

# EMERGENCY RESPONSE & CONTINGENCY PLAN

## 2022

**Water System Name: Wix Brown.**

| Emergency Contacts                                                                                   | Name and Title                                    | Phone                                             | Fax          | E-mail                       |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|--------------|------------------------------|
| <b>Water System - Primary Contact</b><br>(person responsible for receiving call from lab and/or FHA) | Terry Walker                                      | Office :<br>604-534-3294<br>Cell:<br>604-841-7299 | 604-534-0841 | tewalker@sd35.bc.ca          |
| <b>Water System - Secondary Contact</b><br>(Should primary contact be ill or on vacation etc.)       | Brad Cairns                                       | Office :<br>604-534-3294<br>Cell:<br>604-830-6367 | 604-534-0841 | brcairns@sd35.bc.ca          |
| <b>Water System Owner</b>                                                                            | Langley School district #35                       | Ph:<br>604-534-3294                               | 604-534-0841 |                              |
| <b>Fraser Health Authority Contacts</b>                                                              |                                                   |                                                   |              |                              |
| Environmental Health Officer                                                                         | Barbara Haworth                                   | 604-870-7900                                      | 604-870-7901 | barb.haworth@fraserhealth.ca |
| Medical Health Officer                                                                               | <b>MHO Line 8-4:30</b><br><b>After Hours Line</b> | 604-587-3828or<br>1-877-342-6467<br>604-527-4806  |              |                              |
| Fraser Health After Hours Contact<br>(After 4:30 pm or on weekends)                                  | Fraser Health On-Call Staff                       | 604-527-4806                                      |              |                              |
| <b>Emergency Contacts</b>                                                                            |                                                   |                                                   |              |                              |
| Alternate Source of Water i.e. bottled water or bulk supply                                          | Allied Water Supply                               | 604-534-6085                                      |              |                              |
| Plumbing Services                                                                                    | District Facilities                               | 604-534-3294                                      |              |                              |
| Equipment Services i.e. Treatment/pumps                                                              | Union Pumps                                       | 604-533-3727                                      |              |                              |
| Electrical Services                                                                                  | District Facilities                               | 604-534-3294                                      |              |                              |
| B.C. Hydro                                                                                           |                                                   | 1-888-769-3766                                    |              |                              |
| Other                                                                                                |                                                   |                                                   |              |                              |

**Signature:** 

**Title:** Brad Cairns  
Manager, Mechanical Systems

**Name:** \_\_\_\_\_

**Date:** FEB 24 2022

## Analytical Report

|                                                                                     |                                                                                                |                                                                                                                                   |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Bill To: School District #35<br>20260 - 64 Avenue<br>Langley, BC, Canada<br>V3A 4P7 | Project ID:<br>Project Name:<br>Project Location:<br>LSD:<br>P.O.: S00023<br>Proj. Acct. code: | Lot ID: <b>1507158</b><br>Control Number:<br>Date Received: Jul 20, 2021<br>Date Reported: Jul 26, 2021<br>Report Number: 2643289 |
| Attn: Accounts Payable                                                              |                                                                                                |                                                                                                                                   |
| Sampled By:                                                                         |                                                                                                |                                                                                                                                   |
| Company:                                                                            |                                                                                                |                                                                                                                                   |

|                    |                    |
|--------------------|--------------------|
| Reference Number   | 1507158-4          |
| Sample Date        | July 20, 2021      |
| Sample Time        | 11:30              |
| Sample Location    |                    |
| Sample Description | Wix Brown / 9.5 °C |
| Sample Matrix      | Drinking Water     |

