

Drinking-Water Systems Regulation O. Reg. 170/03

Annual Report

Drinking Water System Number: 260041119
Drinking Water System Name: Camp Kodiak (Lower System) Water Treatment Plant
Drinking Water System Owner: David Stoch Realty Holdings, Inc.
Drinking Water System Category: Small Non-Municipal Non-Residential System
Period Being Reported: April 1, 2019 to March 31, 2020

Number of Designated Facilities Served: 1
Did you provide a copy of your annual report to all Designated Facilities you serve? Yes
Number of Interested Authorities you report to: 0
Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? N/A

List all Drinking Water Systems (if any), which receive all of their drinking water from your system:
N/A

Indicate how you notified system users that your annual report is available, and is free of charge:
Public access/notice via the web

Describe your Drinking Water System:

David Stoch Realty Holdings, Inc. operates two water treatment plants that serve Camp Kodiak. This lower system serves approximately 144 people living in 6 buildings. It uses ground water from Squaw Lake (Moffat Lake) in McKellar, Ontario, treated with multi-media (sand) filtration, tannin removal, cartridge filtration, UV primary disinfection, chloride secondary disinfection, with a storage reservoir and pump to distribution.

List all water treatment chemicals used over this reporting period:

Chlorine

Were any significant expenses incurred to:

Install required equipment? Yes
Repair required equipment: No
Replace required equipment: Yes

Please provide a brief description and a breakdown of monetary expenses incurred. (for this system and system #260041132)

Set up: \$675.00
Parts (including sleeves, UV bulbs, filters): \$2503.00
Replacement of tannin: \$2203.50

Repair of leaks: \$209.05

Replacement of Platinum Iron Slayer, float, and housings: \$4631.55

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking Water Act or section 16-4 of Schedule 16 of O.Reg.170/-3 and reported to Spills Action Centre.

Salinoid switch failed, leading to a boil water advisory on July 21, 2017. Repairs were made on July 23, 2017. System was retested on July 24 and 25 with good results. Engineer came to inspect system and make recommendations on July 30, 2017. He recommended we get a 1 micron nominal DGD filter, which took several weeks to locate. The boil water advisory was rescinded on August 16, 2017.

No further problems were reported to the Spills Action Centre since 2017.

Microbiological testing done under the Schedule 10, 11, or 12 of Regulation 170/03, during this reporting period.

	# of Samples	Range of E.Coli or Fecal Results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	1	NDOGT	NDOGT	0	-
Treated	3	0-0	0-0	1	0-0
Distribution	3	0-0	0-0	1	0-0

Operational testing done under Schedule 7, 8, or 9 of Regulation 170/03 during the period covered by the annual report.

	# of Grab Samples	Range of Results
Turbidity	64	0.31-0.95
Chlorine	64	0.38->2.20
Fluoride	0	n/a

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument.

n/a

Summary of Inorganic parameters tested during the reporting period or the most recent sample results.

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Lead	2017-Aug-23	<0.001	mg/L	
Nitrite	2019-Jul-23	<MDL	mg/L	
Nitrate	2019-Jul-23	<MDL	mg/L	

Results of Schedule 23/24 Dated 2017-Aug-29

Inorganic Parameters

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2017-Aug-29	<0.0005	mg/L	
Arsenic	2017-Aug-29	<0.001	mg/L	
Barium	2017-Aug-29	<0.01	mg/L	
Boron	2017-Aug-29	<0.01	mg/L	
Cadmium	2017-Aug-29	<0.0001	mg/L	
Chromium	2017-Aug-29	<0.001	mg/L	
Mercury	2017-Aug-29	<0.0001	mg/L	
Selenium	2017-Aug-29	<0.001	mg/L	
Sodium	2017-Aug-29	<2	mg/L	
Uranium	2017-Aug-29	<0.001	mg/L	
Fluoride	2017-Aug-29	<RDL	mg/L	

