

DRINKING WATER SYSTEM ANNUAL REPORT

Reporting Period: January 1st to December 31st, (year)

Water System

Water System Owner

Primary Contact Name (Operator or Manager)

Phone Number (Operator or Manager)

E-mail (Operator or Manager)

DESCRIBE YOUR WATER SUPPLY SYSTEM

What is the Source(s) of Raw Water?

☐ Deep Well ☐ Shallow Well ☐ Surface Water ☐ Other

If other, specify details:

Does the Drinking Water System have Primary Disinfection?

☐ Yes ☐ No

☐ Chlorination ☐ Ultraviolet Light ☐ Ozone ☐ Other

If other, specify details:

Does the Drinking Water System have Secondary Disinfection?

☐ Yes ☐ No

☐ Chlorination ☐ Other

If other, specify details:

Does the Drinking Water System have Filtration?

☐ Yes ☐ No

Check all boxes that apply

☐ Cartridge Filter(s) ☐ Carbon Filter ☐ Sand Filtration ☐ Reverse Osmosis ☐ Other

If other, specify details:

PUBLIC REPORTING

Emergency Response & Contingency Plan (ERCP)

Is your ERCP up to Date? ☐ Yes ☐ No

How do you Inform the System Users of the ERCP?

☐ Hand Delivered ☐ Bulletin Board ☐ Newspaper ☐ Utility Bill Insert ☐ Website

☐ Other (specify details) CVRD Engineering Services, 175 Ingram Street, Duncan, BC

Drinking Water System Annual Report

How do you Inform the System Users of the Annual Report?

☐ Hand Delivered ☐ Bulletin Board ☐ Newspaper ☐ Utility Bill Insert ☐ Website

☐ Other (specify details)

COMPLIANCE WITH OPERATING PERMIT

List the conditions of your Operating Permit (Contact the DWO for a copy if needed):

Are you in compliance with your Operating Permit?

☐ Yes

☐ No

BACTERIOLOGICAL TESTING AND DRINKING WATER PROTECTION REGULATION WATER QUALITY STANDARDS

How many bacteriological samples were collected during this reporting period?

What is the minimum required sampling frequency for this system? (#samples/month)

Additional sampling details:

Was the minimum required sampling frequency achieved?

☐ Yes

☐ No

Comments:

Bacteriological summary attached to this report?

☐ Yes

☐ No

If no, how do the users of the system view the results?

WATER QUALITY STANDARDS FOR POTABLE WATER

Parameter:	Standard:	Did this system meet standard?	
Escherichia coli (for all samples)	No detectable <i>Escherichia coli</i> per 100ml	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Total Coliform Bacteria (if only 1 sample collected in a 30 day period)	No detectable total coliform bacteria per 100ml	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Total Coliform Bacteria (if more than 1 sample collected in a 30 day period)	No more than 10% of samples contain total coliform bacteria, and No sample has more than 10 total coliform bacteria per 100ml	<input type="checkbox"/> Yes	<input type="checkbox"/> No

If the system did not meet any of above Drinking Water Protection Regulation standards, record the results in the table below; attach additional sheets if necessary.

Date	TC/100ml	E.coli/100ml	Reason	Corrective Action

CHEMICAL SAMPLING COMPLETED DURING THIS REPORTING PERIOD

Was any chemical sampling conducted during reporting period? ☐ Yes ☐ No

If no, when were the last chemical samples conducted for this system? (date) ☐ Don't know

If yes, attach a list of the chemical results

If any water samples did not meet the Guidelines for Canadian Drinking Water Quality, record the results in the table below; attach additional sheets if necessary.

Next scheduled full chemical test (date)

Parameter	Result	○ Corrective Action / Treatment / Comments

ADDITIONAL TESTING

Does the system have analyzers for continuous monitoring? ☐ Yes ☐ No

If yes, check all boxes that apply:

☐ Chlorine ☐ Turbidity ☐ Other (details)

Are the results available on request?

If any additional testing or sampling was conducted, record results in the table below; attach additional sheets if necessary.

Additional Testing & Reason for Sampling	Corrective Action Taken

WATER QUALITY COMPLAINTS

Were there any water quality complaints in this reporting period? (e.g. taste, odour, colour etc.) ☐ Yes ☐ No

If yes, complete the table below; attach additional sheets if necessary.

Date	Water Quality Complaint	Corrective Action / Treatment

OPERATIONAL PROBLEMS

Were there any operational problems during this reporting period? (e.g. insufficient water supply, malfunction of disinfection equipment, line breaks, elevated turbidity etc.).

