

Emergency Response Plan

CONTACT LIST	2
---------------------------	----------

SITUATIONS & PROCEDURES

BACKFLOW	4
CONTAMINATION OF WATER	4
EARTHQUAKE.....	4
FIRE	4
FLOODING	4
GENERATOR FAILURE.....	4
LOSS OF WATER (dry well).....	4
LOW RESERVOIR (loss of pressure).....	5
POSITIVE COLIFORM COUNT	5
PUMP FAILURE.....	5
SECURITY BREACH (vandalism, tampering, unauthorized access).....	5
TURBIDITY	6
WATER MAIN BREAK.....	6

COMMUNICATIONS	7
-----------------------------	----------

APPENDICES

ADVISORIES.....	8
INVENTORY and REPAIR TOOLS	13
MAP OF WATER SYSTEM.....	21

CONTACT LIST

EMERGENCY NUMBERS

Police, Fire, Ambulance – Dial 9-1-1
BC NurseLine 8-1-1, or HealthLinkBC.ca
Poison Control 1-800-567-8911

NON-EMERGENCY POLICE, FIRE DEPT, HOSPITAL

RCMP Powell River, 604-485-6255

FIRE CHIEF Chris Philpott, SIVFD, 604-414-9495, sivfdchief@qathet.ca

Powell River General Hospital, 604-485-3211

EMERGENCY RESPONSE PROGRAM

MANAGER EMERGENCY SERVICES Ryan Thoms, 604-414-4553, rthoms@qathet.ca

MEDIA

RADIO 95.7 Coast FM 604-485-4207; 98.9 The Goat FM 250-331-4033; 99.7 2Day FM 250-331-4033

NEWSPAPER Powell River Peak, 604-485-5313

MAILCHIMP email list to water customers

SAVARY SHORES IMPROVEMENT DISTRICT

RECENT NOTICES: savaryshoreswater.ca/news

EMERGENCY COORDINATOR

SSID OPERATOR Kerby Fisher

Cell 1-250-702-1699, kerbyfisher@gmail.com

The Operator will determine the best courses of action, provide direction to personnel, and establish an Emergency Coordination Centre if necessary.

EMERGENCY COMMUNICATIONS

SSID ADMINISTRATOR Janine Reimer

Voice 604-414-8448, Text 604-223-1959, administrator@savaryshoreswater.ca

The Administrator will contact emergency response, health authorities, trustees, SSID water users, and media if necessary.

TRUSTEES

TRUSTEE CHAIR Bryan Miles, Savary Island / Courtenay 250-650-1940, brm1292@gmail.com

TRUSTEE Lee Davis, Savary Island 250-889-8309, the_rhino_chaser@hotmail.com

TRUSTEE Brent Brucker, Savary Island / Courtenay 250-897-6176, r.b.brucker@shaw.ca

PUBLIC HEALTH CONTACTS

PRIMARY CONTACT Jack Davidson, Drinking Water Officer

Office 604-485-3335, jack.davidson@vch.ca

BACKUP VCH OFFICERS

Darren Molder Mgr DWO, office 885-8711, darren.molder@vch.ca

Mike Nguyen Sr DWO, office 604-485-3324, michael.nguyen@vch.ca

SERVICES & SUPPLIES

BOTTLED WATER	Aaron Service, Powell River 604-485-5611
BULK WATER HAULER	Lund Water Taxi, Lund 604-483-9749
ELECTRICAL	Lund Electric, Lund 604-414-8238
EXCAVATING	Eric's Savary Island Services, Savary Island 604-483-4959
FIRE HYDRANTS	Terminal City Ironworks, Langley 1-888-443-4493
GATE VALVES	Terminal City Ironworks, Langley 1-888-443-4493
GENERATORS	Lund Marine, Lund 604-483-4612
PIPES, PLUMBING, CONNECTIONS	Pete's Plumbing & Heating, Powell River 604-485-9761
PUMPS	CanWest Drilling, Powell River 604-485-4250
TRANSPORTATION	Lund Water Taxi, Lund 604-483-9749

