

PENNICHUCK WATER WORKS
WATER QUALITY REPORT
SUNRISE ESTATES
EPA # 1542030

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

Analyte	Result	MCL	Date
1,1,1,2-Tetrachloroethane	< 0.5	NR	11/1/11
1,1,1-Trichloroethane	< 0.5	200	11/1/11
1,1,2,2-Tetrachloroethane	< 0.5	NR	11/1/11
1,1,2-Trichloroethane	< 0.5	5	11/1/11
1,1-Dichloroethane	< 0.5	NR	11/1/11
1,1-Dichloroethane	< 0.5	7	11/1/11
1,1-Dichloropropylene	< 0.5	NR	11/1/11
1,2,3-Trichlorobenzene	< 0.5	NR	11/1/11
1,2,3-Trichloropropane	< 0.5	NR	11/1/11
1,2,4-Trichlorobenzene	< 0.5	70	11/1/11
1,2,4-Trimethylbenzene	< 0.5	NR	11/1/11
1,2-Dibromo - 3- chloropropane	< 0.5	0.2	11/1/11
1,2-Dibromoethane	< 0.5	NR	11/1/11
1,2-Dichlorobenzene	< 0.5	600	11/1/11
1,2-Dichloroethane	< 0.5	5	11/1/11
1,2-Dichloropropane	< 0.5	5	11/1/11
1,3,5-Trimethylbenzene	< 0.5	NR	11/1/11
1,3-Dichlorobenzene	< 0.5	NR	11/1/11
1,3-Dichloropropane	< 0.5	NR	11/1/11
1,4-Dichlorobenzene	< 0.5	75	11/1/11
2,2-Dichloropropane	< 0.5	NR	11/1/11
2-Hexanone	< 0.5	NR	11/1/11
4 Methyl-2-Pentanone (MIBK)	< 0.5	NR	11/1/11
4-Isopropyltoluene	< 0.5	NR	11/1/11
Acetone	< 0.5	NR	11/1/11
Benzene	< 0.5	5	11/1/11
Bromobenzene	< 0.5	NR	11/1/11
Bromochloromethane	< 0.5	NR	11/1/11
Bromodichloromethane	< 0.5	80	11/1/11
Bromoform	< 0.5	80	11/1/11
Bromomethane	< 0.5	NR	11/1/11
Carbon Disulfide	< 0.5	NR	11/1/11
Chlorobenzene	< 0.5	100	11/1/11
Chloroethane	< 0.5	NR	11/1/11
Chloroform	< 0.5	80	11/1/11
Chloromethane	< 0.5	NR	11/1/11

Analyte	Result	MCL	Date
cis-1, 2-Dichloroethylene	< 0.5	70	11/1/11
cis-1, 3-Dichloropropylene	< 0.5	NR	11/1/11
Dibromochloromethane	< 0.5	80	11/1/11
Dibromomethane	< 0.5	NR	11/1/11
Dichlorodifluoromethane	< 0.5	NR	11/1/11
Diisopropyl Ether (DIPE)	< 0.5	NR	11/1/11
Ethyl Tert-Butyl Ether (ETBE)	< 0.5	NR	11/1/11
Ethylbenzene	< 0.5	700	11/1/11
Hexachlorobutadiene	< 0.5	NR	11/1/11
Isopropylbenzene	< 0.5	NR	11/1/11
m/p - Xylenes	< 0.5	NR	11/1/11
Methyl ethyl ketone (MEK) 2-Butanone	< 0.5	NR	11/1/11
Methylene chloride	< 0.5	5	11/1/11
Methyl-t-butyl-ether (MtBE)	< 0.5	13	11/1/11
Napthalene	< 0.5	NR	11/1/11
n-Butylbenzene	< 0.5	NR	11/1/11
Nitrobenzene	< 0.5	NR	11/1/11
n-Propylbenzene	< 0.5	NR	11/1/11
o-Chlorotoluene	< 0.5	NR	11/1/11
o-Xylene	< 0.5	NR	11/1/11
p-Chlorotoluene	< 0.5	NR	11/1/11
sec Butylbenzene	< 0.5	NR	11/1/11
Styrene	< 0.5	100	11/1/11
Tert-Amyl Methyl Ether (TAME)	< 0.5	NR	11/1/11
Tert-Butyl Alcohol (TBA)	< 0.5	NR	11/1/11
Tert-Butylbenzene	< 0.5	NR	11/1/11
Tetrachloroethylene	< 0.5	5	11/1/11
Tetrachloromethane	< 0.5	NR	11/1/11
Tetrahydrofuran	< 0.5	NR	11/1/11
Toluene	< 0.5	1000	11/1/11
Total Xylenes	< 0.5	10,000	11/1/11
Trans-1, 2-Dichloroethylene	< 0.5	100	11/1/11
Trans-1, 3-Dichloropropylene	< 0.5	NR	11/1/11
Trichloroethylene	< 0.5	5	11/1/11
Trichlorofluoromethane	< 0.5	NR	11/1/11
Vinyl chloride	< 0.5	2	11/1/11

