

# PIERS ISLAND IMPROVEMENT DISTRICT ANNUAL REPORT

(Drinking Water System Name)

|   |  |  |
|---|--|--|
| Reporting Period:   | January to December, 2021  |  |
| Operating Permit Number:  | 64000500   |  |
| Drinking Water System Owner:  | Piers Island Improvement District  |  |
| Drinking Water System Contact:  |  |  |
| Trustee: Monique Joubarne<br>Telephone: (778) 433-5155<br>Email: <a href="mailto:monique@piersisland.ca">monique@piersisland.ca</a> | Lead Operator.: Philippa White<br>Telephone: 250-656-0568<br>Email: <a href="mailto:northmeadowfarm@telus.net">northmeadowfarm@telus.net</a> | PIID Secretary: Velvet Warrior<br>Telephone: 250 655-1101<br>Email: <a href="mailto:secretary@piersisland.ca">secretary@piersisland.ca</a> |

- 1 Microbiological testing completed during this reporting period:**
- a. bacteriological results are available from Operator or Secretary
  - b. adverse bacteriological results:  None detected  
 Listed in table below:

**Adverse Results:**

|  | Total coliform | E. Coli | Reason | Corrective Action |
|--|----------------|---------|--------|-------------------|
|  |                |         |        |                   |
|  |                |         |        |                   |

- 2 Chemical results for this reporting period:**
- a. All recent chemical analysis are available from Operator or Secretary.
  - b. chemical parameters listed in *The Guidelines for Canadian Drinking Water Quality ("the Guidelines")* are:
    - all within Guidelines (Quarterly THM's).
    - above the Guidelines and are listed below:

**Parameters above the Guidelines:**

| Parameter | Result | Max. Acceptable Concentration | Aesthetic Objective | Treatment/Corrective Action |
|-----------|--------|-------------------------------|---------------------|-----------------------------|
|           |        |                               |                     |                             |
|           |        |                               |                     |                             |

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

- no additional testing
- additional testing listed below:

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## Additional testing:

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

## 4 Water Quality Complaints:

During the course of the year, the water system:

- did not receive water quality complaints (i.e., taste, odour, colour, etc)  
 received water quality complaints and are listed below:

### Water Quality Complaints:

| Date | Water quality complaint | Corrective action taken |
|------|-------------------------|-------------------------|
|      |                         |                         |
|      |                         |                         |

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

- No adverse results  
 Adverse results listed below:

### Adverse Results:

| Incident date | Corrective action | Corrected by |
|---------------|-------------------|--------------|
|               |                   |              |
|               |                   |              |
|               |                   |              |

## 6 Description of the system:

Sources of raw water:

- Groundwater  
 Surface water  
 Other (specify): CRD from North Saanich connection

Does the drinking water system have disinfection?     Yes     No

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Disinfection methods (check boxes that apply):

- Chlorination
- Ultraviolet light
- Ozonation
- Other (specify): \_\_\_\_\_

Does the drinking water system have treatment?  Yes  No

Treatment type (check boxes that apply):

- Particulate cartridge filters
- Membrane filtration
- Carbon filter
- Sand filtration
- Reverse osmosis
- Other (specify): \_\_\_\_\_

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

To purchase or install required equipment: None (new water tower previous year) \$15,750 (removal and disposal of old water tower)

To repair equipment: \$260 (Repaired standpipe)

To replace equipment: \$717 (New more powerful, pump required for Chlorination system to work with new water tower) \$2,800 (New pressure reducing valve but not installed until 2022)

To complete annual maintenance of system: (system flushing, replacement of carbon filters, etc.) \$4,456 (lab tests, chlorine, other supplies)

To complete specialist report (specify): N/A

## 8 Further communication with users:

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

- hand delivered
- public access / notice via web
- public access / notice via government office
- public access / notice via newspaper
- public access / notice via bill stuffer
- public access / notice via other method (specify):

AGM & AGM Minutes, Regular Board of Trustees Meeting Minutes, Improvement District website

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

- no action required
- Drinking Water Officer inspection report attached to report
- actions required by Drinking Water Officer listed below:

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## Improvements/Remedial Actions:

| Required action  | Completion date |
|--|-----------------|
| No on-site system inspection was performed during 2021 by EHO due to COVID-19  | TBD             |
| New Water Tower project completed. Approval for Commissioning received Jan 22. Larger pump required for Chlorination system. | Jan 22          |
| Old wood stave water tower deconstructed and removed.  | Aug 19          |
| Standpipe shut off valve repaired.   | Sep 3           |

c. Future water system improvements:

- no improvements planned  
 improvements listed below:

## Future Improvements:

| Future plans | Planned completion date |
|--------------|-------------------------|
|              |                         |
|              |                         |

d. Emergency Response Plan can be accessed by:

- posting on web  
 posting at nearest government office  
 contacting water system owner  
 Other (specify): Water Trustee or PIID Secretary