SITUATIONS & PROCEDURES

BACKFLOW

ACTIONS

- Notify Drinking Water Officer, Vancouver Coastal Health
- Notify water users, from list at bottom of this ERP, to boil water for two minutes or take other disinfection procedures in accordance with recommendation of local health officials
- After-repairs, purge and disinfect lines as directed

CONTAMINATION OF WATER

ACTIONS

- Operator to shut down pump
- Notify Drinking Water Officer, Vancouver Coastal Health
- Notify water users either to not drink the water, or to boil first

ADDITIONAL CONTACTS

Depending on severity:

Provincial Emergency Preparedness

Police

Ministry of Environment

EARTHQUAKE

ACTIONS

- Get to safety, and assess damage
- Follow protocols related to damage incurred

FIRE

ACTIONS

- Call 9-1-1

LOSS OF WATER (dry well)

ACTIONS

- Operator to shut down pump
- Ensure pump is shut off, to protect pump
- Contact well driller for advice & assistance
- Notify Drinking Water Officer, Vancouver Coastal Health
- Notify water users, from list at bottom of this ERP, about interruption of water
- Arrange alternate source; E.g. bottled water, bulk hauler, storage tank

LOW RESERVOIR (loss of pressure)

ACTIONS

- Check the generator and pumps
- If unable to rectify immediately after assessing, notify Drinking Water Officer, Vancouver Coastal Health
- Notify water users, from list at bottom of this ERP, about low-level water reservoir
- Arrange alternate source; E.g. bottled water, bulk hauler, storage tank

MEDICAL

ACTIONS

- Call 9-1-1

POSITIVE COLIFORM COUNT

ACTIONS

- Consult health authority
- Flush & resample as per his direction
- Check for backflow

IF 2nd POSITIVE COLIFORM COUNT

- Consult health authority and follow directions

POWER FAILURE (generator)

ACTIONS

- Start up alternate generator
- Call generator mechanic, and/or electrician, and arrange for repairs
- Arrange alternate source; E.g. bottled water, bulk hauler, storage tank

PUMP FAILURE

ACTIONS

- Determine which pump has failed, by watching the water meters to see if they are spinning when a pump activates
- Change the pump selection switch to the working pump
- Contact well driller for advice and assistance to repair or replace pump
- If both pumps have failed, arrange alternate source, E.g. bottled water or bulk hauler, and contact well driller

SECURITY BREACH (vandalism, tampering, unauthorized access)

ACTIONS

- In case of **vandalism**: Call RCMP, check equipment and buildings for damage
- In case of **equipment tampering**: Call RCMP, and monitor distribution system for failures

- In case of **water tampering**: Call RCMP, issue Boil Water Advisory, and test water
- In case of **unauthorized access**: Identify the individuals, and communicate with them or call RCMP

PREVENTIVE ACTIONS

- Access to the wells, tanks, generators, and storage is restricted by locks.
- Ensure all necessary personnel know how to turn on and off the generators and the water supply system itself.
- Ensure all equipment and chemicals are stored securely, using health and safety practices.
- Ensure the building that houses the equipment is a safe structure.
- Install motion-sensor lights and security alarms if they are available.
- Install a smoke detector, and change the batteries annually.
- Regularly back-up data, computer files and log books, and store copies offsite.

TURBIDITY

ACTIONS

- Identify source and location of the turbidity and remedy situation.
- Notify Drinking Water Officer, Vancouver Coastal Health
- Notify water users, from customer list of any direction from Drinking Water Officer

WATER MAIN BREAK

ACTIONS

- Reduce pressure, but maintain enough pressure to prevent backflow.
- Call for repairs; E.g. plumber, excavator.
- Notify water users, from list at bottom of this ERP, about interruption of water
- Notify Drinking Water Officer, Vancouver Coastal Health
- Arrange alternate source; E.g. bottled water, bulk hauler, storage tank

COMMUNICATIONS

If real and immediate threat to the safety of the District's water supply

- Contact the local Environmental Health officer, Medical Health Officer, or other Ministry of Health official for instruction

- Alert water consumers to the danger:

1. Contact local media and the Lund Water Taxi directly or instruct personnel at the Coordination Centre to contact the local media. The message given to local media for broadcast should include a request that consumers notify their immediate neighbours who may not be aware of the danger. Two samples of media announcements are included in this plan.

