

Emergency Response Plan (**ERP**) for **Bayview** Water & Sewer (ID1280014) (October 2020-October 2025)



REVIEW AND UPDATE ANNUALLY*

Date Reviewed	Reviewed By	Comments (Attach Additional Document as Needed)
Dec 2020	J.Roe	Updated Contact Info., Remove Alt. Notification
June 2021	J.Roe	Updated Contact Information Only
Dec 2021	J.Roe	Updated Contact Information Only
June 2022	J.Roe	Update Contact Info., Removed Facebook Reference
Dec 2022	J.Roe	Updated Contact Information Only
June 2023		
Dec 2023		
June 2024		
Dec 2024		
Oct 2025		

Contents

Emergency Response Plan Requirements	3
Section 1. System Information	4
Section 2. Chain of Command – Lines of Authority.....	6
Section 3. Events that Cause Emergencies.....	7
Section 4. Emergency Notification	8
Section 5. Effective Communication	14
Section 6. Response Actions for Specific Events	15
Section 7 Alternate Water Sources	20
Section 8. Returning to Normal Operation	23
Section 9. Future Planning.....	24
Section 10. Plan Approval.....	25

Tables

Table 1. System Information.....	4
Table 2. Chain of Command.....	6
Table 3. First Responders of an Emergency.....	8
Table 4. Prioritizing water use during Restrictions and Emergencies.....	21



Emergency Response Plan Requirements

INTRODUCTION:

The Emergency Response Plan is a blueprint outlining roles and responsibilities in the event that the water system experiences a disruption due to contamination, loss of power, natural disasters such as drought or flooding, or other circumstances where it cannot provide services. The plan helps local officials make decisions under the most adverse conditions. Development and implementation of this contingency plan increases the likelihood that correct and immediate action will be taken and that any damage or potential health risk, both in the short and long term, will be minimized.

Regardless of protection strategies and efforts to prevent contamination or exposure of the municipal water system to harmful materials, it is recognized that contamination may still occur either from accidental chemical releases, intentional acts of vandalism, or as unforeseen results of the otherwise legal use of hazardous materials.

This Plan is developed on the premise that electrical or mechanical failure is the most likely threat to the drinking water system. However, the provisions of the plan may be employed in any event that poses a threat to the municipal drinking water system. If deemed of sufficient severity, the town of Santa may declare a state of emergency or disaster under the provisions of the Idaho Code Chapter 10, title 46, Idaho Emergency Preparedness Act in order to request resources and support assistance from Benewah County, the state of Idaho, and/or federal agency sources.

This Plan addresses emergency contact lists, potential risks and how to address them, alternate sources of safe drinking water along with calculated water demands for the present and the future. This plan contains the necessary guidelines for public notice and instructions for protection of public health during a short- or long-range emergency.

This separate Plan for Bayview W&S, satisfies the Emergency Response requirements for Bayview Source Water Protection Plan (SWPP), to be implemented (Oct 2020 – Oct 2025).

This plan will be in effect until 9/31/2025 and reviewed bi-annually (June and December)



Section 1. System Information

Keep this basic information easily accessible to authorized staff for emergency responders, repair people, and the news media.

Table 1. System information

System Identification Number	Bayview Water & Sewer ID1280014	
System Name and Address	Bayview Water and Sewer District. Bayview, Idaho 83803	
Directions to the System	North on Hwy 95 from Coeur d' Alene to Athol then east to Bayview	
Basic Description and Location of System Facilities	Records at Bayview Water & Sewer District Location Two wells #7 and #8 with 4 Storage Tanks	
Location/Town	System Office: 16401 East Emerson in Bayview, Idaho * <u>Muster Location</u> in case of an emergency Office Phone: (208) 683-3948	
Population Served and Service Connections from Division of Drinking Water Records	1258 people	466 connections
System Owner	Bayview Water & Sewer	
Name, Title, and Phone Number of Person Responsible for Maintaining and Implementing the Emergency Plan	<u>Robert Kuchenski (Operator)</u> - (208)-683-0500 <u>Jessie Roe (Admin/Treasurer)</u> - (208) 683-3948 <u>Shon Luoma (Chairman)</u> - (208) 683-3948 <u>Ted Bare</u> - (208) 683-7018	

Bayview Emergency Action Plan

1. Notify Chain of Command listed in section 2 on page 6 of this document.
 - a. Notify appropriate local, State and/or Federal Agencies- (Pages 8, 9)
 - b. Notify appropriate news and/or media sources -media contact list- (page 10)
 - c. Notify Customers- (Methods on page 12)
2. Was this situation deliberate, accidental or unplanned?
(If deliberate does law enforcement need to be notified)?
3. Assess damage to system, determine need to isolate or shut down system.
 - a. Is there sufficient water for drinking and irrigation?
 - b. Does sufficient backup capacity and transmission exist?
4. Repair damage or bring on redundant sources of drinking water (See Haulers)
5. Return system to safe operation
6. Notify appropriate authorities that system is safe and is back in operation.



