



# DRINKING WATER SYSTEM INSPECTION REPORT

Health Protection

SYSTEM NAME <u>Cowichan Bay Waterworks District</u>	E.H.O. NAME <u>Alicia Parayno</u>
ADDRESS <u>1760 Pavennam Rd.</u>	POSTAL CODE SYSTEM NUMBER
OPERATOR <u>Cowichan Bay Waterworks District</u>	INSPECTION DATE (DMY) <u>13 Mar 12020</u>
TIME SPENT (Hrs - nearest 1/4) <u>2h</u>	
SYSTEM TYPE (CHECK One)	
<input type="checkbox"/> > 20,000 (DWP) <input type="checkbox"/> 10,001 - 20,000 (DWM) <input checked="" type="checkbox"/> 301 - 10,000 (DWT) <input type="checkbox"/> 15 - 300 (DWC) <input type="checkbox"/> 2 - 14 (DWS)	
<input type="checkbox"/> 1 - SERVES PUBLIC (DWO) <input type="checkbox"/> 1 HAULER (DWH)	
TYPE OF INSPECTION	
<input type="checkbox"/> INITIAL <input checked="" type="checkbox"/> ROUTINE	
<input type="checkbox"/> COMPLAINT <input type="checkbox"/> FOLLOW-UP	

### CRITICAL HAZARD

These items relate to Public Health Safety & MUST RECEIVE IMMEDIATE ATTENTION

#### Microbiological Contamination of Raw Water Supply Due to:

- 301 Flood
- 302 Sewage
- 303 Industrial
- 304 Agriculture
- 305 Other (Specify) \_\_\_\_\_
- 306 Chemical Contamination of Raw Water Supply
- 307 Contamination of Finished Water - Reservoir
- 308 Contamination of Finished Water - Mains
- 309 Cross-Connection
- 310 Use of Unapproved Source
- 311 Interruption of Treatment
- 312 Inadequate Treatment
- 313 Other (Specify) \_\_\_\_\_

### SANITATION & MAINTENANCE

These items must be corrected within a designated time period

- 314 Improper Maintenance of Distribution System
- 315 Improper or No Disinfection of New or Repaired Main
- 316 Source Unprotected and Subject to Contamination
- 317 Inadequate or Improper Construction of Water Works
- 318 Inadequate Microbiological Analysis Data
- 319 Inadequate Chemical Analysis Data
- 320 Interruption of Treatment
- 321 Inadequate Treatment
- 322 Emergency Response Plan
- 323 Other (Specify) \_\_\_\_\_

### CODE FINDINGS AND ACTIONS REQUIRED

- The primary well sources are the Valleyview Centre Wells (ID# 13088 + 38473). Other wells (ID# 13060, 13061, 13062) are supplementary/back up. No ponding water or sources of contamination observed immediately around well heads. Wells + pumping stations are secure. All pumphouses are equipped with liquid chlorine injectors.

(Notes: 1) At time of inspection, maintenance work occurring at Valleyview Pumphouse → replacing old chlorine feeder with new (2 chlorine feeders) and moving injection point downstream where both Valleyview wells blend thus providing the ability to isolate well equipment for future maintenance. 2) Discussed Ministry of Health's "Guidance for Determining GARP" - assessments to be done for all well supplies; EHO to further discuss

- Reservoirs are secure. Facilities inspected 2x weekly. Remote inspection inside reservoirs ~ 2 years, cleaned as required.

- Gravity fed water distribution. ~ 750 connections. Uni-directional flushing occurs annually.

- operational and maintenance documentation are being maintained - chlorine residuals are monitored + recorded 2x weekly; ~ 0.5 ppm chlorine residual maintained in distribution.

- 2019 Annual Report and updated ERP received Apr. 15, 2020 → ERP includes COVID-19 pandemic response as discussed.

- Recent water bacteriological results have been satisfactory. Reservoir sampling sites added. Discussed including raw (untreated) sampling sites to evaluate source water quality. Please submit water sampling schedule in writing.

- Most recent chemical analysis done in 2018 (well # 13088 + Telegraph Reservoir).

- EOP Level 2 / 3 distribution operators (contracted)

Page 1 of 1

At the time of inspection this system has a hazard rating of  HIGH  MODERATE  LOW  Issue Permit  Conditions of Permit

FOLLOW UP  VISIT  PHONE Date 1/1

RECEIVED BY Completed after inspection → e-mailed to CBWWD + operator PRINT NAME Alicia Parayno E.H.O. Alicia Parayno

H. EHO FORM DRINKING WATER SYSTEM INSPECTION REPORT - APRIL 2010 WHITE COPY - OPERATOR YELLOW COPY - INTERNAL PINK COPY - E.H.O.