☐ Yes

☐ No

If yes, complete the table below; attach additional sheets if necessary.

Incident Date	Type of Operational Problem	Corrective Action Taken

MAJOR UPGRADES/REPAIRS & EXPENSES

Were there any major upgrades/repairs or any major costs incurred during this reporting period?

☐ Yes

☐ No

If yes, complete the table below; attach additional sheets if necessary.

Major Upgrades/Expenses	Details
Improvements required by DWO	
Additions/changes to system	
Purchase or install new equipment	
Equipment repair or replacement	
Annual maintenance of system	
Specialist report	
Other	

FUTURE IMPROVEMENTS

Are there any plans for future improvements?

☐ Yes

☐ No

If yes, complete the table below; attach additional sheets if necessary.

Future Upgrades or Improvements	Estimated Date of Completion

Click here to enter a date.

DATE COMPLETED:

COMPLETED BY:



BURNUM WATER SYSTEM

Facility Location:

Burnum Road
Cobble Hill

Facility Information:

Facility Type: 15-300 (DWC)

Facility Sampling History:

Location	Date	Total Coliform	E.Coli
S-1 1866 Burnham Road, S-1 1866 Burnham Road	18-Dec-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	11-Dec-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	4-Dec-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	26-Nov-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	20-Nov-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	13-Nov-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	6-Nov-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	29-Oct-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	22-Oct-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	16-Oct-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	10-Oct-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	2-Oct-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	25-Sep-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	18-Sep-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	11-Sep-2018	L1	L1



S-2 1785 Empress Road, S-2 1785 Empress Road	11-Sep-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	5-Sep-2018	71	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	28-Aug-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	21-Aug-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	14-Aug-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	8-Aug-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	23-Jul-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	16-Jul-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	9-Jul-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	3-Jul-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	27-Jun-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	18-Jun-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	12-Jun-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	4-Jun-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	23-May-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	14-May-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	7-May-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	30-Apr-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	24-Apr-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	16-Apr-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	10-Apr-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	3-Apr-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	27-Mar-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	19-Mar-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	13-Mar-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	5-Mar-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	26-Feb-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	19-Feb-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	13-Feb-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	5-Feb-2018	L1	L1



S-2 1785 Empress Road, S-2 1785 Empress Road	22-Jan-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	8-Jan-2018	L1	L1
S-2 1785 Empress Road, S-2 1785 Empress Road	8-Jan-2018	L1	L1
S-1 1866 Burnham Road, S-1 1866 Burnham Road	2-Jan-2018	L1	L1

INORGANIC

Aluminum (total)		Sampling Point Name
06/11/2018 00:00	0.014 mg/L	S1-1866 Burnham Rd
Ammonia (total, as N)		Sampling Point Name
06/11/2018 00:00	< 0.0050 mg/L	S1-1866 Burnham Rd
Antimony (total)		Sampling Point Name
06/11/2018 00:00	< 0.00050 mg/L	S1-1866 Burnham Rd
Arsenic (total)		Sampling Point Name
01/25/2018 02:00	0.00973 mg/L	S2-1785 Empress Rd
01/25/2018 02:10	0.00013 mg/L	Well 3
* 01/25/2018 02:10	0.0165 mg/L	Post treatment well 3
* 02/15/2018 11:50	0.0208 mg/L	Well 3
02/15/2018 11:50	< 0.00010 mg/L	Post treatment well 3
02/22/2018 10:30	0.00515 mg/L	S1-1866 Burnham Rd
02/22/2018 10:40	< 0.00010 mg/L	Post treatment well 3
04/12/2018 12:00	0.00469 mg/L	S2-1785 Empress Rd
* 04/12/2018 12:10	0.0179 mg/L	Well 3
04/12/2018 12:12	< 0.00010 mg/L	Post treatment well 3
04/19/2018 11:30	0.00332 mg/L	S2-1785 Empress Rd
* 04/19/2018 11:40	0.0190 mg/L	Well 3
04/19/2018 11:40	0.00021 mg/L	Post treatment well 3
05/03/2018 12:40	0.00010 mg/L	Post treatment well 3
* 05/03/2018 12:40	0.0208 mg/L	Well 3
05/24/2018 11:15	0.00817 mg/L	S1-1866 Burnham Rd
05/24/2018 11:20	< 0.00010 mg/L	Post treatment well 3
06/07/2018 11:00	0.00513 mg/L	Well 3
06/07/2018 11:00	0.00012 mg/L	Post treatment well 3
06/07/2018 11:00	0.00773 mg/L	S1-1866 Burnham Rd
06/11/2018 00:00	0.00491 mg/L	S1-1866 Burnham Rd
06/21/2018 10:50	0.00016 mg/L	Post treatment well 3
06/21/2018 11:00	0.00340 mg/L	S1-1866 Burnham Rd
08/02/2018 14:20	0.00349 mg/L	S1-1866 Burnham Rd
08/02/2018 14:25	0.00050 mg/L	Post treatment well 3
11/29/2018 12:00	0.00442 mg/L	S2-1785 Empress Rd