Section 2. Chain of Command – Lines of Authority

The first response step in any emergency is to inform the person at the top of this list, who is responsible for managing the emergency and making key decisions.

Table 2. Chain of command – lines of authority

Name and Title	Responsibilities During an Emergency	Contact Numbers
Robert Kuchenski - (Operator)-SWP Team Leader	To identify the emergency, access the emergency, contact employees, and Board Chair as needed bob@itegritywater.net	(208) 683-0500
Bob Hansen Alternate Operator	To identify the emergency, access the emergency, contact employees, and Board Chair as needed	(208) 265-4270
Jessie Roe	Support help for the operators, contact area agencies, contact board members as needed. Contact needed professionals as directed by operators. Notify media - bwsd637@gmail.com	(208) 683-3948
Shon Luoma	District Chair Person - shonbwsd@gmail.com	(208) 683-3948
Paul Franz	SWP Team Member – pfranz8@gmail.com >	(208) 683-3948
Jeff Frensdorf	SWP Team Member – jfrensdorf1@gmail.com >	(208) 683-3948
Ted Bare	Board member & SWP Team Member 3bareted@gmail.com >	(208) 683-7018
Bob Kuchenski	Water Operator & Incident Commander	(208) 683-0500

External Chain of Command

Andy Olson	Drink Water Compliance	(208) 666-4630	Andy.Olson@deq.idaho.gov
Anna Moody	Drinking Water Supervisor	(208) 666-4612 (208) 699-8260 Cell	Anna.Moody@deq.idaho.gov
Matt Plaisted	IDEQ Engineering Manager	(208) 666-4629	Matt.Plaisted@deq.idaho.gov
Kyle Meschko	District Engineer	(208) 813-7603	kmeschko@Kellerassociates.com



Section 3. Events that Cause Emergencies

The events listed below may cause water system emergencies. They are arranged from highest to lowest probable risk.

Events that cause emergencies

Type of Event	Probability or Risk (High-Med-Low)	Comments
High Winds resulting in power outage	High	Wind storms in the spring and fall generate winds in excess of 50 miles an hour or often greater. These storms can disrupt power from time to time.
Human-caused events	Medium	Construction excavation in the area could damage underground main lines.
Forest Fires	Medium	Forest fires could devastate our watershed. However, the entire watershed has recently been clear-cut, so this threat is not likely in the near future.
Loss of electrical power for various reasons	Medium	Back-up Generators at most locations....Well #7 has manual transfer



Section 4. Emergency Notification

Table 3. Notification call-up lists - Use these lists to notify first responders of an emergency.

Emergency Notification List				
Organization or Department	Name & Position	Telephone	Night or Cell Phone	Email
Local Law Enforcement			911	
Fire Department	Timberlake Fire Department	208-683-3333	911	
Idaho Emergency Alert System			1-888-225-5322	
State Communications		1-800-632-8000	1-800-632-8000	
Emergency Medical Services	Timberlake Fire Department	911	911	
Hazmat Hotline		1-800-632-8000		
National Poison Control Center		1-800-222-1222		
Farragut State Park (no physical connection)	Farragut State Park	208-683-2975		
Bureau of Hazardous Materials		208-422-5726		
NOAA Hazmat Response		7-206-526-4911		
Bureau of Environmental Health and Safety		208-334-2584		
Idaho State Alert Warning System	(ISAWS)	208-258-6595		

Priority Customers				
Organization or Department	Name & Position	Telephone	Night or Cell Phone	Email
Scenic Bay Marina	Kristen Morgan	208-683-2243		
US Naval Acoustic Research CTR	Alan Griffiths	(208)683-2321		
Hudson Bay Resort	Gary McDonald	(208)-683-2211		

