

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	1/9/12	< 0.5	1/9/12	NR
1,1,1-Trichloroethane	< 0.5	1/9/12	< 0.5	1/9/12	200
1,1,2,2-Tetrachloroethane	< 0.5	1/9/12	< 0.5	1/9/12	NR
1,1,2-Trichloroethane	< 0.5	1/9/12	< 0.5	1/9/12	5
1,1-Dichloroethane	< 0.5	1/9/12	< 0.5	1/9/12	NR
1,1-Dichloroethylene	< 0.5	1/9/12	< 0.5	1/9/12	7
1,1-Dichloropropylene	< 0.5	1/9/12	< 0.5	1/9/12	NR
1,2,3-Trichlorobenzene	< 0.5	1/9/12	< 0.5	1/9/12	NR
1,2,3-Trichloropropane	< 0.5	1/9/12	< 0.5	1/9/12	NR
1,2,4-Trichlorobenzene	< 0.5	1/9/12	< 0.5	1/9/12	70
1,2,4-Trimethylbenzene	< 0.5	1/9/12	< 0.5	1/9/12	NR
1,2-Dibromo-3-chloropropane	< 0.5	1/9/12	< 0.5	1/9/12	0.2
1,2-Dibromoethane	< 0.5	1/9/12	< 0.5	1/9/12	0.05
1,2-Dichlorobenzene	< 0.5	1/9/12	< 0.5	1/9/12	600
1,2-Dichloroethane	< 0.5	1/9/12	< 0.5	1/9/12	5
1,2-Dichloropropane	< 0.5	1/9/12	< 0.5	1/9/12	5
1,3,5-Trimethylbenzene	< 0.5	1/9/12	< 0.5	1/9/12	NR
1,3-Dichlorobenzene	< 0.5	1/9/12	< 0.5	1/9/12	NR
1,3-Dichloropropane	< 0.5	1/9/12	< 0.5	1/9/12	NR
1,4-Dichlorobenzene	< 0.5	1/9/12	< 0.5	1/9/12	75
2,2-Dichloropropane	< 0.5	1/9/12	< 0.5	1/9/12	NR
2-Butanone (MEK)	< 10	1/9/12	< 0.5	1/9/12	NR
2-Chlorotoluene	< 0.5	1/9/12	< 0.5	1/9/12	NR
2-Hexanone	< 10	1/9/12	< 10	1/9/12	NR
4-Chlorotoluene	< 0.5	1/9/12	< 0.5	1/9/12	NR
4-Isopropyltoluene	< 0.5	1/9/12	< 0.5	1/9/12	NR
4 Methyl-2-Pentanone (MIBK)	< 10	1/9/12	< 10	1/9/12	NR
Acetone	< 10	1/9/12	< 10	1/9/12	NR
Benzene	< 0.5	1/9/12	< 0.5	1/9/12	5
Bromobenzene	< 0.5	1/9/12	< 0.5	1/9/12	NR
Bromochloromethane	< 0.5	1/9/12	< 0.5	1/9/12	NR
Bromodichloromethane	< 0.5	1/9/12	< 0.5	1/9/12	80
Bromoform	< 0.5	1/9/12	< 0.5	1/9/12	80
Bromomethane	< 0.5	1/9/12	< 0.5	1/9/12	NR
Carbon Disulfide	< 0.5	1/9/12	< 0.5	1/9/12	NR
Carbon Tetrachloride	< 0.5	1/9/12	< 0.5	1/9/12	5
Chlorobenzene	< 0.5	1/9/12	< 0.5	1/9/12	100