Organic Parameters

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2017-Aug-29	0.0005	mg/L	
Atrazine + N-dealkylated metabolites	2017-Aug-29	<1.0	mg/L	
Azinphox-methyl	2017-Aug-29	<0.002	mg/L	
Benzene	2017-Aug-29	<0.0005	mg/L	
Benzo(a)pyrene	2017-Aug-29	<0.0001	mg/L	
Bromoxynil	2017-Aug-29	<0.0005	mg/L	
Carbaryl	2017-Aug-29	<0.005	mg/L	
Carbofuran	2017-Aug-29	<0.005	mg/L	
Carbon Tetrachloride	2017-Aug-29	<0.0002	mg/L	
Chlorpyrifos	2017-Aug-29	<0.001	mg/L	
Diazinon	2017-Aug-29	<0.001	mg/L	
Dicamba	2017-Aug-29	<0.001	mg/L	
1,2-Dichlorobenzene	2017-Aug-29	<0.0004	mg/L	
1,4-Dichlorobenzene	2017-Aug-29	<0.0004	mg/L	
1,2-Dichloroethane	2017-Aug-29	<0.0002	mg/L	
1,1-Dichloroethylene (vinylidene chloride)	2017-Aug-29	<0.0005	mg/L	
Dichloromethane	2017-Aug-29	<0.004	mg/L	
2-4 Dichlorophenol	2017-Aug-29	<0.0005	mg/L	
2,4-Dichlorophenoxy acetic acid (2,4-D)	2017-Aug-29	<0.001	mg/L	
Diclofop-methyl	2017-Aug-29	<0.0009	mg/L	
Dimethoate	2017-Aug-29	<0.0025	mg/L	
Diquat	2017-Aug-29	<0.005	mg/L	
Diuron	2017-Aug-29	<0.01	mg/L	
Glyphosate	2017-Aug-29	<0.01	mg/L	
Malathion	2017-Aug-29	<0.005	mg/L	

Metolachlor	2017-Aug-29	<0.001	mg/L	
Metribuzin	2017-Aug-29	<0.005	mg/L	
Monochlorobenzene	2017-Aug-29	<0.0002	mg/L	
Paraquat	2017-Aug-29	<0.001	mg/L	
Pentachlorophenol	2017-Aug-29	<0.0005	mg/L	
Phorate	2017-Aug-29	<0.0005	mg/L	
Picloram	2017-Aug-29	<0.005	mg/L	
Polychloriated Biphenyls (PCB)	2017-Aug-29	<0.0001	mg/L	
Prometryne	2017-Aug-29	<0.00025	mg/L	
Simazine	2017-Aug-29	<0.001	mg/L	
Terbuphos	2017-Aug-29	<0.0004	mg/L	
Tetrachloroethylene	2017-Aug-29	<0.0003	mg/L	
2,3,4,6-Tetrachlorophenol	2017-Aug-29	<0.0005	mg/L	
Triallate	2017-Aug-29	<0.001	mg/L	
Trichloroethylene	2017-Aug-29	<0.0003	mg/L	
2,4,6-Trichlorophenol	2017-Aug-29	<0.0005	mg/L	
Trifluralin	2017-Aug-29	<0.001	mg/L	
Vinyl Chloride	2017-Aug-29	<0.0002	mg/L	
2 Methyl-4-chlorophenoxyacetic acid (MCPA)	2017-Aug-29	<0.01	mg/L	

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

n/a

Drinking-Water Systems Regulation O. Reg. 170/03

Annual Report

Drinking Water System Number: 260041132
Drinking Water System Name: Camp Kodiak (Upper System) Water Treatment Plant
Drinking Water System Owner: David Stoch Realty Holdings, Inc.
Drinking Water System Category: Small Non-Municipal Non-Residential System
Period Being Reported: April 1, 2019 to March 31, 2020

Number of Designated Facilities Served: 1
Did you provide a copy of your annual report to all Designated Facilities you serve? Yes
Number of Interested Authorities you report to: 0
Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? N/A

List all Drinking Water Systems (if any), which receive all of their drinking water from your system:
N/A

Indicate how you notified system users that your annual report is available, and is free of charge:
Public access/notice via the web

Describe your Drinking Water System:

David Stoch Realty Holdings, Inc. operates two water treatment plants that serve Camp Kodiak. This upper system serves approximately 144 people living in 6 buildings. It uses ground water from Squaw Lake (Moffat Lake) in McKellar, Ontario, treated with multi-media (sand) filtration, tannin removal, cartridge filtration, UV primary disinfection, chloride secondary disinfection, with a storage reservoir and pump to distribution.

List all water treatment chemicals used over this reporting period:

Chlorine

Were any significant expenses incurred to:

Install required equipment? No
Repair required equipment: Yes
Replace required equipment: Yes

Please provide a brief description and a breakdown of monetary expenses incurred. (for this system and system #260041132)

Set up: \$675.00
Parts (including sleeves, UV bulbs, filters): \$2503.00
Replacement of tannin: \$2203.50
Repair of leaks: \$209.05

Replacement of Platinum Iron Slayer, float, and housings: \$4631.55

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking Water Act or section 16-4 of Schedule 16 of O.Reg.170/-3 and reported to Spills Action Centre.

Solenoid switch failed, leading to a boil water advisory on July 21, 2017. Repairs were made on July 23, 2017. System was retested on July 24 and 25 with good results. Engineer came to inspect system and make recommendations on July 30, 2017. He recommended we get a 1 micron nominal DGD filter, which took several weeks to locate. The boil water advisory was rescinded on August 16, 2017.

No further problems since 2017.

Microbiological testing done under the Schedule 10, 11, or 12 of Regulation 170/03, during this reporting period.