State, Federal Notification List				
Organization or Department	Name & Position	Telephone	Night/Cell phone	Email
1) Neighboring Water System (not connected)	Dennis Woolford (Farragut)	(208) 683-2975		
State Police	ID State Police	208-209-8620	208-209-8730	
Sheriff's Office	Kootenai County Sheriff	208-446-1300		
Authorized Testing Laboratory	Accurate Testing Lab	208-762-8378		
Regional DEQ contact	Anna Moody	208-769-1422	208-699-8260	Anna.Moody@deq.idaho.gov
Regional DEQ Contact	IDEQ Andy Olson	208-666-4630	208-666-4630	Andy.Olson@deq.idaho.gov
Idaho DEQ	State Office	208-343-0502		
U.S. EPA Region 10 Spill Response		206-553-1263		
Idaho Transportation Department	Kootenai County DOT	208-772-1200		ltd.idaho.gov
Regional Health Department	Panhandle Health District	208-415-5100		
RCAC Contact	Jim Wilson	509-927-6748	509-590-7310	jwilson@rcac.org
Idaho Rural Water Contact	Gary Sievers	208-343-7001	208-530-3115	gsievers@idahoruralwater.com
Idaho State Communication		1-800-632-8000		
Organization or Department	Name & Position	Telephone	Night or Cell No.	Email
National Weather Service	Idaho	208-334-6860		
Safe Drinking Water Hotline		800-426-4791		

Service / Repair Notifications				
BAYVIEW WEB SITE:		Bayviewwaterandsewer.com		
Organization or Department	Name & Position	Telephone	Night or Cell Phone	Email
Electrician- (One option)	Bigfoot Tech	208-981-0304		
Pump Supplier	RC Worst	208-664-2133		
“Call Before You Dig”	Get info before dig	811		
Rental Equipment Supplier	40 Rentals Store	208-762-3998		
Chlorine Supplier	OX-ARC	208-765-3311		
Pipe Supplier	Consolidated Supply	208-762-2568		
1) Water Truck	Standish Water Trucks	208- 687-1315	208-699-1943	Tank truck delivery-3,000-gal
1) Water Supplier	Culligan Water Filtration	208-664-3216		Have 5-gal water containers
2) Water Supplier	Clearwater Springs	208-762-2370		Have 1 & 5-gal water containers

Media-Communications			
Organization or Department	Name & Position	Telephone	Email
1) Newspaper – Regional	The CDA Press	208) 664-8176	mpatrick@cdapress.com bbuley@cdapress.com
2) Newspaper – Regional	The Spokesman Review_	(509)-459-5400	news@spokesman.com
Radio FM	KHTQ - 94.5	(509) 324-4000	
“	KPND – 95.3	(208) 263-2179	
“	KCDA –103.1	(509) 242-2400	
“	KICR – 102.3	(208) 664-3241	
“	KDRK – 93.7	(509) 241-0937	
“	KIXZ – 96.1	(509) 242-2400	
“	KMBI – 107.9	(509) 448-2555	

Organization or Department	Name & Position	Telephone	Email
“	KPBX – 91.1	(509) 328-5729	
“	KXLY – 96.9	(509) 324-4000	
“	KZZU – 92.9	(509) 324-4000	
“	KISC – 98.1	(509) 242-2400	
“	KEYF – 101.1	(509) 448-3968	
“	KZBD – 105.7	(509) 448-1000	
“	KKZX – 98.9	(509) 241-5599	
“	KSFC – 91.9	(509) 328-5729	
“	KEEH – 104.9	(509) 344-5757	
“	KYWL – 103.9	(509) 448-1000	
“	KEWU – 89.5	(509) 359-6390	
“	KAGU – 88.7	(509) 328-4220	
“	KEZE – 99.9	(509) 324-4000	

Organization or Department	Name & Position	Telephone	Email
Radio AM	KVNI – 1080	(208) 664-9271	
	KGA – 1510	(509) 448-7874	
	KXLY – 920	(509) 324-4000	
	KXLX – 700	(509) 324-4000	
	KQNT – 590	(509) 242-2400	
	KJRB – 790	(509) 279-7000	
	KEYF – 1050	(509) 232-1011	
	KZFS- 1280	(509) 242-2400	
	KTRW – 970	(509) 443-1000	
TV Station	KHQ Channel 6 KREM Channel 2	(509) 667-2326 (509) 448-2000	khqnewsdesk@khq.com newsdesk@krem.com
	KXLY Channel 4 KSPS Channel 7 KAYU Channel 28	509) 768-4004 (509) 443-7800 (509) 448-2828	news4@kxly.com

IDAHO EMERGENCY ALERT SYSTEM:

For immediate public health and safety- via AM and FM radio, Broadcast TV, Cable TV, Land Mobile Radio Service, VHF, UHF and FiOS wireless, Digital TV, Satellite TV, Digital Cable, Sirius SM Satellite Radio, IBOC, Smart phones and Direct and Dish TV Networks.