Analyte	Peacham Rd	Date	Airstrip	Date	MCL
Chloroethane	< 0.5	1/9/12	< 0.5	1/9/12	NR
Chloroform	< 0.5	1/9/12	< 0.5	1/9/12	80
Chloromethane	< 0.5	1/9/12	< 0.5	1/9/12	NR
cis-1, 2-Dichloroethylene	< 0.5	1/9/12	< 0.5	1/9/12	70
cis-1, 3-Dichloropropylene	< 0.5	1/9/12	< 0.5	1/9/12	NR
Dibromochloromethane	< 0.5	1/9/12	< 0.5	1/9/12	80
Dibromomethane	< 0.5	1/9/12	< 0.5	1/9/12	NR
Dichlorodifluoromethane	< 0.5	1/9/12	< 0.5	1/9/12	NR
Diethyl ether	< 0.5	1/9/12	< 0.5	1/9/12	NR
Diisopropyl Ether (DIPE)	< 0.5	1/9/12	< 0.5	1/9/12	NR
Ethyl Tert-Butyl Ether (ETBE)	< 0.5	1/9/12	< 0.5	1/9/12	NR
Ethylbenzene	< 0.5	1/9/12	< 0.5	1/9/12	700
Hexachlorobutadiene	< 0.5	1/9/12	< 0.5	1/9/12	NR
Isopropylbenzene	< 0.5	1/9/12	< 0.5	1/9/12	NR
m&p-Xylenes	< 0.5	1/9/12	< 0.5	1/9/12	NR
Methyl-t-butyl-ether (MtBE)	< 0.5	1/9/12	< 0.5	1/9/12	13
Methylene chloride	< 0.5	1/9/12	< 0.5	1/9/12	5
Napthalene	< 0.5	1/9/12	< 0.5	1/9/12	NR
n-Butylbenzene	< 0.5	1/9/12	< 0.5	1/9/12	NR
Nitrobenzene	< 10	1/9/12	< 10	1/9/12	NR
n-Propylbenzene	< 0.5	1/9/12	< 0.5	1/9/12	NR
o-Xylene	< 0.5	1/9/12	< 0.5	1/9/12	NR
sec Butylbenzene	< 0.5	1/9/12	< 0.5	1/9/12	NR
Styrene	< 0.5	1/9/12	< 0.5	1/9/12	100
Tert-Amyl Methyl Ether (TAME)	< 0.5	1/9/12	< 0.5	1/9/12	NR
Tert-Butyl Alcohol (TBA)	< 10	1/9/12	< 10	1/9/12	NR
Tert-Butylbenzene	< 0.5	1/9/12	< 0.5	1/9/12	NR
Tetrachloroethylene	< 0.5	1/9/12	< 0.5	1/9/12	5
Tetrahydrofuran (THF)	< 10	1/9/12	< 10	1/9/12	NR
Toluene	< 0.5	1/9/12	< 0.5	1/9/12	1000
Total THMs	< 0.5	1/9/12	< 0.5	1/9/12	80
Total Xylenes	< 0.5	1/9/12	< 0.5	1/9/12	10,000
Trans-1, 2-Dichloroethylene	< 0.5	1/9/12	< 0.5	1/9/12	100
Trans-1, 3-Dichloropropylene	< 0.5	1/9/12	< 0.5	1/9/12	NR
Trichloroethylene	< 0.5	1/9/12	< 0.5	1/9/12	5
Trichlorofluoromethane	< 0.5	1/9/12	< 0.5	1/9/12	NR
Vinyl chloride	< 0.5	1/9/12	< 0.5	1/9/12	2

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

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

Analyte	Peacham Rd	Date	Airstrip	Date	MCL
1, 2-Dibromo-3-chloropropane (DBCP)	< 0.02	2/7/07	< 0.02	2/7/07	0.2
2,4,5-TP (Silvex)	< 0.25	2/7/07	< 0.25	2/7/07	50
2,4-D	< 1	2/7/07	< 1	2/7/07	70
3-Hydroxycarbofuran	< 1	2/7/07	< 1	2/7/07	NR
Alachlor	< 0.1	2/7/07	< 0.1	2/7/07	2
Aldicarb	< 1	2/7/07	< 1	2/7/07	NR
Aldicarb Sulfone	< 1	2/7/07	< 1	2/7/07	NR
Aldicarb Sulfoxide	< 1	2/7/07	< 1	2/7/07	NR
Aldrin	< 0.1	2/7/07	< 0.1	2/7/07	NR
Atrazine	< 0.1	2/7/07	< 0.1	2/7/07	3
Benzo(a)pyrene	< 0.1	2/7/07	< 0.1	2/7/07	0.2
Butachlor	< 0.1	2/7/07	< 0.1	2/7/07	NR
Carbaryl	< 1	2/7/07	< 1	2/7/07	NR
Carbofuran	< 1	2/7/07	< 1	2/7/07	40
Chlordane	< 0.4	2/7/07	< 0.4	2/7/07	2
Di (2-ethylhexyl) adipate	< 1	2/7/07	< 1	2/7/07	400
Di (2-Ethylhexyl) phthalate	< 1	2/7/07	< 1	2/7/07	6
Dicamba	< 0.5	2/7/07	< 0.5	2/7/07	NR
Dieldrin	< 0.1	2/7/07	< 0.1	2/7/07	NR
Dinoseb	< 1	2/7/07	< 1	2/7/07	7

