

COAL HARBOR WATER SERVICE ANNUAL REPORT OF MONITORING

(Drinking Water System Name)

Reporting Period:	January 1, 2015 to December 31, 2015
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

COAL HARBOR WATER SERVICE ANNUAL REPORT OF MONITORING

(Drinking Water System Name)

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

COAL HARBOR WATER SERVICE ANNUAL REPORT OF MONITORING

(Drinking Water System Name)

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): _____

COAL HARBOR WATER SERVICE ANNUAL REPORT OF MONITORING

(Drinking Water System Name)

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): _____

COAL HARBOR WATER SERVICE ANNUAL REPORT OF MONITORING

(Drinking Water System Name)

COAL HARBOUR WATER - Water Sample Range Report

Range Report Information:

Date range: Jan 1 2015 to Dec 31 2015

Total number of samples: 12

Water Sample Details:

Samples that contain coliform: 11 (92% of total)

Samples that contain fecal coliform: 0 (0% of total)

Samples that contain e. coli: 5 (42% of total)

Number of consecutive samples that contain total coliform: 10 (83% of total)

Number of samples that contain total coliform in last 30 days: 0 (0% of total)

For more information regarding bacteriological quality guidelines please refer to the [Guidelines for Canadian Drinking Water Quality](#).

COAL HARBOUR WATER - Inspection Report

Inspection Information:

Facility Type: DWC

Inspection type: Routine

Inspection date: October 16, 2015

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: Discussed need to develop and implement a cross connection control program for users such as the First Nations that has its own distribution system that is not a part of this drinking water system. Operating Permit terms and conditions to be updated. No concerns! See Assessment checklist for addition comments.

COAL HARBOR WATER SERVICE ANNUAL REPORT OF MONITORING

(Drinking Water System Name)

COAL HARBOUR WATER

Facility Location:

Coal Harbour Road
Coal Harbour

Facility Information:

Facility Type: DWC

Facility Sampling History:

<u>Location</u>	<u>Date</u>	<u>Total Coliform</u>	<u>E. Coli</u>
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	15-Dec-2015	L1	L1
Sewage Plant, Coal Harbour, BC	15-Dec-2015	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	7-Dec-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	7-Dec-2015	L1	L1
Sewage Plant, Coal Harbour, BC	7-Dec-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	30-Nov-2015	L1	L1
Sewage Plant, Coal Harbour, BC	30-Nov-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	23-Nov-2015	L1	L1
Sewage Plant, Coal Harbour, BC	23-Nov-2015	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	23-Nov-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	16-Nov-2015	L1	L1
Sewage Plant, Coal Harbour, BC	16-Nov-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	28-Oct-2015	L1	L1
Sewage Plant, Coal Harbour, BC	28-Oct-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	20-Oct-2015	L1	L1
Sewage Plant, Coal Harbour, BC	20-Oct-2015	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	20-Oct-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	13-Oct-2015	L1	L1
Sewage Plant, Coal Harbour, BC	13-Oct-2015	L1	L1

COAL HARBOR WATER SERVICE ANNUAL REPORT OF MONITORING

(Drinking Water System Name)

<u>Location</u>	<u>Date</u>	<u>Total Coliform</u>	<u>E. Coli</u>
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	7-Oct-2015	L1	L1
Sewage Plant, Coal Harbour, BC	7-Oct-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	21-Sep-2015	L1	L1
Sewage Plant, Coal Harbour, BC	21-Sep-2015	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	21-Sep-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	14-Sep-2015	L1	L1
Sewage Plant, Coal Harbour, BC	14-Sep-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	8-Sep-2015	L1	L1
Sewage Plant, Coal Harbour, BC	8-Sep-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	26-Aug-2015	L1	L1
Sewage Plant, Coal Harbour, BC	26-Aug-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	10-Aug-2015	L1	L1
Sewage Plant, Coal Harbour, BC	10-Aug-2015	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	10-Aug-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	4-Aug-2015	L1	L1
Sewage Plant, Coal Harbour, BC	4-Aug-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	27-Jul-2015	L1	L1
Sewage Plant, Coal Harbour, BC	27-Jul-2015	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	27-Jul-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	20-Jul-2015	L1	L1
Sewage Plant, Coal Harbour, BC	20-Jul-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	6-Jul-2015	L1	L1
Sewage Plant, Coal Harbour, BC	6-Jul-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	29-Jun-2015	L1	L1
Location	Date	Total Coliform	E. Coli

