

Drinking Water System Annual Report

| | |
|---|--|
| Reporting Period | Jan 1, 2017 to Dec 31, 2017 |
| Water System Name | Blackcomb – Jersey Cream, Glacier Creek, Horstman Hut, Horstman Patrol Hut Whistler - CLC, Chic Pea, Roundhouse, Ravens |
| Water System Owner | Vail Resorts, Whistler Blackcomb |
| Primary Contact Name (Operator or Manager) | NaTai Perdue |
| Phone Number (Operator or Manager) | 604-905-8409 |
| Email (Operator or Manager) | nperdue@vailresorts.com |

Describe Your Water Supply System

What is the source(s) of Raw Water?

Deep Well Shallow Well Surface Water Other (specify): _____

Does The Drinking Water System Have Primary Disinfection? Yes No

Chlorination Ultraviolet light Ozonation Other (specify): _____

Does The Drinking Water System Have Secondary Disinfection? Yes No

Chlorination; All systems except the Roundhouse system

Ultraviolet light; Only at Horstman Hut and Horstman Patrol Hut

Does The Drinking Water System Have Filtration? Yes No

Filter Type (check boxes that apply):

Public Reporting

Emergency Response & Contingency Plan (ERCP)

Is your ERCP up to date? Yes No

How do you inform the users of the ERCP?

Hand Delivered Bulletin Board Website;

Other; WB Internal Shared File

Drinking Water System Annual Report

How do you inform system users of the Annual Report?

Hand Delivered Public Bulletin Board Newspaper Utility Bill Insert

Website; <https://www.whistlerblackcomb.com/explore-the-resort/about-the-resort/environment/mountain-drinking-water.aspx>

Other; WB Internal Shared File

Compliance with Operating Permit

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

- Horstman Water Hauling Unit must only be filled from Approved Potable Source(s)
- Review and update the Emergency Response Plan annually
- Monitor for E. Coli and Total Coliform semi-monthly and in accordance with the monitoring plan
- Provide a Well Protection Plan for each source
- Water Hauling limited to Horstman Hut and Patrol Hut on Blackcomb Mountain
- Monitor Cross Connection Control Program for Potable and Non-Potable Water
- Maintain a Free Chlorine Residual throughout the Distribution System
- Provide a Certified Operator; Level I Water Treatment & Level II Water Distribution

Are you in compliance with the Operating Permit? Yes No

Bacteriological Testing Completed During This Reporting Period

How many bacteriological samples did you collect? **241**

Bacteriological summary attached to this report. Yes No

In order to meet the potability standard no more than 10% of samples can show the presence of total coliform bacteria and no samples can show the presence of E coli.

Did your water system meet this standard? Yes No

If No, complete the table below; Attach additional sheets if necessary.

| Date | T. Coliform # | E. Coli # | Reason | Corrective Action |
|------|---------------|-----------|--------|-------------------|
| | | | | |

Chemical Sampling Completed During This Reporting Period

Did you conduct any chemical sampling: Yes No?

Did all treated water samples meet the Guidelines for Canadian Drinking Water Quality? Yes No

If no, record the parameters in the table below: Complete additional sheets if necessary.

| Parameter | Result | Corrective Action/Treatment |
|-----------|--------|-----------------------------|
| | | |

Additional Testing

Did you complete any additional water testing in this reporting period? Yes No

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

| Additional Testing & Reason for Sampling | Corrective Action Taken |
|--|-------------------------|
| | |

Drinking Water System Annual Report

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| | |
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Water Quality Complaints

Did you receive any water quality complaints in this reporting period? Yes No

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

| Date | Water Quality Complaint (i.e. taste, odour, colour, etc) | Corrective Action Taken |
|------|---|-------------------------|
| | | |

Operational Problems

Did you experience operational problems during this reporting period? Yes No

(Typical operational problems are; insufficient water supply, malfunction of disinfection equipment, line breaks, elevated turbidity, etc.).

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

| Incident Date | Type of Operational Problem | Corrective Action Taken |
|---------------|-----------------------------|-------------------------|
| | | |

Major Upgrades/Repairs & Expenses

Did you complete any upgrades/repairs and incur major expenses in this reporting period? Yes No

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

| Major Upgrades/Expenses | Details |
|--|---|
| Improvements required by DWO | n/a |
| Additions/changes to system | In progress of installing UV Treatment system c/w 1um filtration for JC Well #1 use. |
| Purchase or installation of new equipment | |
| Equipment repair or replacement (existing) | Repair of leak in JC Well #2 Supply pipe. |
| Annual maintenance of system: (system flushing, replacement of carbon filters, etc) | Systems checked daily. Filters replaced, quarterly. Lamps replaced annually. Tanks Inspected and flushed annually. Lines Flushed annually. Wells shock treated annually |

| | |
|--------------------------|-----|
| Specialist report | n/a |
|--------------------------|-----|

Future Improvements

Do you have plans for any future improvements? Yes No

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

| Future Upgrades or Improvements | Est. date of completion |
|--|--------------------------|
| Add a non-potable supply to the Roundhouse Water system. Potentially add water to Crabapple Snowmaking Pumphouse | Winter 2019, Winter 2018 |

Date Completed; June 27, 2018

Completed by; NaTai Perdue



Signature



WATER FACILITY EVALUATION REPORT Health Protection

| | | |
|--|--|----------------------|
| Premises Name Blackcomb - Jersey Cream | Tel: (604) 938-7661 Fax: (604) 938-7532 | |
| Premises Address 4545 Blackcomb Way Whistler, BC V0N 1B4 | Inspection Date April 24, 2018 | Time Spent 1 hour |
| Operator (Person in Charge) Na Tai Perdue | | |
| Inspection Type Evaluation | | |

| |
|-----------------------------------|
| Observed Violations |
| There are no observed violations. |

| |
|------------------------|
| Section Details |
| |

| |
|---|
| <p>Comments</p> <p>This is a 2017 year end summary inspection report for the Jersey Cream water system on Blackcomb Mountain. This water system services The Rendezvous Restaurant, the Alpine Shop, and is transported to Horstman and Patrol Huts in a permitted water hauling unit. A non-potable water system supplies the toilets in Rendezvous.</p> <p>The Operating Permit for this Drinking Water system contains the following conditions:</p> <ul style="list-style-type: none"> Review and update the Emergency Response Plan annually Prepare a Cross Connection Control Plan Provide a free chlorine residual throughout distribution system Monitor for E. Coli and Total Coliform semi monthly and in accordance with the monitoring plan. <p>A complete analysis of the well source water was conducted in December 2017. All chemical result are below the Operational Guidelines, Maximum Acceptable Concentrations and Aesthetic Objectives of the Canadian Drinking Water Guidelines. The JC well #1 sample from December was positive for low level total coliforms (2 per 100mL).</p> <p>A 2017 water monitoring plan schedule has been provided. A total of 48 samples were collected from the distribution system, which would exceed the frequency listed as a condition of the Operating Permit as semi-monthly for each of the 2 active sample sites for the distribution system. The 2017 sample range report indicates bacteriological monitoring results are in accordance with the potable water quality standards of the BC Drinking Water Protection Regulation.</p> <p>Annual Reports for this system have been submitted in a timely manner, and the 2016 annual report has been provided. The 2017 Annual Report is due on June 30th, 2018. Please update your Emergency Response plan to include the current list of VCH contacts provided with this report.</p> <p>Our records show that a repair was conducted on the main line from Jersey Cream Well #2 in the fall of 2017.</p> <p>A construction permit was also issued on Feb 6th 2018 to this water system for the following works, which are scheduled to be completed later this year. " The addition of water treatment when the backup well JC #1 is used, treatment includes 1 um filtration</p> |
|---|

and one R-CAN SPV-20 UV unit c/w 13.5 gpm flow restrictor, followed by chlorination and retention in two 10,000 gallon tanks; peak daily flow is estimated to be 7500 gallons."

Action Taken

Information Exchanged

Hazard Rating For Your Facility: High Moderate Low

DWO

DWO Printed Name

James Whalen

Sample Range Report

Vancouver Coastal Health

Facility Name: Blackcomb - Jersey Cream

Date Range: Jan 1 2017 to Dec 31 2017

Operator Na Tai Perdue
4545 Blackcomb Way
Whistler, BC V0N 1B4

| Sampling Site | Date Collected | Total Coliform | E. Coli | Fecal Coliform |
|-------------------------|-------------------------|----------------|-----------|----------------|
| <u>Blackcomb Alpine</u> | | | | |
| <u>Shop, Blackcomb</u> | | | | |
| <u>Mountain</u> | | | | |
| | 1/3/2017 | L1 | L1 | |
| | 1/17/2017 | L1 | L1 | |
| | 1/31/2017 | L1 | L1 | |
| | 2/14/2017 | L1 | L1 | |
| | 2/28/2017 | L1 | L1 | |
| | 3/15/2017 | L1 | L1 | |
| | 3/28/2017 | L1 | L1 | |
| | 4/11/2017 | L1 | L1 | |
| | 4/25/2017 | L1 | L1 | |
| | 5/9/2017 | L1 | L1 | |
| | 5/23/2017 | L1 | L1 | |
| | 6/6/2017 | L1 | L1 | |
| | 7/5/2017 | L1 | L1 | |
| | 7/18/2017 | L1 | L1 | |
| | 7/31/2017 | L1 | L1 | |
| | 8/15/2017 | L1 | L1 | |
| | 8/29/2017 | L1 | L1 | |
| | 9/12/2017 | L1 | L1 | |
| | 9/25/2017 | L1 | L1 | |
| | 10/11/2017 | L1 | L1 | |
| | 11/20/2017 | T | | |
| | 12/4/2017 | L1 | L1 | |
| | 12/18/2017 | <u>L1</u> | <u>L1</u> | |
| | Total Positive : | 0 | 0 | |

Rendevous
Restaurant,
Blackcomb Mountain

| | | |
|-----------|----|----|
| 1/3/2017 | L1 | L1 |
| 1/17/2017 | L1 | L1 |
| 1/31/2017 | L1 | L1 |
| 2/14/2017 | L1 | L1 |
| 2/28/2017 | L1 | L1 |
| 3/15/2017 | L1 | L1 |
| 3/28/2017 | L1 | L1 |
| 4/11/2017 | L1 | L1 |
| 4/25/2017 | L1 | L1 |

| | | |
|-------------------------|-----------|-----------|
| 5/9/2017 | L1 | L1 |
| 6/6/2017 | L1 | L1 |
| 6/20/2017 | L1 | L1 |
| 6/20/2017 | L1 | L1 |
| 7/5/2017 | L1 | L1 |
| 7/18/2017 | L1 | L1 |
| 7/31/2017 | L1 | L1 |
| 8/15/2017 | L1 | L1 |
| 8/29/2017 | L1 | L1 |
| 9/12/2017 | L1 | L1 |
| 9/25/2017 | L1 | L1 |
| 10/11/2017 | L1 | L1 |
| 10/25/2017 | L1 | L1 |
| 11/20/2017 | T | |
| 12/4/2017 | L1 | L1 |
| 12/18/2017 | <u>L1</u> | <u>L1</u> |
| Total Positive : | 0 | 0 |

Result Values:

E - estimated

L - less than

G - greater than

| | | |
|--|-----|----------------|
| Samples that contain total coliform: | 0 | 0.00% of total |
| Samples that contain e. coli: | 0 | 0.00% of total |
| Samples that contain fecal coliform: | 0 | 0.00% of total |
| Number of consecutive samples that contain total coliform: | 0 | |
| Number of samples that contain total coliform in last 30 days: | 0/0 | |
| Total number of samples: | 48 | |

Comments:

Environmental Health Officer
Apr 24 2018

FOR FURTHER INFORMATION PLEASE CALL: James Whalen (604) 932-3202

Report Transmission Cover Page

| | | |
|---|---------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: JC Well # 1 | Lot ID: 1242570 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248022 |
| Sampled By: | | |
| Company: | | |

| Contact | Company | Address |
|-------------------------|---|---|
| Accounts Payable | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC V0N 1B4 Phone: (604) 932-3141 Fax: (604) 932-0416 Email: apinvoice@vailresorts.com |

| Delivery | Format | Deliverables |
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| Email - Single Report | PDF | Invoice |

| Contact | Company | Address |
|---------------------|---|---|
| NaTai Perdue | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC V0N 1B4 Phone: (604) 938-7593 Fax: (604) 938-7532 Email: nperdue@vailresorts.com |

| Delivery | Format | Deliverables |
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| Email - Single Report | PDF | Test Report |

Notes To Clients:

- Dec 06, 2017 - The Total Coliforms result in sample 1242570-1 exceeded the maximum acceptable concentration (MAC) as specified by the February 2017 Guidelines for Canadian Drinking Water Quality.

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Analytical Report

| | | |
|---|---------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: JC Well # 1 | Lot ID: 1242570 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248022 |
| Sampled By: | | |
| Company: | | |

| | |
|---------------------------|----------------------|
| Reference Number | 1242570-1 |
| Sample Date | November 30, 2017 |
| Sample Time | 17:00 |
| Sample Location | |
| Sample Description | JC Well # 1 / 5.0 °C |
| Sample Matrix | Drinking Water |

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments | |
|--|------------------------|----------------|-------------------------|-----------------|--------------------|--------------|
| Metals Extractable | | | | | | |
| Aluminum | Extractable mg/L | 0.003 | 0.001 | 0.1 | Below OG | |
| Antimony | Extractable mg/L | <0.00002 | 0.00002 | 0.006 | Below MAC | |
| Arsenic | Extractable mg/L | <0.0001 | 0.0001 | 0.010 | Below MAC | |
| Barium | Extractable mg/L | 0.0016 | 0.0001 | 1 | Below MAC | |
| Boron | Extractable mg/L | <0.002 | 0.002 | 5 | Below MAC | |
| Cadmium | Extractable mg/L | <0.00001 | 0.00001 | 0.005 | Below MAC | |
| Chromium | Extractable mg/L | 0.00007 | 0.00005 | 0.05 | Below MAC | |
| Copper | Extractable mg/L | <0.0005 | 0.0005 | 1.0 | Below AO | |
| Lead | Extractable mg/L | <0.00001 | 0.00001 | 0.01 | Below MAC | |
| Selenium | Extractable mg/L | <0.0002 | 0.0002 | 0.05 | Below MAC | |
| Uranium | Extractable mg/L | <0.00001 | 0.00001 | 0.02 | Below MAC | |
| Vanadium | Extractable mg/L | 0.00007 | 0.00005 | | | |
| Zinc | Extractable mg/L | 0.0694 | 0.0005 | 5.0 | Below AO | |
| Microbiological Analysis | | | | | | |
| Total Coliforms | Enzyme Substrate Test | MPN/100 mL | 2.0 | 1.0 | 0 per 100 mL | Above MAC |
| Escherichia coli | Enzyme Substrate Test | MPN/100 mL | <1.0 | 1.0 | 0 per 100 mL | Below MAC |
| Physical and Aggregate Properties | | | | | | |
| Colour | True | Colour units | <5 | 5 | | |
| Turbidity | | NTU | 0.20 | 0.05 | | |
| Routine Water | | | | | | |
| pH - Holding Time | | | Exceeded | | | |
| pH | at 25 °C | | 7.25 | | 7.0-10.5 | Within Range |
| Electrical Conductivity | | µS/cm at 25 °C | 29 | 1 | | |
| Calcium | Extractable | mg/L | 4.7 | 0.01 | | |
| Iron | Extractable | mg/L | 0.009 | 0.004 | 0.3 | Below AO |
| Magnesium | Extractable | mg/L | 0.13 | 0.02 | | |
| Manganese | Extractable | mg/L | 0.002 | 0.001 | 0.05 | Below AO |
| Potassium | Extractable | mg/L | 0.11 | 0.04 | | |
| Silicon | Extractable | mg/L | 1.7 | 0.005 | | |
| Sodium | Extractable | mg/L | 0.7 | 0.1 | 200 | Below AO |
| T-Alkalinity | as CaCO3 | mg/L | 13 | 5 | | |
| Chloride | Dissolved | mg/L | 0.22 | 0.05 | 250 | Below AO |
| Fluoride | Dissolved | mg/L | <0.01 | 0.01 | 1.5 | Below MAC |
| Nitrate - N | Dissolved | mg/L | 0.11 | 0.01 | 10 | Below MAC |
| Nitrite - N | Dissolved | mg/L | <0.01 | 0.01 | 1 | Below MAC |
| Sulfate (SO4) | Dissolved | mg/L | 0.6 | 0.1 | 500 | Below AO |
| Hardness | as CaCO3 (extractable) | mg/L | 12 | 1 | | |

Analytical Report

| | | |
|---|---------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: JC Well # 1 | Lot ID: 1242570 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248022 |
| Sampled By: | | |
| Company: | | |

| | |
|---------------------------|----------------------|
| Reference Number | 1242570-1 |
| Sample Date | November 30, 2017 |
| Sample Time | 17:00 |
| Sample Location | |
| Sample Description | JC Well # 1 / 5.0 °C |
| Sample Matrix | Drinking Water |

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments |
|----------------------------------|-------------|--------|-------------------------|-----------------|--------------------|
| Routine Water - Continued | | | | | |
| Total Dissolved Solids | Extractable | mg/L | 19 | 1 | |

Approved by: 
Mathieu Simoneau
Operations Manager

Data have been validated by Analytical Quality Control and Exova's Integrated Data Validation System (IDVS).

Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.

Methodology and Notes

| | |
|---|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Lot ID: 1242570 |
| 4545 Blackcomb Way | Control Number: |
| Whistler, BC, Canada | Date Received: Dec 1, 2017 |
| VON 1B4 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Report Number: 2248022 |
| Sampled By: | |
| Company: | |

Method of Analysis

| Method Name | Reference | Method | Date Analysis Started | Location |
|--|-----------|---|-----------------------|--------------|
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Alkalinity - Titration Method, 2320 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Conductivity, 2510 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * pH - Electrometric Method, 4500-H+ B | Dec 2, 2017 | Exova Surrey |
| Anions by IEC in water (Surrey) | APHA | * Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B | Dec 1, 2017 | Exova Surrey |
| Metals SemiTrace (Extractable) in water (Surrey) | US EPA | * Metals & Trace Elements by ICP-AES, 6010C | Dec 1, 2017 | Exova Surrey |
| Total and E-Coli - Colilert - DW (Surrey) | APHA | Enzyme Substrate Test, APHA 9223 B | Dec 1, 2017 | Exova Surrey |
| Trace Metals (extractable) in Water (Surrey) | US EPA | * Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8 | Dec 1, 2017 | Exova Surrey |
| True Color in water (Surrey) | APHA | * Spectrophotometric - Single Wavelength Method, 2120 C | Dec 2, 2017 | Exova Surrey |
| Turbidity - Water (Surrey) | APHA | * Turbidity - Nephelometric Method, 2130 B | Dec 1, 2017 | Exova Surrey |

* Reference Method Modified

References

APHA Standard Methods for the Examination of Water and Wastewater
US EPA US Environmental Protection Agency Test Methods

Guidelines

Guideline Description Health Canada GCDWQ
Guideline Source Guidelines for Canadian Drinking Water Quality, Health Canada, February 2017
Guideline Comments MAC = Maximum Acceptable Concentration
AO = Aesthetic Objective
OG = Operational Guideline for Water Treatment Plants
Refer to Health Canada GCDWQ for complete guidelines and additional drinking water information at www.hc-sc.gc.ca

Comments:

- Dec 06, 2017 - The Total Coliforms result in sample 1242570-1 exceeded the maximum acceptable concentration (MAC) as specified by the February 2017 Guidelines for Canadian Drinking Water Quality.

The comparison of test results to guideline limits is provided for information purposes only. This is not to be taken as a statement of conformance / nonconformance to any guideline, regulation or limit. The data user is responsible for all conclusions drawn with respect to the data and is advised to consult official regulatory references when evaluating compliance.

Please direct any inquiries regarding this report to our Client Services Group or to the Operations Manager at the coordinates indicated at the top left of this page.

Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.

Report Transmission Cover Page

| | | |
|---|---------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: JC Well # 2 | Lot ID: 1242567 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248020 |
| Sampled By: | | |
| Company: | | |

| Contact | Company | Address |
|-------------------------|---|---|
| Accounts Payable | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC V0N 1B4 Phone: (604) 932-3141 Fax: (604) 932-0416 Email: apinvoice@vailresorts.com |

| Delivery | Format | Deliverables |
|-----------------------|--------|--------------|
| Email - Single Report | PDF | Invoice |

| Contact | Company | Address |
|---------------------|---|---|
| NaTai Perdue | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC V0N 1B4 Phone: (604) 938-7593 Fax: (604) 938-7532 Email: nperdue@vailresorts.com |

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| Email - Single Report | PDF | Invoice |
| Email - Single Report | PDF | Test Report |

Notes To Clients:

- Dec 06, 2017 - The analysis of water sample 1242567-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the February 2017 Guidelines for Canadian Drinking Water Quality for the parameters tested.

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Analytical Report

| | | |
|---|---------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: JC Well # 2 | Lot ID: 1242567 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248020 |
| Sampled By: | | |
| Company: | | |

| | |
|---------------------------|----------------------|
| Reference Number | 1242567-1 |
| Sample Date | November 30, 2017 |
| Sample Time | 16:00 |
| Sample Location | |
| Sample Description | JC Well # 2 / 5.0 °C |
| Sample Matrix | Drinking Water |

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments | |
|--|------------------------|----------------|-------------------------|-----------------|--------------------|--------------|
| Metals Extractable | | | | | | |
| Aluminum | Extractable mg/L | 0.004 | 0.001 | 0.1 | Below OG | |
| Antimony | Extractable mg/L | <0.00002 | 0.00002 | 0.006 | Below MAC | |
| Arsenic | Extractable mg/L | <0.0001 | 0.0001 | 0.010 | Below MAC | |
| Barium | Extractable mg/L | 0.0015 | 0.0001 | 1 | Below MAC | |
| Boron | Extractable mg/L | <0.002 | 0.002 | 5 | Below MAC | |
| Cadmium | Extractable mg/L | <0.00001 | 0.00001 | 0.005 | Below MAC | |
| Chromium | Extractable mg/L | <0.00005 | 0.00005 | 0.05 | Below MAC | |
| Copper | Extractable mg/L | <0.0005 | 0.0005 | 1.0 | Below AO | |
| Lead | Extractable mg/L | 0.000097 | 0.00001 | 0.01 | Below MAC | |
| Selenium | Extractable mg/L | <0.0002 | 0.0002 | 0.05 | Below MAC | |
| Uranium | Extractable mg/L | 0.00003 | 0.00001 | 0.02 | Below MAC | |
| Vanadium | Extractable mg/L | 0.00005 | 0.00005 | | | |
| Zinc | Extractable mg/L | 0.0340 | 0.0005 | 5.0 | Below AO | |
| Microbiological Analysis | | | | | | |
| Total Coliforms | Enzyme Substrate Test | MPN/100 mL | <1.0 | 1.0 | 0 per 100 mL | Below MAC |
| Escherichia coli | Enzyme Substrate Test | MPN/100 mL | <1.0 | 1.0 | 0 per 100 mL | Below MAC |
| Physical and Aggregate Properties | | | | | | |
| Colour | True | Colour units | <5 | 5 | | |
| Turbidity | | NTU | 0.28 | 0.05 | | |
| Routine Water | | | | | | |
| pH - Holding Time | | | Exceeded | | | |
| pH | at 25 °C | | 7.55 | | 7.0-10.5 | Within Range |
| Electrical Conductivity | | µS/cm at 25 °C | 47 | 1 | | |
| Calcium | Extractable | mg/L | 8.5 | 0.01 | | |
| Iron | Extractable | mg/L | 0.008 | 0.004 | 0.3 | Below AO |
| Magnesium | Extractable | mg/L | 0.15 | 0.02 | | |
| Manganese | Extractable | mg/L | <0.001 | 0.001 | 0.05 | Below AO |
| Potassium | Extractable | mg/L | 0.09 | 0.04 | | |
| Silicon | Extractable | mg/L | 2.0 | 0.005 | | |
| Sodium | Extractable | mg/L | 0.7 | 0.1 | 200 | Below AO |
| T-Alkalinity | as CaCO3 | mg/L | 23 | 5 | | |
| Chloride | Dissolved | mg/L | 0.47 | 0.05 | 250 | Below AO |
| Fluoride | Dissolved | mg/L | <0.01 | 0.01 | 1.5 | Below MAC |
| Nitrate - N | Dissolved | mg/L | 0.08 | 0.01 | 10 | Below MAC |
| Nitrite - N | Dissolved | mg/L | <0.01 | 0.01 | 1 | Below MAC |
| Sulfate (SO4) | Dissolved | mg/L | 0.9 | 0.1 | 500 | Below AO |
| Hardness | as CaCO3 (extractable) | mg/L | 22 | 1 | | |

Analytical Report

| | | |
|---|---------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: JC Well # 2 | Lot ID: 1242567 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248020 |
| Sampled By: | | |
| Company: | | |

| | |
|---------------------------|----------------------|
| Reference Number | 1242567-1 |
| Sample Date | November 30, 2017 |
| Sample Time | 16:00 |
| Sample Location | |
| Sample Description | JC Well # 2 / 5.0 °C |
| Sample Matrix | Drinking Water |

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments |
|----------------------------------|-------------|--------|-------------------------|-----------------|--------------------|
| Routine Water - Continued | | | | | |
| Total Dissolved Solids | Extractable | mg/L | 31 | 1 | |

Approved by: 
Mathieu Simoneau
Operations Manager

Data have been validated by Analytical Quality Control and Exova's Integrated Data Validation System (IDVS).

Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.

Methodology and Notes

| | |
|---|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Lot ID: 1242567 |
| 4545 Blackcomb Way | Control Number: |
| Whistler, BC, Canada | Date Received: Dec 1, 2017 |
| VON 1B4 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Report Number: 2248020 |
| Sampled By: | |
| Company: | |

Method of Analysis

| Method Name | Reference | Method | Date Analysis Started | Location |
|--|-----------|---|-----------------------|--------------|
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Alkalinity - Titration Method, 2320 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Conductivity, 2510 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * pH - Electrometric Method, 4500-H+ B | Dec 2, 2017 | Exova Surrey |
| Anions by IEC in water (Surrey) | APHA | * Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B | Dec 1, 2017 | Exova Surrey |
| Metals SemiTrace (Extractable) in water (Surrey) | US EPA | * Metals & Trace Elements by ICP-AES, 6010C | Dec 1, 2017 | Exova Surrey |
| Total and E-Coli - Colilert - DW (Surrey) | APHA | Enzyme Substrate Test, APHA 9223 B | Dec 1, 2017 | Exova Surrey |
| Trace Metals (extractable) in Water (Surrey) | US EPA | * Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8 | Dec 1, 2017 | Exova Surrey |
| True Color in water (Surrey) | APHA | * Spectrophotometric - Single Wavelength Method, 2120 C | Dec 2, 2017 | Exova Surrey |
| Turbidity - Water (Surrey) | APHA | * Turbidity - Nephelometric Method, 2130 B | Dec 1, 2017 | Exova Surrey |

* Reference Method Modified

References

APHA Standard Methods for the Examination of Water and Wastewater
US EPA US Environmental Protection Agency Test Methods

Guidelines

Guideline Description Health Canada GCDWQ
Guideline Source Guidelines for Canadian Drinking Water Quality, Health Canada, February 2017
Guideline Comments MAC = Maximum Acceptable Concentration
AO = Aesthetic Objective
OG = Operational Guideline for Water Treatment Plants
Refer to Health Canada GCDWQ for complete guidelines and additional drinking water information at www.hc-sc.gc.ca

Comments:

- Dec 06, 2017 - The analysis of water sample 1242567-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the February 2017 Guidelines for Canadian Drinking Water Quality for the parameters tested.

The comparison of test results to guideline limits is provided for information purposes only. This is not to be taken as a statement of conformance / nonconformance to any guideline, regulation or limit. The data user is responsible for all conclusions drawn with respect to the data and is advised to consult official regulatory references when evaluating compliance.

Please direct any inquiries regarding this report to our Client Services Group or to the Operations Manager at the coordinates indicated at the top left of this page.

Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.



WATER FACILITY EVALUATION REPORT Health Protection

| | |
|--|--|
| Premises Name Glacier Creek Water Supply System | Tel: (604) 938-7661 Fax: (604) 938-7532 |
| Premises Address 4545 Blackcomb Way Whistler, BC V0N 1B4 | Inspection Date April 25, 2018 |
| Operator (Person in Charge) Natai Perdue | |
| Time Spent 1 hour | |
| Inspection Type Evaluation | |

| |
|-----------------------------------|
| Observed Violations |
| There are no observed violations. |

| |
|------------------------|
| Section Details |
| |

| |
|---|
| Comments |
| <p>This is a 2017 year end summary report for Glacier Creek water supply system on Blackcomb Mountain. This system services both Glacier Creek and Crystal Hut food premises.</p> <p>The Operating Permit for this Drinking Water system contains the following conditions:</p> <ul style="list-style-type: none"> Monitor cross connection control program for potable and not potable water systems in Glacier Creek Restaurant building. Review and update emergency response plan annually and as required. Maintain a free chlorine residual in the distribution system. Monitor for E. Coli and Total Coliform semi monthly and in accordance with monitoring plan. <p>A chemical analysis of the well source water was conducted in December 2017. All results are below the Operational Guidelines, Maximum Acceptable Concentrations and Aesthetic Objectives of the Canadian Drinking Water Guidelines. A 2017 water monitoring plan schedule has been provided. A total of 32 samples were collected from the distribution system, which would exceed the frequency listed as a condition of the Operating Permit as semi-monthly for each of the 2 active sample sites for the distribution system. The 2017 sample range report indicates bacteriological monitoring results are in accordance with the potable water quality standards of the BC Drinking Water Protection Regulation.</p> <p>Annual Reports for this system have been submitted in a timely manner, and the 2016 annual report has been provided. The 2017 Annual Report is due on June 30th, 2018.</p> <p>Please update your Emergency Response plan to include the current list of VCH contacts provided with this report.</p> |

| |
|---|
| Action Taken |
| <input checked="" type="checkbox"/> Information Exchanged |

| |
|---|
| Hazard Rating For Your Facility: <input type="checkbox"/> High <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Low |
|---|

| |
|---|
| DWO |
| DWO Printed Name James Whalen |

Sample Range Report

Vancouver Coastal Health

Facility Name: Glacier Creek Water Supply System

Date Range: Jan 1 2017 to Dec 31 2017

Operator Natai Perdue
4545 Blackcomb Way
Whistler, BC V0N 1B4

| Sampling Site | Date Collected | Total Coliform | E. Coli | Fecal Coliform |
|---------------------------|-------------------------|----------------|-----------|----------------|
| <u>Glacier Creek</u> | | | | |
| <u>Restaurant,</u> | | | | |
| <u>Blackcomb Mountain</u> | | | | |
| | 1/3/2017 | L1 | L1 | |
| | 1/17/2017 | L1 | L1 | |
| | 1/31/2017 | L1 | L1 | |
| | 2/14/2017 | L1 | L1 | |
| | 2/28/2017 | L1 | L1 | |
| | 3/15/2017 | L1 | L1 | |
| | 3/28/2017 | L1 | L1 | |
| | 4/11/2017 | L1 | L1 | |
| | 8/15/2017 | L1 | L1 | |
| | 8/29/2017 | L1 | L1 | |
| | 9/25/2017 | L1 | L1 | |
| | 10/25/2017 | L1 | L1 | |
| | 11/20/2017 | T | | |
| | 12/4/2017 | L1 | L1 | |
| | 12/18/2017 | <u>L1</u> | <u>L1</u> | |
| | Total Positive : | 0 | 0 | |
| | | | | |
| <u>Crystal Hut</u> | | | | |
| <u>Restaraunt,</u> | | | | |
| <u>Blackcomb Mountain</u> | | | | |
| | 1/3/2017 | L1 | L1 | |
| | 1/17/2017 | L1 | L1 | |
| | 1/31/2017 | L1 | L1 | |
| | 2/14/2017 | L1 | L1 | |
| | 2/28/2017 | L1 | L1 | |
| | 3/15/2017 | L1 | L1 | |
| | 3/28/2017 | L1 | L1 | |
| | 4/11/2017 | L1 | L1 | |
| | 7/5/2017 | L1 | L1 | |
| | 7/18/2017 | L1 | L1 | |
| | 7/31/2017 | L1 | L1 | |
| | 8/15/2017 | L1 | L1 | |
| | 8/29/2017 | L1 | L1 | |
| | 9/25/2017 | L1 | L1 | |
| | 11/27/2017 | L1 | L1 | |
| | 12/4/2017 | L1 | L1 | |
| | 12/18/2017 | <u>L1</u> | <u>L1</u> | |

Total Positive : **0** **0**

Result Values: **E - estimated** **L - less than** **G - greater than**

| | | | |
|--|-----|--|----------------|
| Samples that contain total coliform: | 0 | | 0.00% of total |
| Samples that contain e. coli: | 0 | | 0.00% of total |
| Samples that contain fecal coliform: | 0 | | 0.00% of total |
| Number of consecutive samples that contain total coliform: | 0 | | |
| Number of samples that contain total coliform in last 30 days: | 0/0 | | |
| Total number of samples: | 32 | | |

Comments:

Environmental Health Officer
Apr 27 2018

FOR FURTHER INFORMATION PLEASE CALL: James Whalen (604) 932-3202

Report Transmission Cover Page

| | | |
|---|----------------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: Glacier Creek Well | Lot ID: 1242556 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248010 |
| Sampled By: | | |
| Company: | | |

| Contact | Company | Address |
|-------------------------|---|---|
| Accounts Payable | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC V0N 1B4 Phone: (604) 932-3141 Fax: (604) 932-0416 Email: apinvoice@vailresorts.com |

| Delivery | Format | Deliverables |
|-----------------------|--------|--------------|
| Email - Single Report | PDF | Invoice |

| Contact | Company | Address |
|---------------------|---|---|
| NaTai Perdue | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC V0N 1B4 Phone: (604) 938-7593 Fax: (604) 938-7532 Email: nperdue@vailresorts.com |

| Delivery | Format | Deliverables |
|-----------------------|--------|--------------|
| Email - Single Report | PDF | COA |
| Email - Single Report | PDF | Invoice |
| Email - Single Report | PDF | Test Report |

Notes To Clients:

- Dec 06, 2017 - The analysis of water sample 1242556-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the February 2017 Guidelines for Canadian Drinking Water Quality for the parameters tested.