2. Contact the water users directly, by email, by tel, or instruct personnel at the coordination centre to contact the water users directly. The message given to the water users should include a request that consumers notify their immediate neighbours who may not be aware of the danger.

3. Display sandwich-board signage of Boil Water Advisory, or other emergency.

4. Hand deliver Advisory Notices indicating the potential danger. Samples of “Advisory Notice” are included in this plan.

5. Post Advisory Notices at the boundaries of SSID, on the docks at Savary and Lund, at the Water Taxi office, and on general notice boards advising people about the emergency.

Appendix A – Sample Media Announcement

Savary Shores Improvement District
2785 Vancouver Blvd, Savary Island, BC VoN 2Go 604-414-8448
administrator@savaryshoreswater.ca

MEDIA ANNOUNCEMENT Pre-Alert, Form 1

Due to problems with the water system of the Savary Shores Improvement District, we are in the process of contacting the Environmental Health Officer.

The water could be unfit for drinking or domestic use and, as a precaution, should be boiled for two minutes prior to consumption.

All residents are requested to notify their immediate neighbours who may be unaware of the potential danger.

More information will follow as soon as it is available.

Any questions may be directed to the Emergency Coordinator, _____ at the following phone number: _____

Signature, Emergency Coordinator

Copies to:

Lund Water Taxi 604-483-9749, CHQB Radio 604-485-4207, Powell River Peak Newspaper 604-485-5313, CBC News 604-662-6801

Appendix B – Sample Media Announcement – Full Alert

Savary Shores Improvement District
2785 Vancouver Blvd, Savary Island, BC VoN 2Go 604-414-8448
administrator@savaryshoreswater.ca

MEDIA ANNOUNCEMENT Full Alert, Form 2

This is to advise that the Environmental Health Officer has issued a boil advisory to all residents within Savary Shores Improvement District.

The water is presently considered unfit for drinking or domestic use and should be boiled for two minutes prior to consumption.

All residents are requested to notify their immediate neighbours who may be unaware of the potential danger.

More information will follow as soon as it is available.

Any questions may be directed to the Emergency Coordinator, _____ at the following phone number: _____

Signature, Emergency Coordinator

Copies to:

Lund Water Taxi, 604-483-9749 CHQB Radio, 604-485-4207 Powell River Peak Newspaper, 604-485-5313 CBC News, 604-662-6801

Appendix C – Sample Notices

Boil Advisory, Chlorination Flush and Lift Boil Advisory

Savary Shores Improvement District

TO ALL RESIDENTS OF SAVARY SHORES IMPROVEMENT DISTRICT

A Boil Advisory is in Effect

Our most recent samples failed and show that contamination exists in the water system.

ALL DRINKING WATER SHOULD BE BOILED FOR A MINIMUM OF TWO MINUTES

THIS ADVISORY IS IN EFFECT UNTIL FURTHER NOTICE

Date of issue of this notice _____

By Order of the Trustees of SSID

Savary Shores Improvement District

NOTICE to LOT OWNERS

Chlorination Flush

Lot owners are advised to stockpile a supply of water today as the water system will be SHUT DOWN

Lot owners are instructed to refrain from using water from the water system from

TODAY, _____
to allow for a chlorination flush of the system.

When the system is turned back on at _____, lot owners **MUST** run a tap in their residence for a minimum of five minutes before using the water in order to clear the heavily chlorinated water from the line between the main and their curbstop.

THE BOIL ADVISORY REMAINS IN FORCE

until we receive sample results which are clear of contamination
All Drinking Water Must be Hard Boiled for at least two minutes

By order of the Trustees

Savary Shores Improvement District

TO ALL RESIDENTS OF SAVARY SHORES IMPROVEMENT DISTRICT

Boil Advisory has been lifted

Our most recent samples passed and now show that no contamination exists in the water system.