Arsenic (total)		Sampling Point Name
* 11/29/2018	0.0211 mg/L	Post treatment well 3
12:00		
12/18/2018 11:30	0.00027 mg/L	S1-1866 Burnham Rd
Barium (total)		Sampling Point Name
06/11/2018 00:00	0.013 mg/L	S1-1866 Burnham Rd
Beryllium (total)		Sampling Point Name
06/11/2018 00:00	< 0.0050 mg/L	S1-1866 Burnham Rd
Bismuth (total)		Sampling Point Name
06/11/2018 00:00	< 0.20 mg/L	S1-1866 Burnham Rd
Boron (total)		Sampling Point Name
06/11/2018 00:00	0.81 mg/L	S1-1866 Burnham Rd
Cadmium (total)		Sampling Point Name
06/11/2018 00:00	< 0.00020 mg/L	S1-1866 Burnham Rd
Calcium (total)		Sampling Point Name
06/11/2018 00:00	29.1 mg/L	S1-1866 Burnham Rd
Chloride		Sampling Point Name
06/11/2018 00:00	9.09 mg/L	S1-1866 Burnham Rd
Chromium (total)		Sampling Point Name
06/11/2018 00:00	< 0.0020 mg/L	S1-1866 Burnham Rd
Cobalt (total)		Sampling Point Name
06/11/2018 00:00	< 0.010 mg/L	S1-1866 Burnham Rd
Copper (total)		Sampling Point Name
06/11/2018 00:00	0.0229 mg/L	S1-1866 Burnham Rd
Fluoride		Sampling Point Name
06/11/2018 00:00	0.164 mg/L	S1-1866 Burnham Rd
Iron (total)		Sampling Point Name
06/11/2018 00:00	< 0.030 mg/L	S1-1866 Burnham Rd
Lead (total)		Sampling Point Name
06/11/2018 00:00	0.00061 mg/L	S1-1866 Burnham Rd
Lithium (total)		Sampling Point Name
06/11/2018 00:00	< 0.010 mg/L	S1-1866 Burnham Rd

Magnesium (total)		Sampling Point Name
06/11/2018 00:00	5.12 mg/L	S1-1866 Burnham Rd
Manganese (total)		Sampling Point Name
06/11/2018 00:00	0.0056 mg/L	S1-1866 Burnham Rd
Mercury (total)		Sampling Point Name
06/11/2018 00:00	< 0.00020 mg/L	S1-1866 Burnham Rd
Molybdenum (total)		Sampling Point Name
06/11/2018 00:00	< 0.030 mg/L	S1-1866 Burnham Rd
Nickel (total)		Sampling Point Name
06/11/2018 00:00	< 0.050 mg/L	S1-1866 Burnham Rd
Nitrate (as N)		Sampling Point Name
06/11/2018 00:00	0.0913 mg/L	S1-1866 Burnham Rd
Nitrate + Nitrite (as N)		Sampling Point Name
06/11/2018 00:00	0.0913 mg/L	S1-1866 Burnham Rd
Nitrite (as N)		Sampling Point Name
06/11/2018 00:00	< 0.0010 mg/L	S1-1866 Burnham Rd
Phosphorus (total)		Sampling Point Name
06/11/2018 00:00	< 0.30 mg/L	S1-1866 Burnham Rd
Potassium (total)		Sampling Point Name
06/11/2018 00:00	0.13 mg/L	S1-1866 Burnham Rd
Selenium (total)		Sampling Point Name
06/11/2018 00:00	< 0.0010 mg/L	S1-1866 Burnham Rd
Silicon (total, as Si)		Sampling Point Name
06/11/2018 00:00	10.7 mg/L	S1-1866 Burnham Rd
Silver (total)		Sampling Point Name
06/11/2018 00:00	< 0.010 mg/L	S1-1866 Burnham Rd
Sodium (total)		Sampling Point Name
06/11/2018 00:00	15.2 mg/L	S1-1866 Burnham Rd
Strontium (total)		Sampling Point Name
06/11/2018 00:00	0.276 mg/L	S1-1866 Burnham Rd
Sulphate		Sampling Point Name
06/11/2018 00:00	15.8 mg/L	S1-1866 Burnham Rd