COAL HARBOR WATER SERVICE ANNUAL REPORT OF MONITORING

(Drinking Water System Name)

<u>Location</u>	<u>Date</u>	<u>Total Coliform</u>	<u>E. Coli</u>
Sewage Plant, Coal Harbour, BC	29-Jun-2015	L1	L1
QUATSINO BAND OFFICE, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	24-Jun-2015	L1	L1
Sewage Plant, Coal Harbour, BC	24-Jun-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	15-Jun-2015	L1	L1
Sewage Plant, Coal Harbour, BC	15-Jun-2015	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	15-Jun-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	8-Jun-2015	L1	L1
Sewage Plant, Coal Harbour, BC	8-Jun-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	3-Jun-2015	L1	L1
Sewage Plant, Coal Harbour, BC	3-Jun-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	25-May-2015	L1	L1
Sewage Plant, Coal Harbour, BC	25-May-2015	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	25-May-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	19-May-2015	L1	L1
Sewage Plant, Coal Harbour, BC	19-May-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	4-May-2015	L1	L1
Sewage Plant, Coal Harbour, BC	4-May-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	28-Apr-2015	L1	L1
Sewage Plant, Coal Harbour, BC	28-Apr-2015	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	28-Apr-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	20-Apr-2015	L1	L1
Sewage Plant, Coal Harbour, BC	20-Apr-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	13-Apr-2015	L1	L1
Sewage Plant, Coal Harbour, BC	13-Apr-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	8-Apr-2015	L1	L1
Sewage Plant, Coal Harbour, BC	8-Apr-2015	L1	L1

COAL HARBOR WATER SERVICE ANNUAL REPORT OF MONITORING

(Drinking Water System Name)

<u>Location</u>	<u>Date</u>	<u>Total Coliform</u>	<u>E. Coli</u>
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	30-Mar-2015	L1	L1
Sewage Plant, Coal Harbour, BC	30-Mar-2015	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	30-Mar-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	25-Mar-2015	L1	L1
Sewage Plant, Coal Harbour, BC	25-Mar-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	16-Mar-2015	L1	L1
Sewage Plant, Coal Harbour, BC	16-Mar-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	9-Mar-2015	L1	L1
Sewage Plant, Coal Harbour, BC	9-Mar-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	3-Mar-2015	L1	L1
Sewage Plant, Coal Harbour, BC	3-Mar-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	23-Feb-2015	L1	L1
Sewage Plant, Coal Harbour, BC	23-Feb-2015	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	23-Feb-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	11-Feb-2015	L1	L1
Sewage Plant, Coal Harbour, BC	11-Feb-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	2-Feb-2015	L1	L1
Sewage Plant, Coal Harbour, BC	2-Feb-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	26-Jan-2015	L1	L1
Sewage Plant, Coal Harbour, BC	26-Jan-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	21-Jan-2015	L1	L1
Sewage Plant, Coal Harbour, BC	21-Jan-2015	L1	L1
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	12-Jan-2015	L1	L1
Sewage Plant, Coal Harbour, BC	12-Jan-2015	L1	L1
Wharf, Coal Harbour Govt Wharf, Coal Harbour	12-Jan-2015	L1	L1

COAL HARBOR WATER SERVICE ANNUAL REPORT OF MONITORING

(Drinking Water System Name)

<u>Location</u>	<u>Date</u>	<u>Total Coliform</u>	<u>E. Coli</u>
Quatsino Band Office, Quatsino Reserve, Coal Harbour Road, Coal Harbour, B.C.	7-Jan-2015	A	
Sewage Plant, Coal Harbour, BC	7-Jan-2015	A	
Wharf, Coal Harbour Govt Wharf, Coal Harbour	7-Jan-2015	A	