Date of issue of this notice: _____

By Order of the Trustees of SSID

SSID INVENTORY, JANUARY 1, 2024 - DECEMBER 31, 2024	
ADAPTORS & COUPLINGS - <i>for connections</i>	
Adaptor coupling, 1" C44-44	0
Adaptor C84-34Q 3/4 MIP x 1 Comp	1
Coupling 3/4 comp x 3/4 comp	10
Coupling C44-33Q 3/4 comp x 3/4 comp CGB-FOR-C44-33Q	5
Coupling C44-44Q 1 comp x 1 comp CGB-FOR-C44-44Q	2
Adaptor coupling, Ford with 3/4" clamp C84-33	0
Adaptor coupling 3/4" compression MIP adapter, Pete'sPlumb	0
Adaptors 1/2" mip x 1/2" solder	7
Coupling to municipal tube stub, 3/4", 2022 price	2
BALL VALVES - <i>for connections</i>	
Ball valve 3/4"	5
Ball valve 3/4", Pete'sPlumb	0
CORP STOPS - <i>for infrastructure</i>	
Corporation stop 1" B44-444 comp x comp / coupling w/ball vv	2
Corporation stop 1" FB1100-4	0
Corporation stop 1" MIPx Comp FB1100-4	0
Corporation stop 1" MIP x 1" PJ for CTS Ballcorp	0
Corp stop 1" MIP x 1" PJ for CTS Ballcorp 2022	0
CURB STOPS - <i>for connections</i>	
Curb stop, Ford B13-323 3/4"	0
Straight Curb Stop 3/4x5/8x3/4 3/4 FIP x 3/4 Meter swivel Nut CUR-FOR-B13-232W	6
Curb stop, 3/4" ball NL CMB for 3/4" munic.line	0
Curb stop, 3/4" FIP x 3/4" Mtr Nut Valve	1
FLOAT SWITCHES - <i>for infrastructure</i>	
Float switch	1
CHECK VALVES - <i>for connections</i>	
Dual check valve, Ford HHS-31-323	5
Dual check valve, Pete'sPlumb	0

HOSE BIBS - <i>for connections</i>	
Hose bib 1/2"	2
Hose Bib 1/2" DRN-CBS-050	2
Hose Bib 1/2", Pete'sPlumb	0
INSERTS - <i>BOTH infrastruc & connec's</i>	
SS inserts #52 for 1" munic. tube, 2 per install - <i>infrastructure</i>	16
SS inserts for 1" munic. tube, Pete'sPlumb - <i>infrastructure</i>	0
SS inserts #51 for 3/4" munic. tube, 2 per install - <i>connection</i>	10
SS inserts #51 for 3/4" munic. tube, Pete'sPlumb - <i>connection</i>	0
METERS - <i>separate capital cost</i>	
Meter - Neptune old order	0
Meter Neptune 5/8" x 3/4" ProCoder	1
Meter Neptune 5/8 x 3/4 T-10 M3 ProCoder Water Meter, H.P. to Pit Pad MTR-NEP-T10-M3 BPH	1
Meter Neptune 5/8 x 3/4 T-10 M3 ProCoder Water Meter, H.P. to Pit Pad MTR-NEP-T10-M3 BPH	0
METER BOXES - <i>for infrastructure</i>	
Meter box, Ametec jumbo 25-3/4" x 19-5/8" x 12"	1
Meter box riser, Ametec 22-1/2" x 16-1/2" x 6-1/2"	6
Meter box lid, Ametec 19-1/2" x 13-3/4" x 1-3/4" Emco	0
Meter box lids, 8 small	8
MUNICIPAL TUBING - <i>BOTH infrastruc & connec's</i>	
Municipal tubing, 1" 100-ft rolls - <i>infrastructure</i>	0
Municipal tubing, 3/4", 2024 price Iritex - <i>connection</i>	0
Municipal tubing, 3/4", 2024 price Pete'sPlumbing - <i>connection</i>	0
NIPPLES - <i>for connections</i>	
Nipple, brass 3/4" x 4" long	1
Nipple, brass 3/4 X 4" BNP-KIN-075 400	2
Nipple, brass 3/4 X 4", Pete'sPlumb	0
Nipple, brass, 1/2" x 2"	4
SADDLES - <i>for infrastructure</i>	

