

| | | | |
|---------------------|---|------------------------|-----------------------|
| REPORTED TO | Grand Forks, City of PO Box 220 GRAND FORKS, BC V0H 1H0 | TEL | (250) 442-2434 |
| | | FAX | (250) 442-8263 |
| ATTENTION | Dean Chapman | WORK ORDER | 5030994 |
| PO NUMBER | | RECEIVED / TEMP | Mar-17-15 08:50 / 4°C |
| PROJECT | Drinking Water | REPORTED | Mar-19-15 |
| PROJECT INFO | | COC NUMBER | 40837.5581 |

General Comments:

CARO Analytical Services employs methods which are conducted according to procedures accepted by appropriate regulatory agencies, and/or are conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts, except where otherwise agreed to by the client.

The results in this report apply to the samples analyzed in accordance with the Chain of Custody or Sample Requisition document. This analytical report must be reproduced in its entirety. CARO is not responsible for any loss or damage resulting directly or indirectly from error or omission in the conduct of testing. Liability is limited to the cost of analysis. Samples will be disposed of 30 days after the test report has been issued unless otherwise agreed to in writing.



Authorized By: **Ed Hoppe, B.Sc., P.Chem.**
Division Manager, Kelowna

Please contact CARO if more information is needed or to provide feedback on our services.

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REPORTED TO PROJECT Grand Forks, City of
Drinking Water

WORK ORDER REPORTED 5030994
Mar-19-15

| Analysis Description | Method Reference | Technique | Location |
|-----------------------|------------------|---------------------------------------|----------|
| E. coli (CCA) | APHA 9222* | Membrane Filtration / Chromocult Agar | Kelowna |
| Total Coliforms (CCA) | APHA 9222* | Membrane Filtration / Chromocult Agar | Kelowna |

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

Method Reference Descriptions:

APHA Standard Methods for the Examination of Water and Wastewater, 22nd Edition, American Public Health Association/American Water Works Association/Water Environment Federation

Glossary of Terms:

MRL Method Reporting Limit
 < Less than the Reported Detection Limit (RDL) - the RDL may be higher than the MRL due to various factors such as dilutions, limited sample volume, high moisture, or interferences
 AO Aesthetic objective
 MAC Maximum acceptable concentration (health based)
 OG Operational guideline (treated water)
 CFU/100 mL Colony Forming Units per 100 millilitres

Standards / Guidelines Referenced in this Report:

Guidelines for Canadian Drinking Water Quality (Oct 2014)

Website: http://www.hc-sc.gc.ca/ewh-semt/alt_formats/pdf/pubs/water-eau/sum_guide-res_recom/sum_guide-res_recom-eng.pdf

Note: In some cases, the values displayed on the report represent the lowest guideline and are to be verified by the end user

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| Analyte | Result / Recovery | Standard / Guideline | MRL / Limits | Units | Prepared | Analyzed | Notes |
|---------|-------------------|----------------------|--------------|-------|----------|----------|-------|
|---------|-------------------|----------------------|--------------|-------|----------|----------|-------|

Sample ID: East Zone Reservoir (5030994-01) [Water] Sampled: Mar-16-15 10:15

Microbiological Parameters

| | | | | | | | |
|------------------|-----|---------------------|---|------------|-----------|-----------|--|
| Coliforms, Total | < 1 | MAC = None Detected | 1 | CFU/100 mL | Mar-17-15 | Mar-18-15 | |
| E. coli | < 1 | MAC = None Detected | 1 | CFU/100 mL | Mar-17-15 | Mar-18-15 | |

Sample ID: Valley Heights Booster Stn. (5030994-02) [Water] Sampled: Mar-16-15 10:30

Microbiological Parameters

| | | | | | | | |
|------------------|-----|---------------------|---|------------|-----------|-----------|--|
| Coliforms, Total | < 1 | MAC = None Detected | 1 | CFU/100 mL | Mar-17-15 | Mar-18-15 | |
| E. coli | < 1 | MAC = None Detected | 1 | CFU/100 mL | Mar-17-15 | Mar-18-15 | |

Sample ID: Boundary Hospital (5030994-03) [Water] Sampled: Mar-16-15 09:15

Microbiological Parameters

| | | | | | | | |
|------------------|-----|---------------------|---|------------|-----------|-----------|--|
| Coliforms, Total | < 1 | MAC = None Detected | 1 | CFU/100 mL | Mar-17-15 | Mar-18-15 | |
| E. coli | < 1 | MAC = None Detected | 1 | CFU/100 mL | Mar-17-15 | Mar-18-15 | |

Sample ID: Well #5 (5030994-04) [Water] Sampled: Mar-16-15 08:55

Microbiological Parameters

| | | | | | | | |
|------------------|-----|---------------------|---|------------|-----------|-----------|--|
| Coliforms, Total | < 1 | MAC = None Detected | 1 | CFU/100 mL | Mar-17-15 | Mar-18-15 | |
| E. coli | < 1 | MAC = None Detected | 1 | CFU/100 mL | Mar-17-15 | Mar-18-15 | |