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

2,4,5-TP (Silvex)	BDL	50	11/1/11
2,4-D	BDL	70	11/1/11
3-Hydroxycarbofuran	BDL	NR	11/1/11
Alachlor	BDL	2	11/1/11
Aldicarb	BDL	NR	11/1/11
Aldicarb Sulfone	BDL	NR	11/1/11
Aldicarb Sulfoxide	BDL	NR	11/1/11
Aldrin	BDL	NR	11/1/11
Atrazine	BDL	3	11/1/11
Benzo (A) pyrene	BDL	NR	11/1/11
Butachlor	BDL	NR	11/1/11
Carbaryl	BDL	NR	11/1/11
Carbofuran	BDL	40	11/1/11
Chlordane	BDL	2	11/1/11
Di (2-ethylhexyl) adipate	BDL	NR	11/1/11
Di (2-Ethylhexyl) phthalate	BDL	6	11/1/11
Dibromochloropropane (DBCP)	BDL	NR	11/1/11
Dicamba	BDL	NR	11/1/11
Dieldrin	BDL	NR	11/1/11

Dinoseb	BDL	7	11/1/11
Endrin	BDL	2	11/1/11
Ethylene dibromide (EDB)	BDL	0.05	11/1/11
Fluorene	BDL	NR	11/1/11
Glyphosate	BDL	700	11/1/11
Heptachlor	BDL	0.4	11/1/11
Heptachlor Epoxide	BDL	0.2	11/1/11
Hexachlorobenzene	BDL	1	11/1/11
Hexachlorocyclopentadiene	BDL	50	11/1/11
Lindane	BDL	0.2	11/1/11
Metholachlor	BDL	NR	11/1/11
Methomyl	BDL	NR	11/1/11
Methoxychlor	BDL	40	11/1/11
Metribuzin	BDL	NR	11/1/11
Oxamyl (Vydate)	BDL	200	11/1/11
Pentachlorophenol	BDL	1	11/1/11
Picloram	BDL	500	11/1/11
Propachlor	BDL	NR	11/1/11
Simazine	BDL	4	11/1/11
Toxaphene	BDL	3	11/1/11

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INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (µg/L)	<2	6	11/22/10
Arsenic (µg/L)	<2	10	11/22/10
Barium (mg/L)	<0.01	2	11/22/10
Beryllium (µg/L)	< 2	4	11/22/10
Cadmium (µg/L)	<2	5	11/22/10
Chromium (µg/L)	<10	100	11/22/10
Cyanide (µg/L)	<20	200	11/22/10
Fluoride (mg/L)	0.7	4	11/22/10
Mercury (µg/L)	<0.1	2	11/22/10
Nickel (µg/L)	<10	100	11/22/10
Nitrate-N (mg/L)	< 0.2	10	11/28/11
Nitrite-N (mg/L)	< 0.2	1	11/22/10
Selenium (µg/L)	< 5	50	11/22/10
Thallium (µg/L)	< 1	2	11/22/10

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	3	250	11/22/10
Fluoride (mg/L)	0.7	2	11/22/10
Iron (mg/L)	0.019	0.3	1/9/12
Manganese (mg/L)	0.035	0.05	1/9/12
pH (Units)	8.1	6.5 – 8.5	11/22/10
Silver (µg/L)	<4	100	11/22/10
Sodium (mg/L)	9.7	100-250	11/22/10
Sulfate (mg/L)	10	250	11/22/10
Zinc (mg/L)	0.04	5	11/22/10

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	0.041	1.3	2009

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL	Date
Adjusted Gross Alpha (pCi/L)	2	15	12/23/03
Radon Gas (pCi/L)	1,090	None	2/11/08
Uranium (ug/L)	< 1	30	12/23/03
Radium 226 (pCi/L)	0.4	5	4/9/07
Radium 228 (pCi/L)	0.7	5	4/9/07

Microbiological Contaminants (a)	Results	MCL	Frequency
Total Coliform	Absent	≤1/month	Jan Apr Jul Oct
E. coli	Absent	Absent	Jan Apr Jul Oct

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO ₃ (mg/L)	51.4-71.5	11/22/10
Specific Conductance (umhos/cm ²)	153-177	10/11/07
Total Hardness as CaCO ₃ (mg/L)	61.4	1/9/12
Calcium (mg/L)	18.8	1/9/12
Copper (mg/L)	<10	11/22/10
Magnesium (mg/L)	3.5	1/9/12

SOURCE WATER AND TREATMENT INFORMATION

Water Source: Three bedrock wells.

No Treatment

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) 1 sample is taken from the distribution system every month

(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

If you have any questions about this report, or about your water quality, please call 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.