	# of Samples	Range of E.Coli or Fecal Results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	3	NDOGT	NDOGT	0	-
Treated	3	0-0	0-0	2	0-22
Distribution	3	0-0	0-0	2	0-48

Operational testing done under Schedule 7, 8, or 9 of Regulation 170/03 during the period covered by the annual report.

	# of Grab Samples	Range of Results
Turbidity	64	0.39-0.96
Chlorine	65	0.49-2.11
Fluoride	0	

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order, or other legal instrument.

n/a

Summary of Inorganic parameters tested during the reporting period or the most recent sample results.

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Lead	2017-Aug-21	0.002	mg/L	
Nitrite	2019-Jul-23	<MDL	mg/L	
Nitrate	2019-Jul-23	<MDL	mg/L	

Results of Schedule 23/24 Dated 2017-Aug-29

Inorganic Parameters

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2017-Aug-29	<0.0005	mg/L	
Arsenic	2017-Aug-29	<0.001	mg/L	
Barium	2017-Aug-29	<0.01	mg/L	

Boron	2017-Aug-29	<0.01	mg/L	
Cadmium	2017-Aug-29	<0.0001	mg/L	
Chromium	2017-Aug-29	<0.001	mg/L	
Mercury	2017-Aug-29	<0.0001	mg/L	
Selenium	2017-Aug-29	<0.001	mg/L	
Sodium	2017-Aug-29	2	mg/L	
Uranium	2017-Aug-29	<0.001	mg/L	
Fluoride	2017-Aug-29	<RDL	mg/L	

Organic Parameters

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2017-Aug-29	<0.0005	mg/L	
Atrazine + N-dealkylated metabolites	2017-Aug-29	<0.0002	mg/L	
Azinphox-methyl	2017-Aug-29	<0.002	mg/L	
Benzene	2017-Aug-29	<0.0005	mg/L	
Benzo(a)pyrene	2017-Aug-29	<0.00001	mg/L	
Bromoxynil	2017-Aug-29	<0.0005	mg/L	
Carbaryl	2017-Aug-29	<0.005	mg/L	
Carbofuran	2017-Aug-29	<0.005	mg/L	
Carbon Tetrachloride	2017-Aug-29	<0.0002	mg/L	
Chlorpyrifos	2017-Aug-29	<0.001	mg/L	
Diazinon	2017-Aug-29	<0.001	mg/L	
Dicamba	2017-Aug-29	<0.001	mg/L	
1,2-Dichlorobenzene	2017-Aug-29	<0.0004	mg/L	
1,4-Dichlorobenzene	2017-Aug-29	<0.0004	mg/L	
1,2-Dichloroethane	2017-Aug-29	<0.0002	mg/L	
1,1-Dichloroethylene (vinylidene chloride)	2017-Aug-29	<0.0005	mg/L	
Dichloromethane	2017-Aug-29	<0.004	mg/L	
2-4 Dichlorophenol	2017-Aug-29	<0.0005	mg/L	
2,4-Dichlorophenoxy acetic acid (2,4-D)	2017-Aug-29	<0.001	mg/L	
Diclofop-methyl	2017-Aug-29	<0.0009	mg/L	
Dimethoate	2017-Aug-29	<0.0025	mg/L	
Diquat	2017-Aug-29	<5	mcg/L	
Diuron	2017-Aug-29	<0.01	mg/L	
Glyphosate	2017-Aug-29	<0.01	mg/L	
Malathion	2017-Aug-29	<0.005	mg/L	
Metolachlor	2017-Aug-29	<0.001	mg/L	
Metribuzin	2017-Aug-29	<0.005	mg/L	
Monochlorobenzene	2017-Aug-29	<0.0002	mg/L	
Paraquat	2017-Aug-29	<0.001	mg/L	
Pentachlorophenol	2017-Aug-29	<0.0005	mg/L	
Phorate	2017-Aug-29	<0.0005	mg/L	

Picloram	2017-Aug-29	<0.005	mg/L	
Polychloriated Biphenyls (PCB)	2017-Aug-29	<0.0001	mg/L	
Prometryne	2017-Aug-29	<0.00025	mg/L	
Simazine	2017-Aug-29	<0.001	mg/L	
Terbuphos	2017-Aug-29	<0.0004	mg/L	
Tetrachloroethylene	2017-Aug-29	<0.0003	mg/L	
2,3,4,6-Tetrachlorophenol	2017-Aug-29	<0.0005	mg/L	
Triallate	2017-Aug-29	<0.001	mg/L	
Trichloroethylene	2017-Aug-29	<0.0003	mg/L	
2,4,6-Trichlorophenol	2017-Aug-29	<0.0005	mg/L	
Trifluralin	2017-Aug-29	<0.001	mg/L	
Vinyl Chloride	2017-Aug-29	<0.0002	mg/L	
2 Methyl-4-chlorophenoxyacetic acid (MCPA)	2017-Aug-29	<0.00001	mg/L	

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

n/a