Sulphide (total, as S)	Sampling Point Name
06/11/2018 00:00 < 0.018 mg/L	S1-1866 Burnham Rd
Thallium (total)	Sampling Point Name
06/11/2018 00:00 < 0.20 mg/L	S1-1866 Burnham Rd
Tin (total)	Sampling Point Name
06/11/2018 00:00 < 0.030 mg/L	S1-1866 Burnham Rd
Titanium (total)	Sampling Point Name
06/11/2018 00:00 < 0.010 mg/L	S1-1866 Burnham Rd
Vanadium (total)	Sampling Point Name
06/11/2018 00:00 < 0.030 mg/L	S1-1866 Burnham Rd
Zinc (total)	Sampling Point Name
06/11/2018 00:00 0.0133 mg/L	S1-1866 Burnham Rd
MICROORGANISMS	
Escherichia coli / E. coli (counts)	Sampling Point Name
06/11/2018 00:00 < 1 counts/100ml	S1-1866 Burnham Rd
Heterotrophic Plate Count / HPC	Sampling Point Name
06/11/2018 00:00 < 100 CFU/100ml	S1-1866 Burnham Rd
Sulfate Reducing Bacteria	Sampling Point Name
06/11/2018 00:00 SC	S1-1866 Burnham Rd
Total Coliforms (counts)	Sampling Point Name
06/11/2018 00:00 < 1 counts/100ml	S1-1866 Burnham Rd
ORGANIC	
Bromodichloromethane (dichlorobromomethane)	Sampling Point Name
06/11/2018 00:00 0.0015 mg/L	S1-1866 Burnham Rd
Bromoform	Sampling Point Name
06/11/2018 00:00 < 0.0010 mg/L	S1-1866 Burnham Rd
Chloroform	Sampling Point Name
06/11/2018 00:00 0.0016 mg/L	S1-1866 Burnham Rd
Dibromochloromethane (Chlorodibromomethane)	Sampling Point Name
06/11/2018 00:00 0.0012 mg/L	S1-1866 Burnham Rd
Tannins and Lignins	Sampling Point Name
06/11/2018 00:00 < 0.10 mg/L	S1-1866 Burnham Rd

Total Kjeldahl Nitrogen / TKN	Sampling Point Name
06/11/2018 00:00 < 0.050 mg/L	S1-1866 Burnham Rd

Total Organic Carbon / TOC	Sampling Point Name
06/11/2018 00:00 < 0.50 mg/L	S1-1866 Burnham Rd

PHYSICAL

Alkalinity (total, as CaCO3)	Sampling Point Name
06/11/2018 00:00 106 mg/L	S1-1866 Burnham Rd

Colour	Sampling Point Name
06/11/2018 00:00 < 5.0 TCU	S1-1866 Burnham Rd

Conductivity	Sampling Point Name
06/11/2018 00:00 249 uS/cm	S1-1866 Burnham Rd

Hardness (total, as CaCO3)	Sampling Point Name
06/11/2018 00:00 93.7 mg/L	S1-1866 Burnham Rd

pH	Sampling Point Name
06/11/2018 00:00 8.24	S1-1866 Burnham Rd
06/11/2018 00:00 8.3	S1-1866 Burnham Rd

Total Dissolved Solids / TDS	Sampling Point Name
06/11/2018 00:00 163 mg/L	S1-1866 Burnham Rd

Turbidity	Sampling Point Name
06/11/2018 00:00 0.36 NTU	S1-1866 Burnham Rd

RADIONUCLIDES

Uranium (total)	Sampling Point Name
06/11/2018 00:00 < 0.00010 mg/L	S1-1866 Burnham Rd

Result Legend:

P=present, A=absent, PR=presumptive, ND=non-detect, OR=over-range, OG=overgrown, Y=yes, N=no, TNTC=too numerous to count, NR=no result, NT=not tested, IG=ignore, ER=external report, SC=see comment

< means less than lower detection limit shown

> means greater than upper detection limit shown

« means detected & less than number shown

» means detected & greater than number shown

* Indicates Criteria is exceeded