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Analytical Report

| | | |
|---|----------------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: Glacier Creek Well | Lot ID: 1242556 |
| 4545 Blackcomb Way | Control Number: | |
| Whistler, BC, Canada | Project Location: | Date Received: Dec 1, 2017 |
| VON 1B4 | LSD: | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | P.O.: 683957 | Report Number: 2248010 |
| Sampled By: | Proj. Acct. code: | |
| Company: | | |

| | |
|---------------------------|-----------------------------|
| Reference Number | 1242556-1 |
| Sample Date | November 30, 2017 |
| Sample Time | 17:00 |
| Sample Location | |
| Sample Description | Glacier Creek Well / 5.0 °C |
| Sample Matrix | Drinking Water |

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments | |
|--|------------------------|----------------|-------------------------|-----------------|--------------------|--------------|
| Metals Extractable | | | | | | |
| Aluminum | Extractable mg/L | 0.001 | 0.001 | 0.1 | Below OG | |
| Antimony | Extractable mg/L | 0.00002 | 0.00002 | 0.006 | Below MAC | |
| Arsenic | Extractable mg/L | 0.0019 | 0.0001 | 0.010 | Below MAC | |
| Barium | Extractable mg/L | 0.0220 | 0.0001 | 1 | Below MAC | |
| Boron | Extractable mg/L | 0.005 | 0.002 | 5 | Below MAC | |
| Cadmium | Extractable mg/L | <0.00001 | 0.00001 | 0.005 | Below MAC | |
| Chromium | Extractable mg/L | <0.00005 | 0.00005 | 0.05 | Below MAC | |
| Copper | Extractable mg/L | 0.0007 | 0.0005 | 1.0 | Below AO | |
| Lead | Extractable mg/L | 0.00003 | 0.00001 | 0.01 | Below MAC | |
| Selenium | Extractable mg/L | 0.0005 | 0.0002 | 0.05 | Below MAC | |
| Uranium | Extractable mg/L | 0.00019 | 0.00001 | 0.02 | Below MAC | |
| Vanadium | Extractable mg/L | 0.00020 | 0.00005 | | | |
| Zinc | Extractable mg/L | 0.0009 | 0.0005 | 5.0 | Below AO | |
| Microbiological Analysis | | | | | | |
| Total Coliforms | Enzyme Substrate Test | MPN/100 mL | <1.0 | 1.0 | 0 per 100 mL | Below MAC |
| Escherichia coli | Enzyme Substrate Test | MPN/100 mL | <1.0 | 1.0 | 0 per 100 mL | Below MAC |
| Physical and Aggregate Properties | | | | | | |
| Colour | True | Colour units | <5 | 5 | | |
| Turbidity | | NTU | 0.50 | 0.05 | | |
| Routine Water | | | | | | |
| pH - Holding Time | | | Exceeded | | | |
| pH | at 25 °C | | 7.98 | | 7.0-10.5 | Within Range |
| Electrical Conductivity | | µS/cm at 25 °C | 201 | 1 | | |
| Calcium | Extractable | mg/L | 36 | 0.01 | | |
| Iron | Extractable | mg/L | 0.081 | 0.004 | 0.3 | Below AO |
| Magnesium | Extractable | mg/L | 0.78 | 0.02 | | |
| Manganese | Extractable | mg/L | 0.005 | 0.001 | 0.05 | Below AO |
| Potassium | Extractable | mg/L | 0.17 | 0.04 | | |
| Silicon | Extractable | mg/L | 4.9 | 0.005 | | |
| Sodium | Extractable | mg/L | 4.7 | 0.1 | 200 | Below AO |
| T-Alkalinity | as CaCO3 | mg/L | 79 | 5 | | |
| Chloride | Dissolved | mg/L | 0.37 | 0.05 | 250 | Below AO |
| Fluoride | Dissolved | mg/L | 0.04 | 0.01 | 1.5 | Below MAC |
| Nitrate - N | Dissolved | mg/L | <0.01 | 0.01 | 10 | Below MAC |
| Nitrite - N | Dissolved | mg/L | <0.01 | 0.01 | 1 | Below MAC |
| Sulfate (SO4) | Dissolved | mg/L | 23.8 | 0.1 | 500 | Below AO |
| Hardness | as CaCO3 (extractable) | mg/L | 94 | 1 | | |

Analytical Report

| | | |
|---|----------------------------------|------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: Glacier Creek Well | Lot ID: 1242556 |
| 4545 Blackcomb Way | Control Number: | |
| Whistler, BC, Canada | Date Received: Dec 1, 2017 | |
| VON 1B4 | Date Reported: Dec 6, 2017 | |
| Attn: Accounts Payable | P.O.: 683957 | Report Number: 2248010 |
| Sampled By: | Proj. Acct. code: | |
| Company: | | |

| | |
|---------------------------|-----------------------------|
| Reference Number | 1242556-1 |
| Sample Date | November 30, 2017 |
| Sample Time | 17:00 |
| Sample Location | |
| Sample Description | Glacier Creek Well / 5.0 °C |
| Sample Matrix | Drinking Water |

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments |
|----------------------------------|-------------|--------|-------------------------|-----------------|--------------------|
| Routine Water - Continued | | | | | |
| Total Dissolved Solids | Extractable | mg/L | 127 | 1 | |

Approved by: 
Mathieu Simoneau
Operations Manager

Data have been validated by Analytical Quality Control and Exova's Integrated Data Validation System (IDVS).

Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.

Methodology and Notes

| | | |
|---|----------------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: Glacier Creek Well | Lot ID: 1242556 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248010 |
| Sampled By: | | |
| Company: | | |

Method of Analysis

| Method Name | Reference | Method | Date Analysis Started | Location |
|--|-----------|---|-----------------------|--------------|
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Alkalinity - Titration Method, 2320 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Conductivity, 2510 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * pH - Electrometric Method, 4500-H+ B | Dec 2, 2017 | Exova Surrey |
| Anions by IEC in water (Surrey) | APHA | * Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B | Dec 1, 2017 | Exova Surrey |
| Metals SemiTrace (Extractable) in water (Surrey) | US EPA | * Metals & Trace Elements by ICP-AES, 6010C | Dec 1, 2017 | Exova Surrey |
| Total and E-Coli - Colilert - DW (Surrey) | APHA | Enzyme Substrate Test, APHA 9223 B | Dec 1, 2017 | Exova Surrey |
| Trace Metals (extractable) in Water (Surrey) | US EPA | * Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8 | Dec 1, 2017 | Exova Surrey |
| True Color in water (Surrey) | APHA | * Spectrophotometric - Single Wavelength Method, 2120 C | Dec 2, 2017 | Exova Surrey |
| Turbidity - Water (Surrey) | APHA | * Turbidity - Nephelometric Method, 2130 B | Dec 1, 2017 | Exova Surrey |

* Reference Method Modified

References

APHA Standard Methods for the Examination of Water and Wastewater
US EPA US Environmental Protection Agency Test Methods

Guidelines

Guideline Description Health Canada GCDWQ
Guideline Source Guidelines for Canadian Drinking Water Quality, Health Canada, February 2017
Guideline Comments MAC = Maximum Acceptable Concentration
AO = Aesthetic Objective
OG = Operational Guideline for Water Treatment Plants
Refer to Health Canada GCDWQ for complete guidelines and additional drinking water information at www.hc-sc.gc.ca

Comments:

- Dec 06, 2017 - The analysis of water sample 1242556-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the February 2017 Guidelines for Canadian Drinking Water Quality for the parameters tested.

The comparison of test results to guideline limits is provided for information purposes only. This is not to be taken as a statement of conformance / nonconformance to any guideline, regulation or limit. The data user is responsible for all conclusions drawn with respect to the data and is advised to consult official regulatory references when evaluating compliance.

Please direct any inquiries regarding this report to our Client Services Group or to the Operations Manager at the coordinates indicated at the top left of this page.

Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.



WATER FACILITY EVALUATION REPORT

Health Protection

| | | |
|--|--|----------------------|
| Premises Name Blackcomb Mountain- Horstman Hut | Tel: (604) 938-7661 Fax: (604) 938-7532 | |
| Premises Address 4545 Blackcomb Way Whistler, BC V0N 1B4 | Inspection Date April 25, 2018 | Time Spent 1 hour |
| Operator (Person in Charge) Na Tai Perdue | | |
| Inspection Type Evaluation | | |

| |
|-----------------------------------|
| Observed Violations |
| There are no observed violations. |

| |
|------------------------|
| Section Details |
| |

| |
|--|
| Comments |
| <p>This is a 2017 year end summary inspection report for the Horstman Hut water system on Blackcomb Mountain. The water system is supplied by water from the Jersey Cream water system via a permitted water hauling unit to a storage reservoir. The water supply is then treated with sedimentation filters and UV disinfection equipment</p> <p>The Operating Permit for this Drinking Water system contains the following conditions:</p> <p>Review and update the Emergency Response Plan annually Prepare a Cross Connection Control Plan Water hauling procedures must meet VCH Bulk Water Hauling Guidelines Monitor for E. Coli and Total Coliform semi monthly and in accordance with monitoring plan.</p> <p>A 2017 water monitoring plan schedule has been provided. A total of 15 samples were collected from the distribution system, which would exceed the frequency listed as a condition of the Operating Permit as semi-monthly. The 2017 sample range report indicates bacteriological monitoring results are in accordance with the potable water quality standards of the BC Drinking Water Protection Regulation.</p> <p>Annual Reports for this system have been submitted in a timely manner, and the 2016 annual report has been provided. The 2017 Annual Report is due on June 30th, 2018. Please update your Emergency Response plan to include the current list of VCH contacts provided with this report.</p> |

| |
|---|
| Action Taken |
| <input checked="" type="checkbox"/> Information Exchanged |

| |
|---|
| Hazard Rating For Your Facility: <input type="checkbox"/> High <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Low |
|---|

| |
|---|
| DWO |
| DWO Printed Name James Whalen |

Sample Range Report

Vancouver Coastal Health

Facility Name: Blackcomb Mountain- Horstman Hut

Date Range: Jan 1 2017 to Dec 31 2017

Operator Na Tai Perdue
4545 Blackcomb Way
Whistler, BC V0N 1B4

| Sampling Site | Date Collected | Total Coliform | E. Coli | Fecal Coliform |
|---------------------------|-------------------------|----------------|-----------|----------------|
| <u>Horstman Hut,</u> | | | | |
| <u>Blackcomb Mountain</u> | | | | |
| | 1/3/2017 | L1 | L1 | |
| | 1/31/2017 | L1 | L1 | |
| | 2/14/2017 | L1 | L1 | |
| | 2/28/2017 | L1 | L1 | |
| | 3/15/2017 | L1 | L1 | |
| | 3/29/2017 | L1 | L1 | |
| | 4/11/2017 | L1 | L1 | |
| | 4/25/2017 | L1 | L1 | |
| | 5/9/2017 | L1 | L1 | |
| | 5/23/2017 | L1 | L1 | |
| | 6/12/2017 | L1 | L1 | |
| | 6/20/2017 | L1 | L1 | |
| | 7/5/2017 | L1 | L1 | |
| | 9/25/2017 | L1 | L1 | |
| | 12/18/2017 | <u>L1</u> | <u>L1</u> | |
| | Total Positive : | 0 | 0 | |

| Result Values: | E - estimated | L - less than | G - greater than |
|--|---------------|---------------|------------------|
| Samples that contain total coliform: | 0 | | 0.00% of total |
| Samples that contain e. coli: | 0 | | 0.00% of total |
| Samples that contain fecal coliform: | 0 | | 0.00% of total |
| Number of consecutive samples that contain total coliform: | 0 | | |
| Number of samples that contain total coliform in last 30 days: | 0/0 | | |
| Total number of samples: | 15 | | |

Comments:

Environmental Health Officer
Jun 5 2018

FOR FURTHER INFORMATION PLEASE CALL: James Whalen (604) 932-3202



WATER FACILITY EVALUATION REPORT

Health Protection

| | | |
|--|--|----------------------|
| Premises Name Blackcomb Mountain -- Patrol Hut | Tel: (604) 938-7661 Fax: (604) 938-7532 | |
| Premises Address 4545 Blackcomb Way Whistler, BC V0N 1B4 | Inspection Date April 25, 2018 | Time Spent 1 hour |
| Operator (Person in Charge) Natai Perdue | | |
| Inspection Type Evaluation | | |

| |
|-----------------------------------|
| Observed Violations |
| There are no observed violations. |

| |
|------------------------|
| Section Details |
| |

| |
|--|
| Comments This is a 2017 year end summary inspection report for the Patrol Hut water system on Blackcomb Mountain. The water system is supplied by water from the Jersey Cream water system via a permitted water hauling unit to a storage reservoir. The water is then treated with sedimentation filters and UV disinfection equipment. The Operating Permit for this Drinking Water system contains the following conditions: Review and update the Emergency Response Plan annually Prepare a Cross Connection Control Plan Water hauling procedures must meet VCH Bulk Water Hauling Guidelines Monitor for E. Coli and Total Coliform semi monthly and in accordance with monitoring plan. A 2017 water monitoring plan schedule has been provided. A total of 13 samples were collected from the distribution system, which would exceed the frequency listed as a condition of the Operating Permit as semi-monthly. The 2017 sample range report indicates bacteriological monitoring results are in accordance with the potable water quality standards of the BC Drinking Water Protection Regulation. Annual Reports for this system have been submitted in a timely manner, and the 2016 annual report has been provided. The 2017 Annual Report is due on June 30th, 2018. Please update your Emergency Response plan to include the current list of VCH contacts provided with this report. |
|--|

| |
|---|
| Hazard Rating For Your Facility: <input type="checkbox"/> High <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Low |
|---|

| |
|---|
| DWO |
| DWO Printed Name James Whalen |

Sample Range Report

Vancouver Coastal Health

Facility Name: Blackcomb Mountain -- Patrol Hut

Date Range: Jan 1 2017 to Dec 31 2017

Operator Natai Perdue
 4545 Blackcomb Way
 Whistler, BC V0N 1B4

| Sampling Site | Date Collected | Total Coliform | E. Coli | Fecal Coliform |
|---|-------------------------|----------------|-----------|----------------|
| <u>Blackcomb Patrol Hut, Blackcomb Mountain</u> | | | | |
| | 1/3/2017 | L1 | L1 | |
| | 2/14/2017 | L1 | L1 | |
| | 2/28/2017 | L1 | L1 | |
| | 3/15/2017 | L1 | L1 | |
| | 3/29/2017 | L1 | L1 | |
| | 4/11/2017 | L1 | L1 | |
| | 4/25/2017 | L1 | L1 | |
| | 5/9/2017 | L1 | L1 | |
| | 5/23/2017 | L1 | L1 | |
| | 6/12/2017 | L1 | L1 | |
| | 6/20/2017 | L1 | L1 | |
| | 7/5/2017 | L1 | L1 | |
| | 12/18/2017 | <u>L1</u> | <u>L1</u> | |
| | Total Positive : | 0 | 0 | |

| Result Values: | E - estimated | L - less than | G - greater than |
|--|---------------|---------------|------------------|
| Samples that contain total coliform: | 0 | | 0.00% of total |
| Samples that contain e. coli: | 0 | | 0.00% of total |
| Samples that contain fecal coliform: | 0 | | 0.00% of total |
| Number of consecutive samples that contain total coliform: | 0 | | |
| Number of samples that contain total coliform in last 30 days: | 0/0 | | |
| Total number of samples: | 13 | | |

