	1/7/20	<0.001	1/7/20	0.002

**DISINFECTION BY-PRODUCTS (a)**

Analyte	Results	MCL	Date
Total Trihalomethanes (µg/L)	<0.5 - 2.2	80	2019
Haloacetic Acids (µg/L)	<1	60	2019

**Perfluorinated Chemicals (PFCs)**

Analyte (Units)	Peacham Rd	Date	Airstrip	Date	MCL
Perfluorobutanesulfonic acid (PFBS) (ng/L)	<2.00	2/11/20	<2.00	2/11/20	NR
Perfluoroheptanoic acid (PFHpA) (ng/L)	<2.00	2/11/20	<2.00	2/11/20	NR
Perfluorohexanesulfonic acid (PFHxS) (ng/L)	<2.00	2/11/20	<2.00	2/11/20	NR
Perfluorononanoic acid (PFNA) (ng/L)	<2.00	2/11/20	<2.00	2/11/20	NR
(ng/L)	<2.00	2/11/20	<2.00	2/11/20	70*
Perfluorooctanoic acid (PFOA) (ng/L)	<2.00	2/11/20	<2.00	2/11/20	

**FIRST DRAW LEAD AND COPPER (a)**

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	1	15	2018
Copper (mg/L) 90th percentile sample	0.266	1.3	2018

**SECONDARY CONTAMINANTS (b) - AESTHETIC**

Analyte	Peacham Rd	Date	Airstrip	Date	MCL
Chloride (mg/L)	14	1/7/20	7	1/7/20	250
Fluoride (mg/L)	0.42	1/16/17	0.81	1/16/17	2
Iron (mg/L)	0.010	1/7/20	<0.01	1/7/20	0.3
Manganese (mg/L)	0.0056	1/7/20	0.0155	1/7/20	0.05
pH (Units)	7.26	1/7/20	7.72	1/7/20	6.5 - 8.5
Sodium (mg/L)	17.8	1/7/20	18.6	1/7/20	100-250
Sulfate (mg/L)	24	1/7/20	16	1/7/20	250
Zinc (mg/L)	0.0058	1/7/20	0.0156	1/7/20	5

**Microbiological Contaminants (a)**

Results	MCL	Frequency
Total Coliform	Absent	≤ 1/month
E. coli	Absent	Monthly
Chlorine Residual Range (mg/L)	0.2 - 1.0	

**UNREGULATED CONTAMINANTS (b)**

Analyte (Units)	Peacham Rd	Date	Airstrip	Date
Alkalinity as CaCO <sub>3</sub> (mg/L)	76	1/7/20	70	1/7/20
Total Hardness as CaCO <sub>3</sub> (mg/L)	81.5	1/7/20	56.4	1/7/20
Calcium (mg/L)	20.1	1/7/20	14	1/7/20
Magnesium (mg/L)	7.6	1/7/20	5.2	1/7/20
Nickel (mg/L)	<0.001	1/7/20	<0.001	1/7/20
Radon Gas (pCi/L)	2,267	4/4/19	3,954	4/4/19

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\*PFOS + PFOA can not exceed 70 ng/L

**SOURCE WATER INFORMATION**

**Water Source:** Six (6) bedrock wells at the Peacham Road Pump Station and One (1) well at the Airstrip Pump Station.

**Treatment:** Arsenic removal and chlorination.

**KEY TO ABBREVIATIONS**

**AL Action Level** - The concentration of a contaminant which, if exceeded triggers treatment of or other requirements which a water system must follow.

**MCL Maximum Contaminant Level** - The highest level of a contaminant that is allowed in drinking water.

**SMCL Secondary Maximum Contaminant Level** - The highest level of a contaminant that affects the aesthetic characteristics ( taste, odor, or color) of drinking water.

**NR Not Regulated** - Contaminants test for but not regulated by the State or EPA.

(a) samples taken from the distribution system.

(b) samples taken from the distribution entry point.

mg/L milligrams per Liter or parts per million.

µg/L micrograms per Liter or parts per billion.

ng/L nanograms per Liter or parts per trillion.

pCi/L picocuries per Liter (measure of radioactivity)

N/A Not Applicable    ND not detected    BDL Below Detection Level    ≤ Less Than or Equal To    < Less Than

MRDL - Maximum Residual Disinfectant Level    RAA - Running Annual Average

**CONTACT INFORMATION**

If you have any questions about this report, or about your water quality, please call Matthew Day, Water Quality Manager, at 1-603-913-2377 or 1-800-553-5191.

Additional information about contaminants and their potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline 1-800-426-4791.