Analyte	Peacham Rd	Date	Airstrip	Date	MCL
Endrin	< 0.1	2/7/07	< 0.1	2/7/07	2
Ethylene dibromide (EDB)	< 0.02	2/7/07	< 0.02	2/7/07	0.05
Glyphosate	< 10	2/7/07	< 10	2/7/07	700
Heptachlor	< 0.1	2/7/07	< 0.1	2/7/07	0.4
Heptachlor Epoxide	< 0.1	2/7/07	< 0.1	2/7/07	0.2
Hexachlorobenzene	< 0.1	2/7/07	< 0.1	2/7/07	1
Hexachlorocyclopentadiene	< 0.1	2/7/07	< 0.1	2/7/07	50
Lindane	< 0.1	2/7/07	< 0.1	2/7/07	0.2
Methiocarb	< 1	2/7/07	< 1	2/7/07	NR
Metolachlor	< 0.1	2/7/07	< 0.1	2/7/07	40
Methomyl	< 1	2/7/07	< 1	2/7/07	NR
Methoxychlor	< 0.1	2/7/07	< 0.1	2/7/07	40
Metribuzin	< 0.1	2/7/07	< 0.1	2/7/07	NR
Oxamyl (Vydate)	< 1	2/7/07	< 1	2/7/07	200
Pentachlorophenol	< 0.1	2/7/07	< 0.1	2/7/07	1
Picloram	< 0.5	2/7/07	< 0.5	2/7/07	500
Propachlor	< 0.1	2/7/07	< 0.1	2/7/07	NR
Propoxur (Baygon)	< 1	2/7/07	< 1	2/7/07	NR
Simazine	< 0.1	2/7/07	< 0.1	2/7/07	4
Toxaphene	< 2	2/7/07	< 2	2/7/07	3

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

INORGANIC CONTAMINANTS (b)

Analyte	Peacham Rd	Date	Airstrip	Date	MCL
Antimony (µg/L)	< 2	1/11/11	< 2	3/24/11	6
Arsenic (µg/L)	2	2/9/12	5	2/8/12	10
Barium (mg/L)	0.011	1/11/11	0.025	3/24/11	2
Beryllium (µg/L)	< 2	1/11/11	< 2	3/24/11	2
Cadmium (µg/L)	< 2	1/11/11	< 2	3/24/11	5
Chromium (µg/L)	< 10	1/11/11	< 10	3/24/11	100
Fluoride (mg/L)	0.49	1/11/11	0.85	3/24/11	4
Mercury (µg/L)	< 0.1	1/11/11	< 0.1	3/24/11	2
Nickel (µg/L)	< 10	1/11/11	10	3/24/11	100
Nitrate-N (mg/L)	< 0.2	1/9/12	< 0.2	1/9/12	10
Nitrite-N (mg/L)	< 0.2	1/9/12	< 0.2	1/9/12	1
Selenium (µg/L)	< 5	1/11/11	< 5	3/24/11	50
Thallium (µg/L)	< 1	1/11/11	< 1	3/24/11	2

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	< 5	15	2009
Copper (mg/L) 90th percentile sample	0.396	1.3	2009

Microbiological Contaminants (a)

	Results	MCL
Total Coliform	Absent	≤1/month
E. coli	Absent	Absent
Chlorine Disinfection (a)	RAA	MRDL
Chlorine Residual (mg/L)	0.46	4

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Peacham Rd	Date	Airstrip	Date	MCL
Chloride (mg/L)	9	1/11/11	5	3/24/11	250
Fluoride (mg/L)	0.49	1/11/11	0.85	3/24/11	2
Iron (mg/L)	<0.01	11/1/11	<0.01	11/1/11	0.3
Manganese (mg/L)	<0.01	11/1/11	0.068	11/1/11	0.05
pH (Units)	7.22	1/11/11	7.77	3/24/11	6.5 – 8.5
Sodium (mg/L)	14.7	2/20/08	18.1	2/20/08	100-250
Sulfate (mg/L)	23	1/11/11	16	3/24/11	250
Zinc (mg/L)	0.016	1/11/11	0.029	3/24/11	5

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Peacham Rd	Date	Airstrip	Date	MCL
Combined Radium (pCi/L)	0.5	2/9/09	1.1	3/24/11	5
Compliance Gross Alpha (pCi/L)	2.3	2/9/09	1.1	3/24/11	15
Uranium (ug/L)	1	2/9/09	0.1	3/24/11	30

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Peacham Rd	Date	Airstrip	Date
Total Hardness as CaCO3 (mg/L)	70	11/1/11	53.8	11/1/11
Calcium (mg/L)	17	11/1/11	13.3	11/1/11
Magnesium (mg/L)	6.7	11/1/11	5	11/1/11
Radon Gas (pCi/L)	2,110	2/7/07	4,730	2/7/07

DISINFECTION BY-PRODUCTS (a)

Total Trihalomethanes (µg/L)	1.1	80	07/12/11
Haloacetic Acids (µg/L)	<1	60	07/12/11

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

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.

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 Gary Tetley, Water Quality Manager, at 1-603-913-2378 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.