Comments:

 Environmental Health Officer
 Jun 5 2018

FOR FURTHER INFORMATION PLEASE CALL: James Whalen (604) 932-3202



WATER FACILITY EVALUATION REPORT

Health Protection

| | | |
|---|-----------------------------------|----------------------|
| Premises Name Blackcomb Mountain - Water Hauling Unit | Tel: Fax: | |
| Premises Address 4545 Blackcomb Way Whistler, BC V0N 1B4 | Inspection Date April 25, 2018 | Time Spent 1 hour |
| Operator (Person in Charge) Na Tai Perdue | | |
| Inspection Type Evaluation | | |

| |
|-----------------------------------|
| Observed Violations |
| There are no observed violations. |

| |
|------------------------|
| Section Details |
| |

| |
|--|
| Comments This is a 2017 evaluation for the Water Hauling Unit that services the Hortsman and Patrol Huts. The Water Hauling Unit is permitted in accordance with the VCH Water Hauling Guideline. The Operating Permit for this Drinking Water system contains the following conditions: Approved for potable water delivery only. Review and update the Emergency Response Plan annually. Water hauling limited from Jersey Cream Water Supply System to Horstman Hut and Patrol Hut on Blackcomb Mountain. Provide an operation and maintenance manual A 2017 water monitoring plan schedule has been provided. Sampling of the end point of the water hauling (i.e. Horstman and Patrol huts) serves as a validation of the transport process for this water hauling unit. Annual Reports for this system have been submitted in a timely manner, and the 2016 annual report has been provided. The 2017 Annual Report is due on June 30th, 2018. Please update your Emergency Response plan to include the current list of VCH contacts provided with this report. |
|--|

| |
|---|
| Action Taken |
| <input checked="" type="checkbox"/> Information Exchanged |

| |
|---|
| Hazard Rating For Your Facility: <input type="checkbox"/> High <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Low |
|---|

| |
|---|
| DWO |
| DWO Printed Name James Whalen |



WATER FACILITY EVALUATION REPORT

Health Protection

| | | |
|--|--|----------------------|
| Premises Name Whistler Mountain - Children's Learning Center | Tel: (604) 938-7661 Fax: (604) 938-7532 | |
| Premises Address 4545 Blackcomb Way Whistler, BC V0N 1B4 | Inspection Date April 24, 2018 | Time Spent 1 hour |
| Operator (Person in Charge) Na Tai Perdue | | |
| Inspection Type Evaluation | | |

| |
|-----------------------------------|
| Observed Violations |
| There are no observed violations. |

| |
|------------------------|
| Section Details |
| |

| |
|--|
| Comments This is a 2017 year end inspection summary report for the Children's Learning water system on Whistler Mountain. The system services The Children's Learning Center, the Olympic Station, The Adaptive Learning Center and the Food Premises. The Operating Permit for this Drinking Water system contains the following conditions: Monitor for E. Coli and Total Coliform semi monthly and in accordance with water quality monitoring plan Provide a free available chlorine residual throughout the distribution system. Review and update the Emergency Response Plan annually. Prepare a Cross Connection Control Plan A chemical analysis of the well source water was conducted in December 2017. All results are below the Operational Guidelines, Maximum Acceptable Concentrations and Aesthetic Objectives of the Canadian Drinking Water Guidelines. A 2017 water monitoring plan schedule has been provided. A total of 47 samples were collected from the distribution system, which would exceed the frequency listed as a condition of the Operating Permit as semi-monthly for each of the 2 sample sites. The 2017 sample range report indicates bacteriological monitoring results are in accordance with the potable water quality standards of the BC Drinking Water Protection Regulation. Annual Reports for this system have been submitted in a timely manner, and the 2016 annual report has been completed. The 2017 Annual Report is due on June 30th, 2018. The Emergency Response plan is regularly updated. Please update your Emergency Response plan to include the current list of VCH contacts provided with this report. |
|--|

| |
|---|
| Action Taken |
| <input checked="" type="checkbox"/> Information Exchanged |

| |
|---|
| Hazard Rating For Your Facility: <input type="checkbox"/> High <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Low |
|---|

| |
|-----|
| DWO |
|-----|

DWO Printed Name
James Whalen

Sample Range Report

Vancouver Coastal Health

Facility Name: Whistler Mountain - Children's Learning Center

Date Range: Jan 1 2017 to Dec 31 2017

Operator Na Tai Perdue
4545 Blackcomb Way
Whistler, BC V0N 1B4

| <u>Sampling Site</u> | <u>Date Collected</u> | <u>Total Coliform</u> | <u>E. Coli</u> | <u>Fecal Coliform</u> |
|--------------------------------|-------------------------|-----------------------|----------------|-----------------------|
| <u>Olympic Station,</u> | | | | |
| <u>Whistler Mountain</u> | | | | |
| | 1/3/2017 | L1 | L1 | |
| | 1/17/2017 | L1 | L1 | |
| | 1/31/2017 | L1 | L1 | |
| | 2/14/2017 | L1 | L1 | |
| | 2/28/2017 | L1 | L1 | |
| | 3/14/2017 | L1 | L1 | |
| | 3/28/2017 | L1 | L1 | |
| | 4/11/2017 | L1 | L1 | |
| | 4/25/2017 | L1 | L1 | |
| | 5/10/2017 | L1 | L1 | |
| | 5/24/2017 | L1 | L1 | |
| | 6/6/2017 | L1 | L1 | |
| | 7/4/2017 | L1 | L1 | |
| | 7/17/2017 | L1 | L1 | |
| | 7/31/2017 | L1 | L1 | |
| | 8/14/2017 | L1 | L1 | |
| | 8/29/2017 | L1 | L1 | |
| | 9/11/2017 | L1 | L1 | |
| | 9/26/2017 | L1 | L1 | |
| | 10/24/2017 | L1 | L1 | |
| | 11/20/2017 | T | | |
| | 12/5/2017 | L1 | L1 | |
| | 12/18/2017 | <u>L1</u> | <u>L1</u> | |
| | Total Positive : | 0 | 0 | |
| <u>Children's Learning</u> | | | | |
| <u>Center, Whistler</u> | | | | |
| <u>Mountain</u> | | | | |
| | 1/3/2017 | L1 | L1 | |
| | 1/17/2017 | L1 | L1 | |
| | 1/31/2017 | L1 | L1 | |
| | 2/14/2017 | L1 | L1 | |
| | 2/28/2017 | L1 | L1 | |
| | 3/14/2017 | L1 | L1 | |
| | 3/28/2017 | L1 | L1 | |
| | 4/11/2017 | L1 | L1 | |
| | 5/24/2017 | L1 | L1 | |
| | 6/7/2017 | L1 | L1 | |

| | | |
|-------------------------|-----------|-----------|
| 6/20/2017 | L1 | L1 |
| 6/20/2017 | L1 | L1 |
| 7/4/2017 | L1 | L1 |
| 7/17/2017 | L1 | L1 |
| 7/31/2017 | L1 | L1 |
| 8/14/2017 | L1 | L1 |
| 8/29/2017 | L1 | L1 |
| 9/11/2017 | L1 | L1 |
| 9/26/2017 | L1 | L1 |
| 10/24/2017 | L1 | L1 |
| 11/7/2017 | L1 | L1 |
| 11/20/2017 | T | |
| 12/5/2017 | L1 | L1 |
| 12/18/2017 | <u>L1</u> | <u>L1</u> |
| Total Positive : | 0 | 0 |

Result Values: **E - estimated** **L - less than** **G - greater than**

| | | | |
|--|-----|--|----------------|
| Samples that contain total coliform: | 0 | | 0.00% of total |
| Samples that contain e. coli: | 0 | | 0.00% of total |
| Samples that contain fecal coliform: | 0 | | 0.00% of total |
| Number of consecutive samples that contain total coliform: | 0 | | |
| Number of samples that contain total coliform in last 30 days: | 0/0 | | |
| Total number of samples: | 47 | | |

Comments:

Environmental Health Officer
Apr 24 2018

FOR FURTHER INFORMATION PLEASE CALL: James Whalen (604) 932-3202

Report Transmission Cover Page

Bill To: Whistler Blackcomb Holdings Inc. Project ID: Lot ID: **1242552**
4545 Blackcomb Way Project Name: CLC Well Control Number:
Whistler, BC, Canada Project Location: Date Received: Dec 1, 2017
VON 1B4 LSD: Date Reported: Dec 6, 2017
Attn: Accounts Payable P.O.: 683957 Report Number: 2248007
Sampled By: Proj. Acct. code:
Company:

| Contact | Company | Address |
|-------------------------|---|---|
| Accounts Payable | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC VON 1B4 Phone: (604) 932-3141 Fax: (604) 932-0416 Email: apinvoice@vailresorts.com |
| <u>Delivery</u> | <u>Format</u> | <u>Deliverables</u> |
| Email - Single Report | PDF | Invoice |
| NaTai Perdue | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC VON 1B4 Phone: (604) 938-7593 Fax: (604) 938-7532 Email: nperdue@vailresorts.com |
| <u>Delivery</u> | <u>Format</u> | <u>Deliverables</u> |
| Email - Single Report | PDF | COA |
| Email - Single Report | PDF | Invoice |
| Email - Single Report | PDF | Test Report |

Notes To Clients:

- Dec 06, 2017 - The analysis of water sample 1242552-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the February 2017 Guidelines for Canadian Drinking Water Quality for the parameters tested.

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Analytical Report

| | | |
|---|------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: CLC Well | Lot ID: 1242552 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248007 |
| Sampled By: | | |
| Company: | | |

| | |
|---------------------------|-------------------|
| Reference Number | 1242552-1 |
| Sample Date | November 30, 2017 |
| Sample Time | 11:30 |
| Sample Location | |
| Sample Description | CLC Well / 5.0 °C |
| Sample Matrix | Drinking Water |

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments | |
|--|------------------------|----------------|-------------------------|-----------------|--------------------|--------------|
| Metals Extractable | | | | | | |
| Aluminum | Extractable mg/L | <0.001 | 0.001 | 0.1 | Below OG | |
| Antimony | Extractable mg/L | <0.00002 | 0.00002 | 0.006 | Below MAC | |
| Arsenic | Extractable mg/L | 0.0002 | 0.0001 | 0.010 | Below MAC | |
| Barium | Extractable mg/L | 0.0137 | 0.0001 | 1 | Below MAC | |
| Boron | Extractable mg/L | 0.002 | 0.002 | 5 | Below MAC | |
| Cadmium | Extractable mg/L | 0.00002 | 0.00001 | 0.005 | Below MAC | |
| Chromium | Extractable mg/L | <0.00005 | 0.00005 | 0.05 | Below MAC | |
| Copper | Extractable mg/L | 0.0007 | 0.0005 | 1.0 | Below AO | |
| Lead | Extractable mg/L | 0.00011 | 0.00001 | 0.01 | Below MAC | |
| Selenium | Extractable mg/L | 0.0002 | 0.0002 | 0.05 | Below MAC | |
| Uranium | Extractable mg/L | 0.00007 | 0.00001 | 0.02 | Below MAC | |
| Vanadium | Extractable mg/L | <0.00005 | 0.00005 | | | |
| Zinc | Extractable mg/L | 0.0017 | 0.0005 | 5.0 | Below AO | |
| Microbiological Analysis | | | | | | |
| Total Coliforms | Enzyme Substrate Test | MPN/100 mL | <1.0 | 1.0 | 0 per 100 mL | Below MAC |
| Escherichia coli | Enzyme Substrate Test | MPN/100 mL | <1.0 | 1.0 | 0 per 100 mL | Below MAC |
| Physical and Aggregate Properties | | | | | | |
| Colour | True | Colour units | <5 | 5 | | |
| Turbidity | | NTU | 0.16 | 0.05 | | |
| Routine Water | | | | | | |
| pH - Holding Time | | | Exceeded | | | |
| pH | at 25 °C | | 7.80 | | 7.0-10.5 | Within Range |
| Electrical Conductivity | | µS/cm at 25 °C | 261 | 1 | | |
| Calcium | Extractable | mg/L | 52 | 0.01 | | |
| Iron | Extractable | mg/L | 0.018 | 0.004 | 0.3 | Below AO |
| Magnesium | Extractable | mg/L | 0.97 | 0.02 | | |
| Manganese | Extractable | mg/L | <0.001 | 0.001 | 0.05 | Below AO |
| Potassium | Extractable | mg/L | 0.51 | 0.04 | | |
| Silicon | Extractable | mg/L | 3.8 | 0.005 | | |
| Sodium | Extractable | mg/L | 1.7 | 0.1 | 200 | Below AO |
| T-Alkalinity | as CaCO3 | mg/L | 111 | 5 | | |
| Chloride | Dissolved | mg/L | 0.63 | 0.05 | 250 | Below AO |
| Fluoride | Dissolved | mg/L | 0.02 | 0.01 | 1.5 | Below MAC |
| Nitrate - N | Dissolved | mg/L | 0.07 | 0.01 | 10 | Below MAC |
| Nitrite - N | Dissolved | mg/L | <0.01 | 0.01 | 1 | Below MAC |
| Sulfate (SO4) | Dissolved | mg/L | 25.1 | 0.1 | 500 | Below AO |
| Hardness | as CaCO3 (extractable) | mg/L | 130 | 1 | | |

Analytical Report

| | | |
|---|------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: CLC Well | Lot ID: 1242552 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248007 |
| Sampled By: | | |
| Company: | | |

| | |
|---------------------------|-------------------|
| Reference Number | 1242552-1 |
| Sample Date | November 30, 2017 |
| Sample Time | 11:30 |
| Sample Location | |
| Sample Description | CLC Well / 5.0 °C |
| Sample Matrix | Drinking Water |

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments |
|----------------------------------|-------------|--------|-------------------------|-----------------|--------------------|
| Routine Water - Continued | | | | | |
| Total Dissolved Solids | Extractable | mg/L | 158 | 1 | |

Approved by: 
Mathieu Simoneau
Operations Manager

Data have been validated by Analytical Quality Control and Exova's Integrated Data Validation System (IDVS).

Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.

Methodology and Notes

| | |
|---|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Lot ID: 1242552 |
| 4545 Blackcomb Way | Control Number: |
| Whistler, BC, Canada | Date Received: Dec 1, 2017 |
| VON 1B4 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Report Number: 2248007 |
| Sampled By: | |
| Company: | |

Method of Analysis

| Method Name | Reference | Method | Date Analysis Started | Location |
|--|-----------|---|-----------------------|--------------|
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Alkalinity - Titration Method, 2320 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Conductivity, 2510 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * pH - Electrometric Method, 4500-H+ B | Dec 2, 2017 | Exova Surrey |
| Anions by IEC in water (Surrey) | APHA | * Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B | Dec 1, 2017 | Exova Surrey |
| Metals SemiTrace (Extractable) in water (Surrey) | US EPA | * Metals & Trace Elements by ICP-AES, 6010C | Dec 1, 2017 | Exova Surrey |
| Total and E-Coli - Colilert - DW (Surrey) | APHA | Enzyme Substrate Test, APHA 9223 B | Dec 1, 2017 | Exova Surrey |
| Trace Metals (extractable) in Water (Surrey) | US EPA | * Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8 | Dec 1, 2017 | Exova Surrey |
| True Color in water (Surrey) | APHA | * Spectrophotometric - Single Wavelength Method, 2120 C | Dec 2, 2017 | Exova Surrey |
| Turbidity - Water (Surrey) | APHA | * Turbidity - Nephelometric Method, 2130 B | Dec 1, 2017 | Exova Surrey |

* Reference Method Modified

References

APHA Standard Methods for the Examination of Water and Wastewater
US EPA US Environmental Protection Agency Test Methods

Guidelines

Guideline Description Health Canada GCDWQ
Guideline Source Guidelines for Canadian Drinking Water Quality, Health Canada, February 2017
Guideline Comments MAC = Maximum Acceptable Concentration
AO = Aesthetic Objective
OG = Operational Guideline for Water Treatment Plants
Refer to Health Canada GCDWQ for complete guidelines and additional drinking water information at www.hc-sc.gc.ca

Comments:

- Dec 06, 2017 - The analysis of water sample 1242552-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the February 2017 Guidelines for Canadian Drinking Water Quality for the parameters tested.

The comparison of test results to guideline limits is provided for information purposes only. This is not to be taken as a statement of conformance / nonconformance to any guideline, regulation or limit. The data user is responsible for all conclusions drawn with respect to the data and is advised to consult official regulatory references when evaluating compliance.

Please direct any inquiries regarding this report to our Client Services Group or to the Operations Manager at the coordinates indicated at the top left of this page.

Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.



WATER FACILITY EVALUATION REPORT

Health Protection

| | | |
|--|--|----------------------|
| Premises Name Whistler Mountain - Chic Pea | Tel: (604) 938-7593 Fax: (604) 938-7532 | |
| Premises Address 4545 Blackcomb Way Whistler, BC V0N 1B4 | Inspection Date April 24, 2018 | Time Spent 1 hour |
| Operator (Person in Charge) Na Tai Perdue | | |
| Inspection Type Evaluation | | |

| |
|-----------------------------------|
| Observed Violations |
| There are no observed violations. |

| |
|------------------------|
| Section Details |
| |

| |
|---|
| Comments This is a year end summary report for the Chic Pea water system. This system services the Chic Pea food premises on Whistler Mountain. A non potable water system services the toilets. The Operating Permit for the Drinking Water system contains the following conditions: Maintain a free chlorine residual throughout the distribution system Monitor for E. Coli and Total Coliform semi monthly and in accordance with water quality monitoring plan Review and update the Emergency Response Plan annually. Monitor cross connection control program for potable and not potable water systems in Chic Pea. A chemical analysis of the well source water was conducted in December 2017. All results are below the Operational Guidelines, Maximum Acceptable Concentrations and Aesthetic Objectives of the Canadian Drinking Water Guidelines with the exception of Iron, which was above the aesthetic objective. A 2017 water monitoring plan schedule has been provided. A total of 16 samples were collected from the distribution system, which exceeds the frequency listed as a condition of the Operating Permit as semi-monthly. The 2017 sample range report indicates bacteriological monitoring results are all potable in accordance with the potable water quality standard of the BC Drinking Water Protection Regulation. Annual Reports for this system have been submitted in a timely manner, and the 2016 annual report has been provided. The 2017 Annual Report is due on June 30th, 2018. Please update your Emergency Response plan to include the current list of VCH contacts provided with this report. |
|---|

| |
|---|
| Action Taken |
| <input checked="" type="checkbox"/> Information Exchanged |

| |
|---|
| Hazard Rating For Your Facility: <input type="checkbox"/> High <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Low |
|---|

| |
|---|
| DWO |
| DWO Printed Name James Whalen |

Sample Range Report

Vancouver Coastal Health

Facility Name: Whistler Mountain - Chic Pea

Date Range: Jan 1 2017 to Dec 31 2017

Operator Na Tai Perdue
4545 Blackcomb Way
Whistler, BC V0N 1B4

| Sampling Site | Date Collected | Total Coliform | E. Coli | Fecal Coliform |
|-----------------------------|-------------------------|----------------|-----------|----------------|
| <u>Chic Pea</u> | | | | |
| <u>Restaurant, Whistler</u> | | | | |
| <u>Mountain</u> | | | | |
| | 17/01/2017 | L1 | L1 | |
| | 31/01/2017 | L1 | L1 | |
| | 14/02/2017 | L1 | L1 | |
| | 28/02/2017 | L1 | L1 | |
| | 14/03/2017 | L1 | L1 | |
| | 28/03/2017 | L1 | L1 | |
| | 11/04/2017 | L1 | L1 | |
| | 12/06/2017 | L1 | L1 | |
| | 17/07/2017 | L1 | L1 | |
| | 31/07/2017 | L1 | L1 | |
| | 14/08/2017 | L1 | L1 | |
| | 29/08/2017 | L1 | L1 | |
| | 12/09/2017 | L1 | L1 | |
| | 24/10/2017 | L1 | L1 | |
| | 20/11/2017 | T | | |
| | 18/12/2017 | <u>L1</u> | <u>L1</u> | |
| | Total Positive : | 0 | 0 | |

Result Values: **E - estimated** **L - less than** **G - greater than**

| | | | |
|--|-----|--|----------------|
| Samples that contain total coliform: | 0 | | 0.00% of total |
| Samples that contain e. coli: | 0 | | 0.00% of total |
| Samples that contain fecal coliform: | 0 | | 0.00% of total |
| Number of consecutive samples that contain total coliform: | 0 | | |
| Number of samples that contain total coliform in last 30 days: | 0/0 | | |
| Total number of samples: | 16 | | |

Comments:

Environmental Health Officer
Apr 24 2018

FOR FURTHER INFORMATION PLEASE CALL: Cindy Watson (604) 892-2293

Report Transmission Cover Page

| | | |
|---|-----------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: Chic Pea Well | Lot ID: 1242549 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248002 |
| Sampled By: | | |
| Company: | | |

| Contact | Company | Address |
|-------------------------|---|---|
| Accounts Payable | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC V0N 1B4 Phone: (604) 932-3141 Fax: (604) 932-0416 Email: apinvoice@vailresorts.com |

| Delivery | Format | Deliverables |
|-----------------------|--------|--------------|
| Email - Single Report | PDF | Invoice |

| Contact | Company | Address |
|---------------------|---|---|
| NaTai Perdue | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC V0N 1B4 Phone: (604) 938-7593 Fax: (604) 938-7532 Email: nperdue@vailresorts.com |

| Delivery | Format | Deliverables |
|-----------------------|--------|--------------|
| Email - Single Report | PDF | COA |
| Email - Single Report | PDF | Invoice |
| Email - Single Report | PDF | Test Report |

Notes To Clients:

- Dec 06, 2017 - The analysis of water sample 1242549-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the February 2017 Guidelines for Canadian Drinking Water Quality for the parameters tested.

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Analytical Report

| | | |
|---|-----------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: Chic Pea Well | Lot ID: 1242549 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248002 |
| Sampled By: | | |
| Company: | | |

| | |
|---------------------------|------------------------|
| Reference Number | 1242549-1 |
| Sample Date | November 30, 2017 |
| Sample Time | 10:30 |
| Sample Location | |
| Sample Description | Chic Pea Well / 5.0 °C |
| Sample Matrix | Drinking Water |

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments | |
|--|------------------------|----------------|-------------------------|-----------------|--------------------|--------------|
| Metals Extractable | | | | | | |
| Aluminum | Extractable mg/L | 0.033 | 0.001 | 0.1 | Below OG | |
| Antimony | Extractable mg/L | <0.00002 | 0.00002 | 0.006 | Below MAC | |
| Arsenic | Extractable mg/L | 0.0005 | 0.0001 | 0.010 | Below MAC | |
| Barium | Extractable mg/L | 0.0003 | 0.0001 | 1 | Below MAC | |
| Boron | Extractable mg/L | <0.002 | 0.002 | 5 | Below MAC | |
| Cadmium | Extractable mg/L | <0.00001 | 0.00001 | 0.005 | Below MAC | |
| Chromium | Extractable mg/L | <0.00005 | 0.00005 | 0.05 | Below MAC | |
| Copper | Extractable mg/L | 0.0008 | 0.0005 | 1.0 | Below AO | |
| Lead | Extractable mg/L | 0.00018 | 0.00001 | 0.01 | Below MAC | |
| Selenium | Extractable mg/L | <0.0002 | 0.0002 | 0.05 | Below MAC | |
| Uranium | Extractable mg/L | 0.00001 | 0.00001 | 0.02 | Below MAC | |
| Vanadium | Extractable mg/L | <0.00005 | 0.00005 | | | |
| Zinc | Extractable mg/L | 0.0028 | 0.0005 | 5.0 | Below AO | |
| Microbiological Analysis | | | | | | |
| Total Coliforms | Enzyme Substrate Test | MPN/100 mL | <1.0 | 1.0 | 0 per 100 mL | Below MAC |
| Escherichia coli | Enzyme Substrate Test | MPN/100 mL | <1.0 | 1.0 | 0 per 100 mL | Below MAC |
| Physical and Aggregate Properties | | | | | | |
| Colour | True | Colour units | <5 | 5 | | |
| Turbidity | | NTU | 8.4 | 0.05 | | |
| Routine Water | | | | | | |
| pH - Holding Time | | | Exceeded | | | |
| pH | at 25 °C | | 7.85 | | 7.0-10.5 | Within Range |
| Electrical Conductivity | | µS/cm at 25 °C | 295 | 1 | | |
| Calcium | Extractable | mg/L | 60 | 0.01 | | |
| Iron | Extractable | mg/L | 0.53 | 0.004 | 0.3 | Above AO |
| Magnesium | Extractable | mg/L | 0.97 | 0.02 | | |
| Manganese | Extractable | mg/L | 0.012 | 0.001 | 0.05 | Below AO |
| Potassium | Extractable | mg/L | 0.17 | 0.04 | | |
| Silicon | Extractable | mg/L | 4.1 | 0.005 | | |
| Sodium | Extractable | mg/L | 2.9 | 0.1 | 200 | Below AO |
| T-Alkalinity | as CaCO3 | mg/L | 83 | 5 | | |
| Chloride | Dissolved | mg/L | 5.18 | 0.05 | 250 | Below AO |
| Fluoride | Dissolved | mg/L | 0.05 | 0.01 | 1.5 | Below MAC |
| Nitrate - N | Dissolved | mg/L | 0.01 | 0.01 | 10 | Below MAC |
| Nitrite - N | Dissolved | mg/L | <0.01 | 0.01 | 1 | Below MAC |
| Sulfate (SO4) | Dissolved | mg/L | 63.9 | 0.1 | 500 | Below AO |
| Hardness | as CaCO3 (extractable) | mg/L | 150 | 1 | | |

Analytical Report

Bill To: Whistler Blackcomb Holdings Inc. Project ID: Lot ID: **1242549**
4545 Blackcomb Way Project Name: Chic Pea Well Control Number:
Whistler, BC, Canada Project Location: Date Received: Dec 1, 2017
VON 1B4 LSD: Date Reported: Dec 6, 2017
Attn: Accounts Payable P.O.: 683957 Report Number: 2248002
Sampled By: Proj. Acct. code:
Company:

Reference Number 1242549-1
Sample Date November 30, 2017
Sample Time 10:30
Sample Location
Sample Description Chic Pea Well / 5.0 °C
Sample Matrix Drinking Water

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments |
|----------------------------------|-------------|--------|-------------------------|-----------------|--------------------|
| Routine Water - Continued | | | | | |
| Total Dissolved Solids | Extractable | mg/L | 194 | 1 | |

Approved by: 
Mathieu Simoneau
Operations Manager

Data have been validated by Analytical Quality Control and Exova's Integrated Data Validation System (IDVS).

Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.

Methodology and Notes

Bill To: Whistler Blackcomb Holdings Inc. Project ID: Lot ID: **1242549**
4545 Blackcomb Way Project Name: Chic Pea Well Control Number:
Whistler, BC, Canada Project Location: Date Received: Dec 1, 2017
VON 1B4 LSD: Date Reported: Dec 6, 2017
Attn: Accounts Payable P.O.: 683957 Report Number: 2248002
Sampled By: Proj. Acct. code:
Company:

Method of Analysis

| Method Name | Reference | Method | Date Analysis Started | Location |
|--|-----------|---|-----------------------|--------------|
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Alkalinity - Titration Method, 2320 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Conductivity, 2510 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * pH - Electrometric Method, 4500-H+ B | Dec 2, 2017 | Exova Surrey |
| Anions by IEC in water (Surrey) | APHA | * Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B | Dec 1, 2017 | Exova Surrey |
| Metals SemiTrace (Extractable) in water (Surrey) | US EPA | * Metals & Trace Elements by ICP-AES, 6010C | Dec 1, 2017 | Exova Surrey |
| Total and E-Coli - Colilert - DW (Surrey) | APHA | Enzyme Substrate Test, APHA 9223 B | Dec 1, 2017 | Exova Surrey |
| Trace Metals (extractable) in Water (Surrey) | US EPA | * Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8 | Dec 1, 2017 | Exova Surrey |
| True Color in water (Surrey) | APHA | * Spectrophotometric - Single Wavelength Method, 2120 C | Dec 2, 2017 | Exova Surrey |
| Turbidity - Water (Surrey) | APHA | * Turbidity - Nephelometric Method, 2130 B | Dec 1, 2017 | Exova Surrey |

* Reference Method Modified

References

APHA Standard Methods for the Examination of Water and Wastewater
US EPA US Environmental Protection Agency Test Methods

Guidelines

Guideline Description Health Canada GCDWQ
Guideline Source Guidelines for Canadian Drinking Water Quality, Health Canada, February 2017
Guideline Comments MAC = Maximum Acceptable Concentration
AO = Aesthetic Objective
OG = Operational Guideline for Water Treatment Plants
Refer to Health Canada GCDWQ for complete guidelines and additional drinking water information at www.hc-sc.gc.ca

Comments:

- Dec 06, 2017 - The analysis of water sample 1242549-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the February 2017 Guidelines for Canadian Drinking Water Quality for the parameters tested.

The comparison of test results to guideline limits is provided for information purposes only. This is not to be taken as a statement of conformance / nonconformance to any guideline, regulation or limit. The data user is responsible for all conclusions drawn with respect to the data and is advised to consult official regulatory references when evaluating compliance.

Please direct any inquiries regarding this report to our Client Services Group or to the Operations Manager at the coordinates indicated at the top left of this page.

Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.



WATER FACILITY EVALUATION REPORT

Health Protection

| | |
|--|--|
| Premises Name Whistler Mountain - Roundhouse Lodge | Tel: (604) 938-7661 Fax: (604) 938-7532 |
| Premises Address 4545 Blackcomb Way Whistler, BC V0N 1B4 | Inspection Date April 24, 2018 |
| Operator (Person in Charge) Na Tai Perdue | Time Spent 1 hour |
| Inspection Type Evaluation | |

| |
|-----------------------------------|
| Observed Violations |
| There are no observed violations. |

| |
|------------------------|
| Section Details |
| |

| |
|---|
| Comments |
| <p>This is a 2017 year end summary inspection report for the Roundhouse Lodge water system. The system services the Roundhouse Lodge and Alpine Shop on Whistler Mountain. The sources supplying the water system are wells 1,4, and 5.</p> <p>The Operating Permit for this Drinking Water system contains the following conditions:</p> <p>Monitor for E. Coli and Total Coliform semi monthly and in accordance with monitoring plan Review and update the Emergency Response Plan annually. Prepare a Cross Connection Control Plan</p> <p>A chemical analysis of the well source water was conducted in December 2017. Chemical results are below the Operational Guidelines, Maximum Acceptable Concentrations and Aesthetic Objectives of the Canadian Drinking Water Guidelines. A 2017 water monitoring plan schedule has been submitted. A total of 52 samples were collected from the distribution system, which would exceed the frequency listed as a condition of the Operating Permit as semi-monthly for each of the 2 sample sites based on 12 months of operation. The 2017 sample range report indicates bacteriological monitoring results are in accordance with the potable water quality standards of the BC Drinking Water Protection Regulation.</p> <p>Annual Reports for this system have been submitted in a timely manner, a copy of the 2016 annual report has been completed. The 2017 Annual Report is due on June 30th, 2018.</p> <p>The Emergency Response Plan is complete and up to date. Please update your Emergency Response plan to include the current list of VCH contacts provided with this report.</p> |

| |
|---|
| Action Taken |
| <input checked="" type="checkbox"/> Information Exchanged |

| |
|---|
| Hazard Rating For Your Facility: <input type="checkbox"/> High <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Low |
|---|

| |
|------------------|
| DWO |
| DWO Printed Name |

Sample Range Report

Vancouver Coastal Health

Facility Name: Whistler Mountain - Roundhouse Lodge

Date Range: Jan 1 2017 to Dec 31 2017

Operator Na Tai Perdue
4545 Blackcomb Way
Whistler, BC V0N 1B4

| Sampling Site | Date Collected | Total Coliform | E. Coli | Fecal Coliform |
|-----------------------------|-------------------------|----------------|-----------|----------------|
| <u>Roundhouse</u> | | | | |
| <u>Restaurant, Whistler</u> | | | | |
| <u>Mountain</u> | | | | |
| | 1/3/2017 | L1 | L1 | |
| | 1/17/2017 | L1 | L1 | |
| | 1/31/2017 | L1 | L1 | |
| | 2/14/2017 | L1 | L1 | |
| | 2/28/2017 | L1 | L1 | |
| | 3/14/2017 | L1 | L1 | |
| | 3/28/2017 | L1 | L1 | |
| | 4/11/2017 | L1 | L1 | |
| | 4/25/2017 | L1 | L1 | |
| | 5/10/2017 | L1 | L1 | |
| | 5/24/2017 | L1 | L1 | |
| | 6/6/2017 | L1 | L1 | |
| | 7/4/2017 | L1 | L1 | |
| | 7/17/2017 | L1 | L1 | |
| | 7/31/2017 | L1 | L1 | |
| | 8/14/2017 | L1 | L1 | |
| | 8/29/2017 | L1 | L1 | |
| | 9/12/2017 | L1 | L1 | |
| | 9/26/2017 | L1 | L1 | |
| | 10/11/2017 | L1 | L1 | |
| | 10/24/2017 | L1 | L1 | |
| | 11/7/2017 | L1 | L1 | |
| | 11/20/2017 | T | | |
| | 12/4/2017 | L1 | L1 | |
| | 12/18/2017 | <u>L1</u> | <u>L1</u> | |
| | Total Positive : | 0 | 0 | |
| | | | | |
| <u>Prep Kitchen,</u> | | | | |
| <u>Whistler Mountain</u> | | | | |
| | 6/20/2017 | L1 | L1 | |
| | 6/20/2017 | <u>L1</u> | <u>L1</u> | |
| | Total Positive : | 0 | 0 | |
| | | | | |
| <u>Whistler Alpine</u> | | | | |
| <u>Shop, Whistler</u> | | | | |
| <u>Mountain</u> | | | | |

| | | |
|-------------------------|-----------|-----------|
| 1/3/2017 | L1 | L1 |
| 1/17/2017 | L1 | L1 |
| 1/31/2017 | L1 | L1 |
| 2/14/2017 | L1 | L1 |
| 2/28/2017 | L1 | L1 |
| 3/14/2017 | L1 | L1 |
| 3/28/2017 | L1 | L1 |
| 4/11/2017 | L1 | L1 |
| 4/25/2017 | L1 | L1 |
| 5/10/2017 | L1 | L1 |
| 5/24/2017 | L1 | L1 |
| 6/6/2017 | L1 | L1 |
| 7/4/2017 | L1 | L1 |
| 7/17/2017 | L1 | L1 |
| 7/31/2017 | L1 | L1 |
| 8/14/2017 | L1 | L1 |
| 8/29/2017 | L1 | L1 |
| 9/12/2017 | L1 | L1 |
| 9/26/2017 | L1 | L1 |
| 10/11/2017 | L1 | L1 |
| 10/24/2017 | L1 | L1 |
| 11/7/2017 | L1 | L1 |
| 11/20/2017 | T | |
| 12/4/2017 | L1 | L1 |
| 12/18/2017 | <u>L1</u> | <u>L1</u> |
| Total Positive : | 0 | 0 |

