

COAL HARBOR WATER SERVICE ANNUAL REPORT OF MONITORING

(Drinking Water System Name)

Reporting Period:	January 1, 2014 to December 31, 2014
Operating Permit Number:	1440189
Drinking Water System Owner:	Regional District of Mount Waddington
Drinking Water System Contact:	
Name:	<u>Patrick Donaghy</u>
Phone:	<u>250 956-3301</u>
E-mail:	<u>pdonaghy@rdmw.bc.ca</u>

1 Microbiological testing completed during this reporting period:

- a. bacteriological results attached to this report.
- b. adverse bacteriological results:
 - None detected.
 - Listed in table below:

Adverse Results:

Date	Total Coliform	E. Coli	Reason	Corrective Action

2 Chemical results for this reporting period:

- a. most recent chemical analysis attached to this report.
- b. chemical parameters listed in the *Guidelines for Canadian Drinking Water Quality (GCDWQ)* are:
 - All within GCDWQ.
 - Above the GCDWQ and are listed below:

Parameters above the Guidelines:

Parameter	Result	Maximum Acceptable Concentration	Aesthetic Objective	Treatment/Corrective Action

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3 Summarize additional testing and sampling carried out in accordance with the requirement of a Water Source approval, Written Order or as per the conditions of your *Operating Permit*.

- No additional testing.
 Additional testing listed below:

Additional testing:

Description of parameter & reason for sampling	Health parameter or non-health related parameter	Corrective action necessary (Y/N?)	Corrective action taken

4 Water Quality Complaints:

During the course of the year, the water system:

- Did not receive water quality complaints (e.g., taste, odour).
 Received water quality complaints and are listed below:

Water Quality Complaints:

Date	Water quality complaint	Corrective action taken

5 Adverse events: Total number of adverse events during this reporting period for insufficient water supply, malfunction of disinfection equipment or elevated turbidity:

- No adverse events.
 Adverse events listed below:

Adverse Results:

Date	Corrective action	Corrected by

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6 Description of the system:

Sources of raw water:

- Groundwater
 Surface water
 Other (specify): _____

Does the drinking water system have disinfection? Yes No

Disinfection methods (check boxes that apply):

- Chlorination
 Ultraviolet light
 Ozonation
 Other (specify): _____

Does the drinking water system have treatment? Yes No

Treatment type (check boxes that apply):

- Particulate cartridge filters
 Membrane filtration
 Carbon filter
 Sand filtration
 Reverse osmosis
 Other (specify): Dissolved Oxygen Flotation _____

7 Major expenses incurred during the period covered by the report:

To purchase or install required equipment: _____

To repair equipment: _____

To replace equipment: _____

To complete annual maintenance of system: *(system flushing, replacement of carbon filters, etc)* _____

To complete specialist report (specify): _____

8 Further communication with users:

a. Indicate how you notified system users that your annual report is available, and is free of charge:

- Hand delivered
 Public access/ notice via web
 Public access/notice via government office
 Public access/notice via newspaper
 Public access/notice via bill stuffer
 Public access/ notice via other method (specify): _____

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b. Improvements or remedial actions required by the Drinking Water Officer:

- No action required.
- Drinking Water Officer inspection report attached to report.
- Actions required by Drinking Water Officer listed below:

Improvements/Remedial Actions:

Required action	Completion date

c. Future water system improvements:

- No improvements planned.
- Improvements listed below:

Future Improvements:

Future plans	Completion date

d. Emergency Response Plan can be accessed by:

- Posting on web
- Posting at nearest government office
- Contacting water system owner
- Other (specify): _____

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COAL HARBOUR WATER - Water Sample Range Report Distribution

Range Report Information:

Date range: Jan 1 2013 to Dec 31 2013

Total number of samples:93

Water Sample Details:

Samples that contain coliform:	1(1% of total)
Samples that contain fecal coliform:	0(0% of total)
Samples that contain e. coli	0(0% of total)
Number of consecutive samples that contain total coliform:	0(0% of total)
Number of samples that contain total coliform in last 30 days:	0(0% of total)

COAL HARBOUR WATER - Water Sample Range Report Source

Range Report Information:

Date range: Jan 1 2013 to Dec 31 2013

Total number of samples:13

Water Sample Details:

Samples that contain coliform:	12(92% of total)
Samples that contain fecal coliform:	0 (0% of total)
Samples that contain e. coli	7 (54% of total)
Number of consecutive samples that contain total coliform:	11(85% of total)
Number of samples that contain total coliform in last 30 days:	1 (100% of total)

COAL HARBOUR WATER - Inspection Report

Inspection Information:

Facility Type: DWC
Inspection type: Routine
Inspection date: May 23, 2013
Follow-up Required:No

This facility was given a **low** hazard rating.

