

# PIERS ISLAND IMPROVEMENT DISTRICT ANNUAL REPORT

(Drinking Water System Name)

Reporting Period:	January to December, 2017
Operating Permit Number:	64000500
Drinking Water System Owner:	Piers Island Improvement District
Drinking Water System Contact:	
Trustee: Charlie Troger Telephone: 250 213-1459 Email: <a href="mailto:Charlie@piersisland.ca">Charlie@piersisland.ca</a>	
Lead Operator: Mary Jordan Telephone: 250 656-6434 Email: <a href="mailto:mbj2@telus.net">mbj2@telus.net</a>	
Admin. Asst.: Maureen Crooks Telephone: 250 656-9864 Email: <a href="mailto:Maureen@piersisland.ca">Maureen@piersisland.ca</a>	

**1 Microbiological testing completed during this reporting period:**

- a. bacteriological results are available from Lead Operator or Admin. Assistant.
- b. adverse bacteriological results:    None detected  
    Listed in table below:

**Adverse Results:**

Date	Total coliform	E. Coli	Reason	Corrective Action
Feb.1, 2017	1		Residence; 95 McKenzie Cres.	Discussed with VIHA DWO. MB Lab sample of same day for all locations reported zero coliforms. DWO agreed no action would be required based on negative results from MB Labs for same date.
Mar. 1, 2017	1		Pump house #1 (intake)	Discussed with VIHA DWO. MB Lab sample of same day for all locations reported zero coliforms. DWO agreed no action would be required based on negative results from MB Labs for same date.

**2 Chemical results for this reporting period:**

- a. All recent chemical analysis are available from Lead Operator or Admin. Assistant.
- b. chemical parameters listed in *The Guidelines for Canadian Drinking Water Quality ("the Guidelines")* are:
  - all within Guidelines (Quarterly THM's & HAA's).
  - above the Guidelines and are listed below:

# PIERS ISLAND IMPROVEMENT DISTRICT ANNUAL REPORT

(Drinking Water System Name)

### 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:

#### Additional testing:

Description of parameter & reason for sampling	Health parameter or non-health related parameter	Corrective action necessary (Y/N?)	Corrective action taken
Annual Metal Scan at storage tank	All constituents tested meet Canadian and British Columbia drinking water standards.	N	None needed

### 4 Water Quality Complaints:

During the course of the year, the water system:

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

#### Water Quality Complaints:

Date	Water quality complaint	Corrective action taken

**PIERS ISLAND IMPROVEMENT DISTRICT ANNUAL REPORT**

(Drinking Water System Name)

**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

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: < \$1000 .
- To repair equipment: < \$500 .
- To replace equipment: None .
- To complete annual maintenance of system: (*system flushing, replacement of carbon filters, etc*) Normal annual servicing costs .
- To complete specialist report (specify): None .

# PIERS ISLAND IMPROVEMENT DISTRICT ANNUAL REPORT

(Drinking Water System Name)

## 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:

### Improvements/Remedial Actions:

Required action	Completion date
Continue to monitor chlorine residuals closely but no infrastructure changes are recommended until new disinfection process changes at the Japan Gulch treatment centre are implemented and assessed for effectiveness in raising the chlorine residuals throughout the Greater Victoria water system, especially the Peninsula consumer areas.	Oct/Nov 2017

c. Future water system improvements:

- no improvements planned
- improvements listed below:

### Future Improvements:

Future plans	Planned completion date
Improvement District is initiating project to replace the storage tank.	3 to 5 years.

d. Emergency Response Plan can be accessed by:

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