Result Values: **E - estimated** **L - less than** **G - greater than**

| | | |
|--|-----|----------------|
| Samples that contain total coliform: | 0 | 0.00% of total |
| Samples that contain e. coli: | 0 | 0.00% of total |
| Samples that contain fecal coliform: | 0 | 0.00% of total |
| Number of consecutive samples that contain total coliform: | 0 | |
| Number of samples that contain total coliform in last 30 days: | 0/0 | |
| Total number of samples: | 52 | |

Comments:

Environmental Health Officer
Apr 24 2018

FOR FURTHER INFORMATION PLEASE CALL: James Whalen (604) 932-3202

Report Transmission Cover Page

| | | |
|---|----------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: RHL Well # 1 | Lot ID: 1242548 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248001 |
| Sampled By: | | |
| Company: | | |

| Contact | Company | Address |
|-------------------------|---|---|
| Accounts Payable | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC V0N 1B4 Phone: (604) 932-3141 Fax: (604) 932-0416 Email: apinvoice@vailresorts.com |

| Delivery | Format | Deliverables |
|-----------------------|--------|--------------|
| Email - Single Report | PDF | Invoice |

| Contact | Company | Address |
|---------------------|---|---|
| NaTai Perdue | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC V0N 1B4 Phone: (604) 938-7593 Fax: (604) 938-7532 Email: nperdue@vailresorts.com |

| Delivery | Format | Deliverables |
|-----------------------|--------|--------------|
| Email - Single Report | PDF | COA |
| Email - Single Report | PDF | Invoice |
| Email - Single Report | PDF | Test Report |

Notes To Clients:

- Dec 06, 2017 - The analysis of water sample 1242548-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the February 2017 Guidelines for Canadian Drinking Water Quality for the parameters tested.

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Analytical Report

| | | |
|---|----------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: RHL Well # 1 | Lot ID: 1242548 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248001 |
| Sampled By: | | |
| Company: | | |

| | |
|---------------------------|-----------------------|
| Reference Number | 1242548-1 |
| Sample Date | November 30, 2017 |
| Sample Time | 11:00 |
| Sample Location | |
| Sample Description | RHL Well # 1 / 5.0 °C |
| Sample Matrix | Drinking Water |

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments | |
|--|------------------------|----------------|-------------------------|-----------------|--------------------|--------------|
| Metals Extractable | | | | | | |
| Aluminum | Extractable mg/L | <0.001 | 0.001 | 0.1 | Below OG | |
| Antimony | Extractable mg/L | 0.00002 | 0.00002 | 0.006 | Below MAC | |
| Arsenic | Extractable mg/L | 0.0002 | 0.0001 | 0.010 | Below MAC | |
| Barium | Extractable mg/L | 0.0007 | 0.0001 | 1 | Below MAC | |
| Boron | Extractable mg/L | 0.005 | 0.002 | 5 | Below MAC | |
| Cadmium | Extractable mg/L | 0.00001 | 0.00001 | 0.005 | Below MAC | |
| Chromium | Extractable mg/L | <0.00005 | 0.00005 | 0.05 | Below MAC | |
| Copper | Extractable mg/L | <0.0005 | 0.0005 | 1.0 | Below AO | |
| Lead | Extractable mg/L | 0.00003 | 0.00001 | 0.01 | Below MAC | |
| Selenium | Extractable mg/L | <0.0002 | 0.0002 | 0.05 | Below MAC | |
| Uranium | Extractable mg/L | <0.00001 | 0.00001 | 0.02 | Below MAC | |
| Vanadium | Extractable mg/L | <0.00005 | 0.00005 | | | |
| Zinc | Extractable mg/L | 0.0035 | 0.0005 | 5.0 | Below AO | |
| Microbiological Analysis | | | | | | |
| Total Coliforms | Enzyme Substrate Test | MPN/100 mL | <1.0 | 1.0 | 0 per 100 mL | Below MAC |
| Escherichia coli | Enzyme Substrate Test | MPN/100 mL | <1.0 | 1.0 | 0 per 100 mL | Below MAC |
| Physical and Aggregate Properties | | | | | | |
| Colour | True | Colour units | <5 | 5 | | |
| Turbidity | | NTU | 0.22 | 0.05 | | |
| Routine Water | | | | | | |
| pH - Holding Time | | | Exceeded | | | |
| pH | at 25 °C | | 7.39 | | 7.0-10.5 | Within Range |
| Electrical Conductivity | | µS/cm at 25 °C | 262 | 1 | | |
| Calcium | Extractable | mg/L | 49 | 0.01 | | |
| Iron | Extractable | mg/L | 0.034 | 0.004 | 0.3 | Below AO |
| Magnesium | Extractable | mg/L | 1.3 | 0.02 | | |
| Manganese | Extractable | mg/L | 0.004 | 0.001 | 0.05 | Below AO |
| Potassium | Extractable | mg/L | 0.29 | 0.04 | | |
| Silicon | Extractable | mg/L | 3.2 | 0.005 | | |
| Sodium | Extractable | mg/L | 4.0 | 0.1 | 200 | Below AO |
| T-Alkalinity | as CaCO3 | mg/L | 72 | 5 | | |
| Chloride | Dissolved | mg/L | 6.29 | 0.05 | 250 | Below AO |
| Fluoride | Dissolved | mg/L | 0.02 | 0.01 | 1.5 | Below MAC |
| Nitrate - N | Dissolved | mg/L | 0.27 | 0.01 | 10 | Below MAC |
| Nitrite - N | Dissolved | mg/L | <0.01 | 0.01 | 1 | Below MAC |
| Sulfate (SO4) | Dissolved | mg/L | 54.6 | 0.1 | 500 | Below AO |
| Hardness | as CaCO3 (extractable) | mg/L | 130 | 1 | | |

Analytical Report

| | | |
|---|----------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: RHL Well # 1 | Lot ID: 1242548 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248001 |
| Sampled By: | | |
| Company: | | |

| | |
|---------------------------|-----------------------|
| Reference Number | 1242548-1 |
| Sample Date | November 30, 2017 |
| Sample Time | 11:00 |
| Sample Location | |
| Sample Description | RHL Well # 1 / 5.0 °C |
| Sample Matrix | Drinking Water |

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments |
|----------------------------------|-------------|--------|-------------------------|-----------------|--------------------|
| Routine Water - Continued | | | | | |
| Total Dissolved Solids | Extractable | mg/L | 168 | 1 | |

Approved by: 
Mathieu Simoneau
Operations Manager

Data have been validated by Analytical Quality Control and Exova's Integrated Data Validation System (IDVS).

Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.

Methodology and Notes

| | |
|---|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Lot ID: 1242548 |
| 4545 Blackcomb Way | Control Number: |
| Whistler, BC, Canada | Date Received: Dec 1, 2017 |
| VON 1B4 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Report Number: 2248001 |
| Sampled By: | |
| Company: | |

Method of Analysis

| Method Name | Reference | Method | Date Analysis Started | Location |
|--|-----------|---|-----------------------|--------------|
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Alkalinity - Titration Method, 2320 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Conductivity, 2510 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * pH - Electrometric Method, 4500-H+ B | Dec 2, 2017 | Exova Surrey |
| Anions by IEC in water (Surrey) | APHA | * Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B | Dec 1, 2017 | Exova Surrey |
| Metals SemiTrace (Extractable) in water (Surrey) | US EPA | * Metals & Trace Elements by ICP-AES, 6010C | Dec 1, 2017 | Exova Surrey |
| Total and E-Coli - Colilert - DW (Surrey) | APHA | Enzyme Substrate Test, APHA 9223 B | Dec 1, 2017 | Exova Surrey |
| Trace Metals (extractable) in Water (Surrey) | US EPA | * Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8 | Dec 1, 2017 | Exova Surrey |
| True Color in water (Surrey) | APHA | * Spectrophotometric - Single Wavelength Method, 2120 C | Dec 2, 2017 | Exova Surrey |
| Turbidity - Water (Surrey) | APHA | * Turbidity - Nephelometric Method, 2130 B | Dec 1, 2017 | Exova Surrey |

* Reference Method Modified

References

APHA Standard Methods for the Examination of Water and Wastewater
US EPA US Environmental Protection Agency Test Methods

Guidelines

Guideline Description Health Canada GCDWQ
Guideline Source Guidelines for Canadian Drinking Water Quality, Health Canada, February 2017
Guideline Comments MAC = Maximum Acceptable Concentration
AO = Aesthetic Objective
OG = Operational Guideline for Water Treatment Plants
Refer to Health Canada GCDWQ for complete guidelines and additional drinking water information at www.hc-sc.gc.ca

Comments:

- Dec 06, 2017 - The analysis of water sample 1242548-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the February 2017 Guidelines for Canadian Drinking Water Quality for the parameters tested.

The comparison of test results to guideline limits is provided for information purposes only. This is not to be taken as a statement of conformance / nonconformance to any guideline, regulation or limit. The data user is responsible for all conclusions drawn with respect to the data and is advised to consult official regulatory references when evaluating compliance.

Please direct any inquiries regarding this report to our Client Services Group or to the Operations Manager at the coordinates indicated at the top left of this page.

Results relate only to samples as submitted.

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Report Transmission Cover Page

| | | |
|---|----------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: RHL Well # 4 | Lot ID: 1242562 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248016 |
| Sampled By: | | |
| Company: | | |

| Contact | Company | Address |
|-------------------------|---|---|
| Accounts Payable | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC V0N 1B4 Phone: (604) 932-3141 Fax: (604) 932-0416 Email: apinvoice@vailresorts.com |

| Delivery | Format | Deliverables |
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| Email - Single Report | PDF | Invoice |

| Contact | Company | Address |
|---------------------|---|---|
| NaTai Perdue | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC V0N 1B4 Phone: (604) 938-7593 Fax: (604) 938-7532 Email: nperdue@vailresorts.com |

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| Email - Single Report | PDF | Test Report |

Notes To Clients:

- Dec 06, 2017 - The Total Coliforms result in sample 1242562-1 exceeded the maximum acceptable concentration (MAC) as specified by the February 2017 Guidelines for Canadian Drinking Water Quality.

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Analytical Report

| | | |
|---|----------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: RHL Well # 4 | Lot ID: 1242562 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248016 |
| Sampled By: | | |
| Company: | | |

| | |
|---------------------------|-----------------------|
| Reference Number | 1242562-1 |
| Sample Date | November 30, 2017 |
| Sample Time | 10:45 |
| Sample Location | |
| Sample Description | RHL Well # 4 / 5.0 °C |
| Sample Matrix | Drinking Water |

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments | |
|--|------------------------|----------------|-------------------------|-----------------|--------------------|--------------|
| Metals Extractable | | | | | | |
| Aluminum | Extractable mg/L | 0.008 | 0.001 | 0.1 | Below OG | |
| Antimony | Extractable mg/L | <0.00002 | 0.00002 | 0.006 | Below MAC | |
| Arsenic | Extractable mg/L | <0.0001 | 0.0001 | 0.010 | Below MAC | |
| Barium | Extractable mg/L | 0.0005 | 0.0001 | 1 | Below MAC | |
| Boron | Extractable mg/L | 0.002 | 0.002 | 5 | Below MAC | |
| Cadmium | Extractable mg/L | <0.00001 | 0.00001 | 0.005 | Below MAC | |
| Chromium | Extractable mg/L | 0.00061 | 0.00005 | 0.05 | Below MAC | |
| Copper | Extractable mg/L | 0.0013 | 0.0005 | 1.0 | Below AO | |
| Lead | Extractable mg/L | 0.00006 | 0.00001 | 0.01 | Below MAC | |
| Selenium | Extractable mg/L | <0.0002 | 0.0002 | 0.05 | Below MAC | |
| Uranium | Extractable mg/L | <0.00001 | 0.00001 | 0.02 | Below MAC | |
| Vanadium | Extractable mg/L | <0.00005 | 0.00005 | | | |
| Zinc | Extractable mg/L | 0.0015 | 0.0005 | 5.0 | Below AO | |
| Microbiological Analysis | | | | | | |
| Total Coliforms | Enzyme Substrate Test | MPN/100 mL | 1.0 | 1.0 | 0 per 100 mL | Above MAC |
| Escherichia coli | Enzyme Substrate Test | MPN/100 mL | <1.0 | 1.0 | 0 per 100 mL | Below MAC |
| Physical and Aggregate Properties | | | | | | |
| Colour | True | Colour units | <5 | 5 | | |
| Turbidity | | NTU | 0.94 | 0.05 | | |
| Routine Water | | | | | | |
| pH - Holding Time | | | Exceeded | | | |
| pH | at 25 °C | | 8.27 | | 7.0-10.5 | Within Range |
| Electrical Conductivity | | µS/cm at 25 °C | 119 | 1 | | |
| Calcium | Extractable | mg/L | 16 | 0.01 | | |
| Iron | Extractable | mg/L | 0.37 | 0.004 | 0.3 | Above AO |
| Magnesium | Extractable | mg/L | 0.29 | 0.02 | | |
| Manganese | Extractable | mg/L | 0.013 | 0.001 | 0.05 | Below AO |
| Potassium | Extractable | mg/L | 0.10 | 0.04 | | |
| Silicon | Extractable | mg/L | 4.4 | 0.005 | | |
| Sodium | Extractable | mg/L | 8.2 | 0.1 | 200 | Below AO |
| T-Alkalinity | as CaCO3 | mg/L | 18 | 5 | | |
| Chloride | Dissolved | mg/L | 0.27 | 0.05 | 250 | Below AO |
| Fluoride | Dissolved | mg/L | 0.05 | 0.01 | 1.5 | Below MAC |
| Nitrate - N | Dissolved | mg/L | <0.01 | 0.01 | 10 | Below MAC |
| Nitrite - N | Dissolved | mg/L | <0.01 | 0.01 | 1 | Below MAC |
| Sulfate (SO4) | Dissolved | mg/L | 32.5 | 0.1 | 500 | Below AO |
| Hardness | as CaCO3 (extractable) | mg/L | 42 | 1 | | |

Analytical Report

Bill To: Whistler Blackcomb Holdings Inc. Project ID: Lot ID: **1242562**
4545 Blackcomb Way Project Name: RHL Well # 4 Control Number:
Whistler, BC, Canada Project Location: Date Received: Dec 1, 2017
VON 1B4 LSD: Date Reported: Dec 6, 2017
Attn: Accounts Payable P.O.: 683957 Report Number: 2248016
Sampled By: Proj. Acct. code:
Company:

Reference Number 1242562-1
Sample Date November 30, 2017
Sample Time 10:45
Sample Location
Sample Description RHL Well # 4 / 5.0 °C
Sample Matrix Drinking Water

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments |
|----------------------------------|-------------|--------|-------------------------|-----------------|--------------------|
| Routine Water - Continued | | | | | |
| Total Dissolved Solids | Extractable | mg/L | 80 | 1 | |

Approved by: 
Mathieu Simoneau
Operations Manager

Data have been validated by Analytical Quality Control and Exova's Integrated Data Validation System (IDVS).

Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.

Methodology and Notes

| | |
|---|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Lot ID: 1242562 |
| 4545 Blackcomb Way | Control Number: |
| Whistler, BC, Canada | Date Received: Dec 1, 2017 |
| VON 1B4 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Report Number: 2248016 |
| Sampled By: | |
| Company: | |

Method of Analysis

| Method Name | Reference | Method | Date Analysis Started | Location |
|--|-----------|---|-----------------------|--------------|
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Alkalinity - Titration Method, 2320 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Conductivity, 2510 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * pH - Electrometric Method, 4500-H+ B | Dec 2, 2017 | Exova Surrey |
| Anions by IEC in water (Surrey) | APHA | * Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B | Dec 1, 2017 | Exova Surrey |
| Metals SemiTrace (Extractable) in water (Surrey) | US EPA | * Metals & Trace Elements by ICP-AES, 6010C | Dec 1, 2017 | Exova Surrey |
| Total and E-Coli - Colilert - DW (Surrey) | APHA | Enzyme Substrate Test, APHA 9223 B | Dec 1, 2017 | Exova Surrey |
| Trace Metals (extractable) in Water (Surrey) | US EPA | * Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8 | Dec 1, 2017 | Exova Surrey |
| True Color in water (Surrey) | APHA | * Spectrophotometric - Single Wavelength Method, 2120 C | Dec 2, 2017 | Exova Surrey |
| Turbidity - Water (Surrey) | APHA | * Turbidity - Nephelometric Method, 2130 B | Dec 1, 2017 | Exova Surrey |

** Reference Method Modified*

References

APHA Standard Methods for the Examination of Water and Wastewater
US EPA US Environmental Protection Agency Test Methods

Guidelines

Guideline Description Health Canada GCDWQ
Guideline Source Guidelines for Canadian Drinking Water Quality, Health Canada, February 2017
Guideline Comments MAC = Maximum Acceptable Concentration
AO = Aesthetic Objective
OG = Operational Guideline for Water Treatment Plants
Refer to Health Canada GCDWQ for complete guidelines and additional drinking water information at www.hc-sc.gc.ca

Comments:

- Dec 06, 2017 - The Total Coliforms result in sample 1242562-1 exceeded the maximum acceptable concentration (MAC) as specified by the February 2017 Guidelines for Canadian Drinking Water Quality.

The comparison of test results to guideline limits is provided for information purposes only. This is not to be taken as a statement of conformance / nonconformance to any guideline, regulation or limit. The data user is responsible for all conclusions drawn with respect to the data and is advised to consult official regulatory references when evaluating compliance.

Please direct any inquiries regarding this report to our Client Services Group or to the Operations Manager at the coordinates indicated at the top left of this page.

Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.

Report Transmission Cover Page

| | | |
|---|----------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: RHL Well # 5 | Lot ID: 1242551 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248005 |
| Sampled By: | | |
| Company: | | |

| Contact | Company | Address |
|-------------------------|---|---|
| Accounts Payable | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC V0N 1B4 Phone: (604) 932-3141 Fax: (604) 932-0416 Email: apinvoice@vailresorts.com |

| Delivery | Format | Deliverables |
|-----------------------|--------|--------------|
| Email - Single Report | PDF | Invoice |

| Contact | Company | Address |
|---------------------|---|---|
| NaTai Perdue | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC V0N 1B4 Phone: (604) 938-7593 Fax: (604) 938-7532 Email: nperdue@vailresorts.com |

| Delivery | Format | Deliverables |
|-----------------------|--------|--------------|
| Email - Single Report | PDF | COA |
| Email - Single Report | PDF | Invoice |
| Email - Single Report | PDF | Test Report |

Notes To Clients:

- Dec 06, 2017 - The analysis of water sample 1242551-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the February 2017 Guidelines for Canadian Drinking Water Quality for the parameters tested.

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Analytical Report

| | | |
|---|----------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: RHL Well # 5 | Lot ID: 1242551 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248005 |
| Sampled By: | | |
| Company: | | |

| | |
|---------------------------|-----------------------|
| Reference Number | 1242551-1 |
| Sample Date | November 30, 2017 |
| Sample Time | 10:00 |
| Sample Location | |
| Sample Description | RHL Well # 5 / 5.0 °C |
| Sample Matrix | Drinking Water |

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments | |
|--|------------------------|----------------|-------------------------|-----------------|--------------------|--------------|
| Metals Extractable | | | | | | |
| Aluminum | Extractable mg/L | 0.007 | 0.001 | 0.1 | Below OG | |
| Antimony | Extractable mg/L | <0.00002 | 0.00002 | 0.006 | Below MAC | |
| Arsenic | Extractable mg/L | 0.0019 | 0.0001 | 0.010 | Below MAC | |
| Barium | Extractable mg/L | 0.0001 | 0.0001 | 1 | Below MAC | |
| Boron | Extractable mg/L | <0.002 | 0.002 | 5 | Below MAC | |
| Cadmium | Extractable mg/L | <0.00001 | 0.00001 | 0.005 | Below MAC | |
| Chromium | Extractable mg/L | <0.00005 | 0.00005 | 0.05 | Below MAC | |
| Copper | Extractable mg/L | <0.0005 | 0.0005 | 1.0 | Below AO | |
| Lead | Extractable mg/L | 0.00003 | 0.00001 | 0.01 | Below MAC | |
| Selenium | Extractable mg/L | 0.0003 | 0.0002 | 0.05 | Below MAC | |
| Uranium | Extractable mg/L | <0.00001 | 0.00001 | 0.02 | Below MAC | |
| Vanadium | Extractable mg/L | 0.00030 | 0.00005 | | | |
| Zinc | Extractable mg/L | 0.0315 | 0.0005 | 5.0 | Below AO | |
| Microbiological Analysis | | | | | | |
| Total Coliforms | Enzyme Substrate Test | MPN/100 mL | <1.0 | 1.0 | 0 per 100 mL | Below MAC |
| Escherichia coli | Enzyme Substrate Test | MPN/100 mL | <1.0 | 1.0 | 0 per 100 mL | Below MAC |
| Physical and Aggregate Properties | | | | | | |
| Colour | True | Colour units | <5 | 5 | | |
| Turbidity | | NTU | 2.6 | 0.05 | | |
| Routine Water | | | | | | |
| pH - Holding Time | | | Exceeded | | | |
| pH | at 25 °C | | 7.77 | | 7.0-10.5 | Within Range |
| Electrical Conductivity | | µS/cm at 25 °C | 106 | 1 | | |
| Calcium | Extractable | mg/L | 16 | 0.01 | | |
| Iron | Extractable | mg/L | 0.017 | 0.004 | 0.3 | Below AO |
| Magnesium | Extractable | mg/L | 0.58 | 0.02 | | |
| Manganese | Extractable | mg/L | <0.001 | 0.001 | 0.05 | Below AO |
| Potassium | Extractable | mg/L | 0.14 | 0.04 | | |
| Silicon | Extractable | mg/L | 2.0 | 0.005 | | |
| Sodium | Extractable | mg/L | 1.4 | 0.1 | 200 | Below AO |
| T-Alkalinity | as CaCO3 | mg/L | 18 | 5 | | |
| Chloride | Dissolved | mg/L | 15.6 | 0.05 | 250 | Below AO |
| Fluoride | Dissolved | mg/L | 0.01 | 0.01 | 1.5 | Below MAC |
| Nitrate - N | Dissolved | mg/L | 0.08 | 0.01 | 10 | Below MAC |
| Nitrite - N | Dissolved | mg/L | <0.01 | 0.01 | 1 | Below MAC |
| Sulfate (SO4) | Dissolved | mg/L | 8.3 | 0.1 | 500 | Below AO |
| Hardness | as CaCO3 (extractable) | mg/L | 41 | 1 | | |

Analytical Report

Bill To: Whistler Blackcomb Holdings Inc. Project ID: Lot ID: **1242551**
4545 Blackcomb Way Project Name: RHL Well # 5 Control Number:
Whistler, BC, Canada Project Location: Date Received: Dec 1, 2017
VON 1B4 LSD: Date Reported: Dec 6, 2017
Attn: Accounts Payable P.O.: 683957 Report Number: 2248005
Sampled By: Proj. Acct. code:
Company:

| | |
|--------------------|-----------------------|
| Reference Number | 1242551-1 |
| Sample Date | November 30, 2017 |
| Sample Time | 10:00 |
| Sample Location | |
| Sample Description | RHL Well # 5 / 5.0 °C |
| Sample Matrix | Drinking Water |

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments |
|----------------------------------|-------------|--------|-------------------------|-----------------|--------------------|
| Routine Water - Continued | | | | | |
| Total Dissolved Solids | Extractable | mg/L | 58 | 1 | |

Approved by: 
Mathieu Simoneau
Operations Manager

Data have been validated by Analytical Quality Control and Exova's Integrated Data Validation System (IDVS).

Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.

Methodology and Notes

| | | |
|---|----------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: RHL Well # 5 | Lot ID: 1242551 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248005 |
| Sampled By: | | |
| Company: | | |

Method of Analysis

| Method Name | Reference | Method | Date Analysis Started | Location |
|--|-----------|---|-----------------------|--------------|
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Alkalinity - Titration Method, 2320 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Conductivity, 2510 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * pH - Electrometric Method, 4500-H+ B | Dec 2, 2017 | Exova Surrey |
| Anions by IEC in water (Surrey) | APHA | * Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B | Dec 1, 2017 | Exova Surrey |
| Metals SemiTrace (Extractable) in water (Surrey) | US EPA | * Metals & Trace Elements by ICP-AES, 6010C | Dec 1, 2017 | Exova Surrey |
| Total and E-Coli - Colilert - DW (Surrey) | APHA | Enzyme Substrate Test, APHA 9223 B | Dec 1, 2017 | Exova Surrey |
| Trace Metals (extractable) in Water (Surrey) | US EPA | * Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8 | Dec 1, 2017 | Exova Surrey |
| True Color in water (Surrey) | APHA | * Spectrophotometric - Single Wavelength Method, 2120 C | Dec 2, 2017 | Exova Surrey |
| Turbidity - Water (Surrey) | APHA | * Turbidity - Nephelometric Method, 2130 B | Dec 1, 2017 | Exova Surrey |

** Reference Method Modified*

References

APHA Standard Methods for the Examination of Water and Wastewater
US EPA US Environmental Protection Agency Test Methods

Guidelines

Guideline Description Health Canada GCDWQ
Guideline Source Guidelines for Canadian Drinking Water Quality, Health Canada, February 2017
Guideline Comments MAC = Maximum Acceptable Concentration
AO = Aesthetic Objective
OG = Operational Guideline for Water Treatment Plants
Refer to Health Canada GCDWQ for complete guidelines and additional drinking water information at www.hc-sc.gc.ca

Comments:

- Dec 06, 2017 - The analysis of water sample 1242551-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the February 2017 Guidelines for Canadian Drinking Water Quality for the parameters tested.

The comparison of test results to guideline limits is provided for information purposes only. This is not to be taken as a statement of conformance / nonconformance to any guideline, regulation or limit. The data user is responsible for all conclusions drawn with respect to the data and is advised to consult official regulatory references when evaluating compliance.

Please direct any inquiries regarding this report to our Client Services Group or to the Operations Manager at the coordinates indicated at the top left of this page.

Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.



WATER FACILITY EVALUATION REPORT

Health Protection

| | | |
|--|--|----------------------|
| Premises Name Whistler Mountain - Raven's Nest | Tel: (604) 938-7661 Fax: (604) 938-7532 | |
| Premises Address 4545 Blackcomb Way Whistler, BC V0N 1B4 | Inspection Date April 24, 2018 | Time Spent 1 hour |
| Operator (Person in Charge) Na Tai Perdue | | |
| Inspection Type Evaluation | | |

| |
|-----------------------------------|
| Observed Violations |
| There are no observed violations. |

| |
|------------------------|
| Section Details |
| |

| |
|--|
| Comments This is a 2017 year end summary inspection report for Raven's Nest water system which services Raven's Nest food premises on Whistler Mountain. The Operating Permit for this Drinking Water system contains the following conditions: Monitor supply for Total Coliform and E. Coli semi monthly and in accordance with monitoring plan. Review and update the Emergency Response Plan annually. Maintain a free chlorine residual in the distribution system at all times. A chemical analysis of the well source water was conducted in December 2017. All results are below the Operational Guidelines, Maximum Acceptable Concentrations and Aesthetic Objectives of the Canadian Drinking Water Guidelines. A 2017 water monitoring plan schedule has been submitted. A total of 18 samples were collected from the distribution system, which would exceed the frequency listed as a condition of the Operating Permit as semi-monthly based on 12 months of operation. The 2017 sample range report indicates bacteriological monitoring results are in accordance with the potable water quality standards of the BC Drinking Water Protection Regulation. Annual Reports for this system have been submitted in a timely manner, a copy of the 2016 annual report is available. The 2017 Annual Report is due on June 30th, 2018. A recently updated Emergency Response plan is available. Please update your Emergency Response plan to include the current list of VCH contacts provided with this report. |
|--|

| |
|---|
| Action Taken |
| <input checked="" type="checkbox"/> Information Exchanged |

| |
|---|
| Hazard Rating For Your Facility: <input type="checkbox"/> High <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Low |
|---|

| |
|---|
| DWO |
| DWO Printed Name James Whalen |

Sample Range Report

Vancouver Coastal Health

Facility Name: Whistler Mountain - Raven's Nest

Date Range: Jan 1 2017 to Dec 31 2017

Operator Na Tai Perdue
C/O 4545 Blackcomb Way
Whistler, BC V0N 1B4

| Sampling Site | Date Collected | Total Coliform | E. Coli | Fecal Coliform |
|-----------------------------|-------------------------|----------------|-----------|----------------|
| <u>Raven's Nest</u> | | | | |
| <u>Restaurant - Faucet,</u> | | | | |
| | 1/3/2017 | L1 | L1 | |
| | 1/17/2017 | L1 | L1 | |
| | 1/31/2017 | L1 | L1 | |
| | 2/14/2017 | L1 | L1 | |
| | 2/28/2017 | L1 | L1 | |
| | 3/14/2017 | L1 | L1 | |
| | 3/28/2017 | L1 | L1 | |
| | 4/11/2017 | L1 | L1 | |
| | 7/4/2017 | L1 | L1 | |
| | 7/17/2017 | L1 | L1 | |
| | 8/29/2017 | L1 | L1 | |
| | 9/11/2017 | L1 | L1 | |
| | 10/24/2017 | L1 | L1 | |
| | 11/20/2017 | T | | |
| | 12/4/2017 | L1 | L1 | |
| | 12/18/2017 | <u>L1</u> | <u>L1</u> | |
| | Total Positive : | 0 | 0 | |
| | | | | |
| <u>Raven's Nest,</u> | | | | |
| <u>Whistler Mountain</u> | | | | |
| | 7/31/2017 | L1 | L1 | |
| | 8/14/2017 | <u>L1</u> | <u>L1</u> | |
| | Total Positive : | 0 | 0 | |

Result Values: **E - estimated** **L - less than** **G - greater than**

| | | |
|--|-----|----------------|
| Samples that contain total coliform: | 0 | 0.00% of total |
| Samples that contain e. coli: | 0 | 0.00% of total |
| Samples that contain fecal coliform: | 0 | 0.00% of total |
| Number of consecutive samples that contain total coliform: | 0 | |
| Number of samples that contain total coliform in last 30 days: | 0/0 | |
| Total number of samples: | 18 | |

Comments:

Environmental Health Officer
Jun 5 2018

FOR FURTHER INFORMATION PLEASE CALL: James Whalen (604) 932-3202

Report Transmission Cover Page

| | | |
|---|--------------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: Ravens Nest Well | Lot ID: 1242569 |
| 4545 Blackcomb Way | Project Location: | Control Number: |
| Whistler, BC, Canada | LSD: | Date Received: Dec 1, 2017 |
| VON 1B4 | P.O.: 683957 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Proj. Acct. code: | Report Number: 2248021 |
| Sampled By: | | |
| Company: | | |

| Contact | Company | Address |
|-------------------------|---|---|
| Accounts Payable | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC V0N 1B4 Phone: (604) 932-3141 Fax: (604) 932-0416 Email: apinvoice@vailresorts.com |

| Delivery | Format | Deliverables |
|-----------------------|--------|--------------|
| Email - Single Report | PDF | Invoice |

| Contact | Company | Address |
|---------------------|---|---|
| NaTai Perdue | Whistler Blackcomb Holdings Inc. dba Whistler & Blackcomb Mountain Resort Ltd. | 4545 Blackcomb Way Whistler, BC V0N 1B4 Phone: (604) 938-7593 Fax: (604) 938-7532 Email: nperdue@vailresorts.com |

| Delivery | Format | Deliverables |
|-----------------------|--------|--------------|
| Email - Single Report | PDF | COA |
| Email - Single Report | PDF | Invoice |
| Email - Single Report | PDF | Test Report |

Notes To Clients:

- Dec 06, 2017 - The analysis of water sample 1242569-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the February 2017 Guidelines for Canadian Drinking Water Quality for the parameters tested.