| Analyte                                  |                       | Units          | Result   | Nominal Detection Limit | Guideline Limit   | Guideline Comments |
|------------------------------------------|-----------------------|----------------|----------|-------------------------|-------------------|--------------------|
| <b>Metals Extractable</b>                |                       |                |          |                         |                   |                    |
| 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           | 0.0020   | 0.0001                  | 0.010             | Below MAC          |
| Barium                                   | Extractable           | mg/L           | <0.0001  | 0.0001                  | 2.0               | Below MAC          |
| Boron                                    | Extractable           | mg/L           | 0.075    | 0.002                   | 5                 | Below MAC          |
| Cadmium                                  | Extractable           | mg/L           | <0.00001 | 0.00001                 | 0.007             | Below MAC          |
| Chromium                                 | Extractable           | mg/L           | <0.00005 | 0.00005                 | 0.05              | Below MAC          |
| Copper                                   | Extractable           | mg/L           | 0.0008   | 0.0005                  | 1 AO; 2 MAC       | Below AO           |
| Lead                                     | Extractable           | mg/L           | 0.00002  | 0.00001                 | 0.005             | Below MAC          |
| Selenium                                 | Extractable           | mg/L           | <0.0002  | 0.0002                  | 0.05              | Below MAC          |
| Strontium                                | Extractable           | mg/L           | 0.0002   | 0.0001                  | 7.0               | Below MAC          |
| Uranium                                  | Extractable           | mg/L           | 0.00001  | 0.00001                 | 0.02              | Below MAC          |
| Vanadium                                 | Extractable           | mg/L           | 0.00058  | 0.00005                 |                   |                    |
| Zinc                                     | Extractable           | mg/L           | 0.0006   | 0.0005                  | 5.0               | Below AO           |
| <b>Microbiological Analysis</b>          |                       |                |          |                         |                   |                    |
| 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          |
| <b>Physical and Aggregate Properties</b> |                       |                |          |                         |                   |                    |
| Colour                                   | True                  | Colour units   | 5        | 5                       |                   |                    |
| Turbidity                                |                       | NTU            | 0.13     | 0.1                     | 0.1               | Below OG           |
| <b>Routine Water</b>                     |                       |                |          |                         |                   |                    |
| pH - Holding Time                        |                       |                | Exceeded |                         |                   |                    |
| pH                                       | at 25 °C              |                | 7.97     | 0.01                    | 7.0-10.5          | Within Range       |
| Electrical Conductivity                  |                       | µS/cm at 25 °C | 275      | 1                       |                   |                    |
| Calcium                                  | Extractable           | mg/L           | 0.02     | 0.01                    |                   |                    |
| Iron                                     | Extractable           | mg/L           | 0.023    | 0.004                   | 0.3               | Below AO           |
| Magnesium                                | Extractable           | mg/L           | 0.17     | 0.02                    |                   |                    |
| Manganese                                | Extractable           | mg/L           | 0.003    | 0.001                   | 0.02 AO; 0.12 MAC | Below AO           |
| Potassium                                | Extractable           | mg/L           | 2.0      | 0.04                    |                   |                    |
| Silicon                                  | Extractable           | mg/L           | 12       | 0.005                   |                   |                    |
| Sodium                                   | Extractable           | mg/L           | 61       | 0.1                     | 200               | Below AO           |
| T-Alkalinity                             | as CaCO3              | mg/L           | 144      | 5                       |                   |                    |
| Chloride                                 | Dissolved             | mg/L           | 1.72     | 0.05                    | 250               | Below AO           |
| Fluoride                                 | Dissolved             | mg/L           | 0.07     | 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           | 2.9      | 0.1                     | 500               | Below AO           |

## Analytical Report

|                              |                   |                             |
|------------------------------|-------------------|-----------------------------|
| Bill To: School District #35 | Project ID:       | Lot ID: <b>1507158</b>      |
| 20260 - 64 Avenue            | Project Name:     | Control Number:             |
| Langley, BC, Canada          | Project Location: | Date Received: Jul 20, 2021 |
| V3A 4P7                      | LSD:              | Date Reported: Jul 26, 2021 |
| Attn: Accounts Payable       | P.O.: S00023      | Report Number: 2643289      |
| Sampled By:                  | Proj. Acct. code: |                             |
| Company:                     |                   |                             |

|                    |                    |
|--------------------|--------------------|
| Reference Number   | 1507158-4          |
| Sample Date        | July 20, 2021      |
| Sample Time        | 11:30              |
| Sample Location    |                    |
| Sample Description | Wix Brown / 9.5 °C |
| Sample Matrix      | Drinking Water     |

| Analyte                   |                        | Units | Result | Nominal Detection Limit | Guideline Limit | Guideline Comments |
|---------------------------|------------------------|-------|--------|-------------------------|-----------------|--------------------|
| Routine Water - Continued |                        |       |        |                         |                 |                    |
| Hardness                  | as CaCO3 (extractable) | mg/L  | <1.00  | 1                       |                 |                    |
| Total Dissolved Solids    | Extractable            | mg/L  | 187    | 1                       | 500             | Below AO           |

Approved by:



Reena Badwal  
Operations Chemist

Data have been validated by Analytical Quality Control and Element'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.