Saddle, hinged, 4" 690404	0
Ford 4"x 1" Brass Hinged Saddle (C900)	1
Saddle, 4" x 1" IP Brass Saddle for PVC Pipe: CREDIT NOTE	(1)
Saddle, hinged, 6" 690406	4
TEES - for connections	
Tee, brass reducing 3/4" x 1/2" x 1/2"	8
Tee, brass reducing 3/4" x 3/4" x 1/2"	1
Tee, brass reducing 3/4 x 3/4 x 1/2 BNP-KIN-0750A	2
Tee, brass reducing 3/4 x 3/4 x 1/2, Pete'sPlumb	0
U-BRANCHES - for infrastructure	
U-branch, Ford U-48-43-7.5	0
U-branch 3/4" PJ x Two 3/4" MIP 7.5" Sp.	2
WASHERS - for connections	
Washers GT114, 2 per install, guessed qty 20	20
Repair and Maintenance Materials	
ARV replace't 2024: nipples, tees, bushing, ball valves, elbows	0
Ball Valve, brass, 2"	1
Bend, 90-degree. FourStarWW	1
4-Bolt packages for gate valves	2
Coupling, brass, female/female 3/4" x 3/4"	0
Coupling, brass, 1" x 1"	6
Coupling, IP, galv., 4"	2
Coupling, 3/4"cts-3/4"cts PJ brass	5
Coupling, Robar, 4"-3"	1
Coupling, Smith Blair, 3"	3
Coupling, Smith Blair, 4"	3
Coupling, 4-inch, FourStarWW	0
Coupling, 6-inch, FourStarWW	0
C900 pipe 100mm (4") X 6.1m DR18	5
C900 pipe 150mm (6") X 6.1m DR18	4
Drip valve assembly (hydrant)	5
Drip valve assembly rubber seal (hydrant)	4
Gasket, flange, 3" rubber	4
Gasket, flange, 4" neoprene	1

Gasket, flange, 4" rubber FourStarWW	1
Gasket, 4 TYT-IPS TRANS FourStarWW	0
Gasket, flange, 4" rubber	2
Gate seals TC hydrant #20	10
Gate valve, 4-inch FourStarWW	1
Gate valve reverse handwheel returned. PST not refunded.	0
Gland, gate vv, 4"	4
Gland, gate vv, 4"	1
Gland, gate vv, 6"	1
Head gasket #46	1
Hose cap gasket 2-1/2" for TC hydrants	22
Meter gaskets, 2"	3
Operating stem gland [ZERO IN STOCK]	0
O-ring for operating stem	23
O-ring seal, 4" gate vv stem	14
O-ring seal, 4"gate vv gland	15
O-ring seal, 6" gate vv gland	4
O-ring seal, 6" gate vv stem	10
PVC 75mm - 3in @ \$14.86/m + PST. 1997 price	0
PVC 100mm - 4in @ \$15.71/m + PST. 1997 price	0
PVC 150mm - 6in @ \$25.89/m + PST. 1997 price	0
6-inch PVC sewer cap	0
Repair clamp, Robar, ss 3"x12"	2
Repair clamp, Robar, ss 4"x12"	2
Repair clamp, Robar, ss 6"x12"	2
Repair clamp, Robar, ss 6"x8"	0
Repair kit for ARV	3
Repair kit for dual check valve	2
Seal, rubber, for 3"PVC	10
Seal, rubber, for 4"PVC	10
Seal, rubber, for 6"PVC	10
Spindle, gate vv, 6'	2
Tridon clamps 11/16" - 1 1/2"	9
Tridon clamps 9/16" - 1 1/16"	13
Tridon clamps 9/16" – 1 1/4"	37
Uni-flange, 3"	4
Uni-flange, 4"	4

Location