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Analytical Report

| | | |
|---|--------------------------------|------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: Ravens Nest Well | Lot ID: 1242569 |
| 4545 Blackcomb Way | Control Number: | |
| Whistler, BC, Canada | Date Received: Dec 1, 2017 | |
| VON 1B4 | Date Reported: Dec 6, 2017 | |
| Attn: Accounts Payable | P.O.: 683957 | Report Number: 2248021 |
| Sampled By: | Proj. Acct. code: | |
| Company: | | |

| | |
|---------------------------|---------------------------|
| Reference Number | 1242569-1 |
| Sample Date | November 30, 2017 |
| Sample Time | 11:00 |
| Sample Location | |
| Sample Description | Ravens Nest Well / 5.0 °C |
| Sample Matrix | Drinking Water |

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments | |
|--|------------------------|----------------|-------------------------|-----------------|--------------------|--------------|
| Metals Extractable | | | | | | |
| Aluminum | Extractable mg/L | 0.003 | 0.001 | 0.1 | Below OG | |
| Antimony | Extractable mg/L | <0.00002 | 0.00002 | 0.006 | Below MAC | |
| Arsenic | Extractable mg/L | 0.0007 | 0.0001 | 0.010 | Below MAC | |
| Barium | Extractable mg/L | 0.0007 | 0.0001 | 1 | Below MAC | |
| Boron | Extractable mg/L | 0.004 | 0.002 | 5 | Below MAC | |
| Cadmium | Extractable mg/L | <0.00001 | 0.00001 | 0.005 | Below MAC | |
| Chromium | Extractable mg/L | <0.00005 | 0.00005 | 0.05 | Below MAC | |
| Copper | Extractable mg/L | <0.0005 | 0.0005 | 1.0 | Below AO | |
| Lead | Extractable mg/L | <0.00001 | 0.00001 | 0.01 | Below MAC | |
| Selenium | Extractable mg/L | <0.0002 | 0.0002 | 0.05 | Below MAC | |
| Uranium | Extractable mg/L | <0.00001 | 0.00001 | 0.02 | Below MAC | |
| Vanadium | Extractable mg/L | <0.00005 | 0.00005 | | | |
| Zinc | Extractable mg/L | 0.0007 | 0.0005 | 5.0 | Below AO | |
| Microbiological Analysis | | | | | | |
| Total Coliforms | Enzyme Substrate Test | MPN/100 mL | <1.0 | 1.0 | 0 per 100 mL | Below MAC |
| Escherichia coli | Enzyme Substrate Test | MPN/100 mL | <1.0 | 1.0 | 0 per 100 mL | Below MAC |
| Physical and Aggregate Properties | | | | | | |
| Colour | True | Colour units | <5 | 5 | | |
| Turbidity | | NTU | 0.18 | 0.05 | | |
| Routine Water | | | | | | |
| pH - Holding Time | | | Exceeded | | | |
| pH | at 25 °C | | 7.87 | | 7.0-10.5 | Within Range |
| Electrical Conductivity | | µS/cm at 25 °C | 240 | 1 | | |
| Calcium | Extractable | mg/L | 42 | 0.01 | | |
| Iron | Extractable | mg/L | 0.036 | 0.004 | 0.3 | Below AO |
| Magnesium | Extractable | mg/L | 1.1 | 0.02 | | |
| Manganese | Extractable | mg/L | 0.013 | 0.001 | 0.05 | Below AO |
| Potassium | Extractable | mg/L | 0.50 | 0.04 | | |
| Silicon | Extractable | mg/L | 5.0 | 0.005 | | |
| Sodium | Extractable | mg/L | 3.7 | 0.1 | 200 | Below AO |
| T-Alkalinity | as CaCO3 | mg/L | 80 | 5 | | |
| Chloride | Dissolved | mg/L | 0.33 | 0.05 | 250 | Below AO |
| Fluoride | Dissolved | mg/L | 0.03 | 0.01 | 1.5 | Below MAC |
| Nitrate - N | Dissolved | mg/L | <0.01 | 0.01 | 10 | Below MAC |
| Nitrite - N | Dissolved | mg/L | <0.01 | 0.01 | 1 | Below MAC |
| Sulfate (SO4) | Dissolved | mg/L | 40.6 | 0.1 | 500 | Below AO |
| Hardness | as CaCO3 (extractable) | mg/L | 110 | 1 | | |

Analytical Report

| | | |
|---|--------------------------------|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Project Name: Ravens Nest Well | Lot ID: 1242569 |
| 4545 Blackcomb Way | Control Number: | |
| Whistler, BC, Canada | Project Location: | Date Received: Dec 1, 2017 |
| VON 1B4 | LSD: | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | P.O.: 683957 | Report Number: 2248021 |
| Sampled By: | Proj. Acct. code: | |
| Company: | | |

| | |
|---------------------------|---------------------------|
| Reference Number | 1242569-1 |
| Sample Date | November 30, 2017 |
| Sample Time | 11:00 |
| Sample Location | |
| Sample Description | Ravens Nest Well / 5.0 °C |
| Sample Matrix | Drinking Water |

| Analyte | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments |
|----------------------------------|-------------|--------|-------------------------|-----------------|--------------------|
| Routine Water - Continued | | | | | |
| Total Dissolved Solids | Extractable | mg/L | 150 | 1 | |

Approved by: 
Mathieu Simoneau
Operations Manager

Data have been validated by Analytical Quality Control and Exova's Integrated Data Validation System (IDVS).

Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.

Methodology and Notes

| | |
|---|----------------------------|
| Bill To: Whistler Blackcomb Holdings Inc. Project ID: | Lot ID: 1242569 |
| 4545 Blackcomb Way | Control Number: |
| Whistler, BC, Canada | Date Received: Dec 1, 2017 |
| VON 1B4 | Date Reported: Dec 6, 2017 |
| Attn: Accounts Payable | Report Number: 2248021 |
| Sampled By: | |
| Company: | |

Method of Analysis

| Method Name | Reference | Method | Date Analysis Started | Location |
|--|-----------|---|-----------------------|--------------|
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Alkalinity - Titration Method, 2320 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Conductivity, 2510 B | Dec 2, 2017 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * pH - Electrometric Method, 4500-H+ B | Dec 2, 2017 | Exova Surrey |
| Anions by IEC in water (Surrey) | APHA | * Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B | Dec 1, 2017 | Exova Surrey |
| Metals SemiTrace (Extractable) in water (Surrey) | US EPA | * Metals & Trace Elements by ICP-AES, 6010C | Dec 1, 2017 | Exova Surrey |
| Total and E-Coli - Colilert - DW (Surrey) | APHA | Enzyme Substrate Test, APHA 9223 B | Dec 1, 2017 | Exova Surrey |
| Trace Metals (extractable) in Water (Surrey) | US EPA | * Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8 | Dec 1, 2017 | Exova Surrey |
| True Color in water (Surrey) | APHA | * Spectrophotometric - Single Wavelength Method, 2120 C | Dec 2, 2017 | Exova Surrey |
| Turbidity - Water (Surrey) | APHA | * Turbidity - Nephelometric Method, 2130 B | Dec 1, 2017 | Exova Surrey |

* Reference Method Modified

References

APHA Standard Methods for the Examination of Water and Wastewater
US EPA US Environmental Protection Agency Test Methods

Guidelines

Guideline Description Health Canada GCDWQ
Guideline Source Guidelines for Canadian Drinking Water Quality, Health Canada, February 2017
Guideline Comments MAC = Maximum Acceptable Concentration
AO = Aesthetic Objective
OG = Operational Guideline for Water Treatment Plants
Refer to Health Canada GCDWQ for complete guidelines and additional drinking water information at www.hc-sc.gc.ca

Comments:

- Dec 06, 2017 - The analysis of water sample 1242569-1 is below Maximum Acceptable Concentrations for the chemical and bacteriological health related guidelines specified by the February 2017 Guidelines for Canadian Drinking Water Quality for the parameters tested.

The comparison of test results to guideline limits is provided for information purposes only. This is not to be taken as a statement of conformance / nonconformance to any guideline, regulation or limit. The data user is responsible for all conclusions drawn with respect to the data and is advised to consult official regulatory references when evaluating compliance.

Please direct any inquiries regarding this report to our Client Services Group or to the Operations Manager at the coordinates indicated at the top left of this page.

Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.

Potable Water Emergency Contacts

All water inquiries should be directed first to the Water Purveyors.

Snowmaking is responsible for all on hill water supply and will respond from 905-8146, Radio ch. #4/6

| Water Purveyors / Snowmaking | | | |
|-------------------------------------|---------------------|---------------------|------------|
| Snowmaking Maintenance | | 604-905-8146 | |
| Supervisor | NaTai Perdue | 938-7593 | c.905-8409 |
| Manager | Bob Pasch | 938-7234 | c.905-9129 |
| Operator | Kevin Phelps | 938-7661 | c.388-9523 |

| Vancouver Coastal Health | | | |
|---------------------------------|----------------------|------------|------------|
| Water Officer | James Whalen | w.935-5318 | c.698-5422 |
| Water Officer | Len Clarkson | c.815.6841 | w.892-7528 |
| EHO | Angela Whalen | w.892-2293 | c.698-5467 |
| Manager | Mark Ritson | w.983-6751 | c.219-7359 |

| Food & Beverage Contacts | | | |
|-------------------------------------|-------------------------|----------|----------------|
| F&B Director | Paul Street | 938-7239 | c.905-9912 |
| Food Safety | James Linklater | 938-7241 | c.905-8329 |
| GM - Bars | Mike Varrin | 938-7386 | c.932-7821 |
| F&B Administrator | Rebecca Robbins | 938-7353 | |
| Catering Manager | Stephanie Spence | 905-3039 | c.778-997-8784 |

| Whistler/Blackcomb Contacts | | | |
|------------------------------------|--------------------|----------|------------|
| Electrical | Laird Brown | 938-7208 | c.932-7977 |
| Plumbing | Roy Molby | 938-7254 | c.905-9054 |

| Whistler Restaurants | | | |
|--|-----------------------|------------|------------|
| <u>Roundhouse</u> | | | |
| General Manager | Doug Burnett | 905-2376 | c.907-1190 |
| Asst. Manager | Dan Villeneuve | 905-2373 | |
| Chef | Larry Johnson | 905-2375 | |
| <u>Chic Pea</u> | | | |
| Supervisor | Enrico Cadei | 905-2383 | |
| <u>Ravens Nest</u> | | | |
| Supervisor | Ashlee Ford | 905-2176 | |
| <u>Children's Learning Center</u> | | | |
| Manager | Becky Seiler | 4019 | c.902-6629 |
| <u>Ollie's</u> | | | |
| Manager | Ria Jones | c.218-7428 | |

| Blackcomb Restaurants | | | |
|------------------------------|-----------------------|----------|------------|
| <u>Rendezvous</u> | | | |
| Manager | James Paton | 938-7400 | c.902-4087 |
| Chef | Waide Wright | 938-7435 | |
| <u>Horstman Hut</u> | | | |
| Manager | Alex Quinlan | 902-6633 | |
| Supervisor | Rachel Cutler | 938-7404 | |
| <u>Glacier Creek</u> | | | |
| Manager | Sheila Kearns | 938-7410 | c.698-5607 |
| Chef | Harvey Upton | 938-7429 | |
| <u>Crystal Hut</u> | | | |
| Manager | Alex Quinlan | 902-6633 | |
| Supervisor | Brighid Brophy | 938-7408 | |

| Municipal Water Systems | | | |
|--------------------------------------|--------------------------|----------|--|
| <u>Dusty's & Backside</u> | | | |
| Manager | Joshua Kearns | 905-2146 | |
| Supervisor | Harri Dobrochodow | 905-2145 | |
| <u>Garibaldi Lift Company</u> | | | |
| Manager | Mike Wilson | 905-2062 | |
| Supervisor | Derek Pretty | 905-2050 | |
| <u>EBCB</u> | | | |
| Supervisor | Ria Jones | 905-2065 | |

| Municipal Water Systems | | | |
|---|------------------------|----------|--|
| <u>Merlin's & Wizard Grill</u> | | | |
| Chef | Jordano Palacio | 938-7706 | |
| <u>18 Below</u> | | | |
| Manager | Maren Oetling | 938-7264 | |

Whistler/Blackcomb Potable Water 2017 Schedule

Whistler Mountain

Updated March 2017

| Site Name | Source | System Name | Sample Frequency | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Reservoir Storage |
|----------------------------|-----------|--|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|-------------------|
| Whistler Alpine Shop | Deep Well | Whistler Mountain - Roundhouse Lodge | Bi-Weekly | | | | | | | | | | | | | 100 000 gallons |
| Roundhouse Lodge | Deep Well | Whistler Mountain - Roundhouse Lodge | Bi-Weekly | | | | | | | | | | | | | |
| RHL Well #1 | Deep Well | Whistler Mountain - Roundhouse Lodge | Semi-Annually | | | | | | | | | | | | | |
| RHL Well #4 | Deep Well | Whistler Mountain - Roundhouse Lodge | Semi-Annually | | | | | | | | | | | | | |
| RHL Well #5 | Deep Well | Whistler Mountain - Roundhouse Lodge | Semi-Annually | | | | | | | | | | | | | |
| Chic Pea | Deep Well | Whistler Mountain - Chic Pea | Bi-Weekly | | | | | | | | | | | | 10 000 gallons | |
| Chic Pea Well | Deep Well | Whistler Mountain - Chic Pea | Semi-Annually | | | | | | | | | | | | | |
| Raven's Nest | Deep Well | Whistler Mountain - Ravens Nest | Bi-Weekly | | | | | | | | | | | | 10 000 gallons | |
| Raven's Nest Well | Deep Well | Whistler Mountain - Ravens Nest | Semi-Annually | | | | | | | | | | | | | |
| Children's Learning Center | Deep Well | Whistler Mountain - Children's Learning Center | Bi-Weekly | | | | | | | | | | | | 9 000 gallons | |
| Olympic Station | Deep Well | Whistler Mountain - Children's Learning Center | Bi-Weekly | | | | | | | | | | | | | |
| CLC Well | Deep Well | Whistler Mountain - Children's Learning Center | Semi-Annually | | | | | | | | | | | | | |

Blackcomb Mountain

| Site Name | Source | System Name | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Reservoir Storage |
|-----------------------|-----------|-------------------------------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|-------------------|
| Horstman Hut | Deep Well | Blackcomb - Jersey Cream | Bi-Weekly | | | | | | | | | | | | 300 gallons | |
| Horstman Patrol Hut | Deep Well | Blackcomb - Jersey Cream | Bi-Weekly | | | | | | | | | | | | 50 gallons | |
| Blackcomb Alpine Shop | Deep Well | Blackcomb - Jersey Cream | Bi-Weekly | | | | | | | | | | | | 20 000 gallons | |
| Rendezvous | Deep Well | Blackcomb - Jersey Cream | Bi-Weekly | | | | | | | | | | | | | |
| JC Well #1 | Deep Well | Blackcomb - Jersey Cream | Semi-Annually | | | | | | | | | | | | | |
| JC Well #2 | Deep Well | Blackcomb - Jersey Cream | Semi-Annually | | | | | | | | | | | | 10 000 gallons | |
| Crystal Hut | Deep Well | Blackcomb - Glacier Creek WSS | Bi-Weekly | | | | | | | | | | | | | |
| Glacier Creek | Deep Well | Blackcomb - Glacier Creek WSS | Bi-Weekly | | | | | | | | | | | | 30 000 gallons | |
| GC Well | Deep Well | Blackcomb - Glacier Creek WSS | Semi-Annually | | | | | | | | | | | | | |

Wells Pumping Year Round

Facility Open to Public

Facility Closed to Public

UV Treated (NSF)
Water Storage

Un-Chlorinated
Water Storage

Chlorinated
Water Storage