## Sample Range Report

Fraser Health Authority

**Facility Name:** Wix Brown Elementary School WS

**Date Range:** Jan 1 2021 to Dec 31 2021

**Operator** Brad Cairns  
20260 64th Ave  
Langley, BC V3A 4P7

| Sampling Site                                    | Date Collected           | Total Coliform | E. Coli | Fecal Coliform |
|--------------------------------------------------|--------------------------|----------------|---------|----------------|
| <u>Mechanical Room,</u><br><u>23851 24th Ave</u> | 1-12-2021 10:20:00<br>AM | LT1            | LT1     |                |
|                                                  | 1-25-2021 10:35:00<br>AM | LT1            | LT1     |                |
|                                                  | 2-9-2021 10:45:00<br>AM  | LT1            | LT1     |                |
|                                                  | 2-23-2021 11:05:00<br>AM | LT1            | LT1     |                |
|                                                  | 3-9-2021 10:30:00<br>AM  | LT1            | LT1     |                |
|                                                  | 3-23-2021 10:25:00<br>AM | LT1            | LT1     |                |
|                                                  | 4-13-2021 10:30:00<br>AM | LT1            | LT1     |                |
|                                                  | 4-28-2021 10:35:00<br>AM | LT1            | LT1     |                |
|                                                  | 5-10-2021 10:15:00<br>AM | LT1            | LT1     |                |
|                                                  | 5-25-2021 10:15:00<br>AM | LT1            | LT1     |                |
|                                                  | 6-8-2021 10:25:00<br>AM  | LT1            | LT1     |                |
|                                                  | 6-22-2021 10:05:00<br>AM | LT1            | LT1     |                |
|                                                  | 7-6-2021 10:25:00<br>AM  | LT1            | LT1     |                |
|                                                  | 7-20-2021 11:35:00<br>AM | LT1            | LT1     |                |
|                                                  | 8-10-2021 10:25:00<br>AM | LT1            | LT1     |                |
|                                                  | 8-24-2021 10:30:00<br>AM | LT1            | LT1     |                |
|                                                  | 9-7-2021 10:35:00<br>AM  | LT1            | LT1     |                |
|                                                  | 9-21-2021 8:25:00<br>AM  | LT1            | LT1     |                |
|                                                  | 10-5-2021 8:25:00<br>AM  | LT1            | LT1     |                |
|                                                  | 10-19-2021 8:20:00       | LT1            | LT1     |                |

|                        |            |            |          |
|------------------------|------------|------------|----------|
| AM                     |            |            |          |
| 11-8-2021 10:15:00     | LT1        | LT1        |          |
| AM                     |            |            |          |
| 11-23-2021 10:35:00    | LT1        | LT1        |          |
| AM                     |            |            |          |
| 12-8-2021 10:20:00     | LT1        | LT1        |          |
| AM                     |            |            |          |
| 12-20-2021 10:20:00    | <u>LT1</u> | <u>LT1</u> |          |
| AM                     |            |            |          |
| <b>Total Positive:</b> | <b>0</b>   | <b>0</b>   | <b>0</b> |

Kitchen, 23851 24th  
Ave

|                    |     |     |
|--------------------|-----|-----|
| 1-12-2021 10:15:00 | LT1 | LT1 |
| AM                 |     |     |
| 1-25-2021 10:30:00 | LT1 | LT1 |
| AM                 |     |     |
| 2-9-2021 10:40:00  | LT1 | LT1 |
| AM                 |     |     |
| 2-23-2021 11:00:00 | LT1 | LT1 |
| AM                 |     |     |
| 3-9-2021 10:45:00  | LT1 | LT1 |
| AM                 |     |     |
| 3-23-2021 10:20:00 | LT1 | LT1 |
| AM                 |     |     |
| 4-13-2021 10:25:00 | LT1 | LT1 |
| AM                 |     |     |
| 4-28-2021 10:30:00 | LT1 | LT1 |
| AM                 |     |     |
| 5-10-2021 10:10:00 | LT1 | LT1 |
| AM                 |     |     |
| 5-25-2021 10:10:00 | LT1 | LT1 |
| AM                 |     |     |
| 6-8-2021 10:30:00  | LT1 | LT1 |
| AM                 |     |     |
| 6-22-2021 10:00:00 | LT1 | LT1 |
| AM                 |     |     |
| 7-6-2021 10:20:00  | LT1 | LT1 |
| AM                 |     |     |
| 7-20-2021 11:30:00 | LT1 | LT1 |
| AM                 |     |     |
| 8-10-2021 10:20:00 | LT1 | LT1 |
| AM                 |     |     |
| 8-24-2021 10:35:00 | LT1 | LT1 |
| AM                 |     |     |
| 9-7-2021 10:30:00  | LT1 | LT1 |
| AM                 |     |     |
| 9-21-2021 8:20:00  | LT1 | LT1 |
| AM                 |     |     |
| 10-5-2021 8:20:00  | LT1 | LT1 |
| AM                 |     |     |
| 10-19-2021 8:15:00 | LT1 | LT1 |
| AM                 |     |     |
| 11-8-2021 10:10:00 | LT1 | LT1 |

|                        |            |            |
|------------------------|------------|------------|
| AM                     |            |            |
| 11-23-2021 10:30:00    | LT1        | LT1        |
| AM                     |            |            |
| 12-8-2021 10:15:00     | LT1        | LT1        |
| AM                     |            |            |
| 12-20-2021 10:25:00    | <u>LT1</u> | <u>LT1</u> |
| AM                     |            |            |
| <b>Total Positive:</b> | <b>0</b>   | <b>0</b>   |

**0**

|                       |                      |                      |                         |
|-----------------------|----------------------|----------------------|-------------------------|
| <b>Result Values:</b> | <b>E - estimated</b> | <b>L - less than</b> | <b>G - greater than</b> |
|-----------------------|----------------------|----------------------|-------------------------|

|                                                                |     |                |
|----------------------------------------------------------------|-----|----------------|
| 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

Jan 27 2022

FOR FURTHER INFORMATION PLEASE CALL: Barb Haworth