■ [More information on hazard ratings.](#)

Violations:

No violations were found during the inspection

Comments: recommend testing colorimeter test kit with colour standards. system in place for removing excess pallets and barrels. Facility is well maintained and operated - see attached. No concerns.

Sewage Plant, Coal Harbour, BC

10-Dec-2014 L1 L1

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Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	12-Dec-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	10-Dec-2014	L1	L1
Sewage Plant, Coal Harbour, BC	10-Dec-2014	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	10-Dec-2014	L1	L1
Sewage Plant, Coal Harbour, BC	3-Dec-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	24-Nov-2014	L1	L1
Sewage Plant, Coal Harbour, BC	24-Nov-2014	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	24-Nov-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	12-Nov-2014	L1	L1
Sewage Plant, Coal Harbour, BC	12-Nov-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	3-Nov-2014	L1	L1
Sewage Plant, Coal Harbour, BC	3-Nov-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	27-Oct-2014	L1	L1
Sewage Plant, Coal Harbour, BC	27-Oct-2014	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	27-Oct-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	21-Oct-2014	L1	L1
Sewage Plant, Coal Harbour, BC	21-Oct-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	8-Oct-2014	L1	L1
Sewage Plant, Coal Harbour, BC	8-Oct-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	23-Sep-2014	L1	L1
Sewage Plant, Coal Harbour, BC	23-Sep-2014	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	23-Sep-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	17-Sep-2014	L1	L1
Sewage Plant, Coal Harbour, BC	17-Sep-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	8-Sep-2014	L1	L1

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Sewage Plant, Coal Harbour, BC	8-Sep-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	2-Sep-2014	L1	L1
Sewage Plant, Coal Harbour, BC	2-Sep-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	26-Aug-2014	L1	L1
Sewage Plant, Coal Harbour, BC	26-Aug-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	18-Aug-2014	L1	L1
Sewage Plant, Coal Harbour, BC	18-Aug-2014	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	18-Aug-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	13-Aug-2014	A	
Sewage Plant, Coal Harbour, BC	13-Aug-2014	A	
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	21-Jul-2014	L1	L1
Sewage Plant, Coal Harbour, BC	21-Jul-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	14-Jul-2014	L1	L1
Sewage Plant, Coal Harbour, BC	14-Jul-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	7-Jul-2014	L1	L1
Sewage Plant, Coal Harbour, BC	7-Jul-2014	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	7-Jul-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	2-Jul-2014	L1	L1
Sewage Plant, Coal Harbour, BC	2-Jul-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	23-Jun-2014	L1	L1
Sewage Plant, Coal Harbour, BC	23-Jun-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	16-Jun-2014	L1	L1
Sewage Plant, Coal Harbour, BC	16-Jun-2014	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	16-Jun-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	11-Jun-2014	L1	L1

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Sewage Plant, Coal Harbour, BC	11-Jun-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	4-Jun-2014	L1	L1
Sewage Plant, Coal Harbour, BC	4-Jun-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	27-May-2014	L1	L1
Sewage Plant, Coal Harbour, BC	27-May-2014	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	27-May-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	21-May-2014	L1	L1
Sewage Plant, Coal Harbour, BC	21-May-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	14-May-2014	L1	L1
Sewage Plant, Coal Harbour, BC	14-May-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	6-May-2014	L1	L1
Sewage Plant, Coal Harbour, BC	6-May-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	29-Apr-2014	L1	L1
Sewage Plant, Coal Harbour, BC	29-Apr-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	23-Apr-2014	L1	L1
Sewage Plant, Coal Harbour, BC	23-Apr-2014	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	23-Apr-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	9-Apr-2014	L1	L1
Sewage Plant, Coal Harbour, BC	9-Apr-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	31-Mar-2014	L1	L1
Sewage Plant, Coal Harbour, BC	31-Mar-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	24-Mar-2014	L1	L1
Sewage Plant, Coal Harbour, BC	24-Mar-2014	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	24-Mar-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	4-Mar-2014	L1	L1

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Sewage Plant, Coal Harbour, BC	4-Mar-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	26-Feb-2014	L1	L1
Sewage Plant, Coal Harbour, BC	26-Feb-2014	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	26-Feb-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	11-Feb-2014	L1	L1
Sewage Plant, Coal Harbour, BC	11-Feb-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	5-Feb-2014	L1	L1
Sewage Plant, Coal Harbour, BC	5-Feb-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	27-Jan-2014	L1	L1
Sewage Plant, Coal Harbour, BC	27-Jan-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	15-Jan-2014	L1	L1
Sewage Plant, Coal Harbour, BC	15-Jan-2014	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	15-Jan-2014	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	8-Jan-2014	L1	L1
Sewage Plant, Coal Harbour, BC	8-Jan-2014	L1	L1