- All LOCAL Broadcast Media-(National public Warning System requires all media to provide communications during a national emergency).
 - Automatically included via EAS Activation.....**1-888-225-5322**
 - <https://www.fcc.gov/general/emergency-alert-system-eas>

Notification:	-Phone list or door to door notification.
	Website and District Office

Alert local law enforcement, state and federal drinking water officials, and local health agencies

Who is Responsible:	Robert Kuchenski – System Operator (SWPP Team leader) Shon Luoma – District Chair Person (SWPP Team Member) Ted Bare – Director (SWPP Team Member) Paul Franz – Director (SWPP Team Member) Jessie Roe – Administrative Treasurer (SWPP Team Member) <i>*Any of the board members available can contact officials</i>
Procedures:	Call, give information as specified by operator

Contact service and repair contractors

Who is Responsible:	Robert Kuchenski – System Operator (SWPP Team leader) Shon Luoma – District Chair Person (SWPP Team Member) Paul Franz – Director (SWPP Team Member) Jessie Roe – Administrative Treasurer (SWPP Team Member)
Procedures:	Call, give information as specified by operator

Contact neighboring water systems, if necessary

Who is Responsible:	Robert Kuchenski – System Operator (SWPP Team leader) Shon Luoma – District Chair Person (SWPP Team Member) Jessie Roe – Administrative Treasurer (SWPP Team Member)
Procedures:	Bayview W&S to contact Farragut State Park (208) 683-2975

Procedures for issuing a health advisory - (*Loss of water pressure – 24 hrs max*)

Who is Responsible:	Robert Kuchenski – System Operator (SWPP Team leader) Shon Luoma – District Chair Person (SWPP Team Member) Ted Bare – Director (SWPP Team Member) Paul Franz – Director (SWPP Team Member) Jessie Roe – Administrative Treasurer (SWPP Team Member)
Procedures:	Call, give information as specified by operator and / or IDEQ. Neighboring systems for backup would be Farragut State Park

Distribution of Public Notification

Who is Responsible:	<p>Robert Kuchenski – System Operator (SWPP Team leader) Shon Luoma – District Chair Person (SWPP Team Member) Paul Franz – Director (SWPP Team Member) Jessie Roe – Administrative Treasurer (SWPP Team Member)</p> <p><i>Any board member can call and give emergency information as specified by the water operator</i></p>
----------------------------	--



Section 5. Effective Communication

Communication with customers, the news media, and the general public is a critical part of emergency response.

Designated public spokesperson

Designate a spokesperson (and alternate) and contact your local primacy agency for delivering messages to the news media and the public.

Designate a spokesperson and alternates

Spokesperson	Alternate
Bob Kuchenski- (208)683-0500	Bob Hansen-(208) 265-4270
Shon Luoma – Chair (208) 683-3948	Ted Bare- (208) 683-7018

Health advisories: During events when water quality and human health are in question, it may be necessary to issue a health advisory that gives advice or recommendations to water system customers on how to protect their health when drinking water is considered unsafe. These advisories are issued when the health risks to the consumers are sufficient, in the estimation of the water system, state or tribal, or local health officials, to warrant such advice.

Health advisories usually take the form of a drinking water warning or boil water advisory. Communication during these times is critical. Health advisories should always be well thought out and provide very clear messages.

The U.S. Environmental Protection Agency has put together a number of tools, including fact sheets, brochures, forms, and templates to help prepare for a health advisory:

* <http://www.deq.idaho.gov/water-quality/drinking-water/pws-switchboard.aspx.....>

* <http://www.epa.gov/safewater/pn.html>



Section 6. Response Actions for Specific Events

In any event, there are a series of general steps to take:

1. Analyze the type and severity of the emergency;
2. Take immediate actions to save lives;
3. Take action to reduce injuries and system damage;
4. Make repairs based on priority demand, and
5. Return the system to normal operation.

The following tables identify the assessment, set forth immediate response actions, define what notifications need to be made, and describe important follow-up actions.

A. Power outage

Assessment	Determine how widespread, Call local Power Co. ask for timeline
Immediate Actions	None required, the system is gravity fed from storage reservoirs. We have no booster pumps. Do have a diesel powered generator for emergencies.
Notifications	None Required
Follow-up Actions	We should have a transfer switch installed at the well house so that the well could be powered by our portable generator.

B. Distribution line break

Assessment	Determine location or problem and type of problem
Immediate Actions	Turn off Valves, to stop flow. Call 811 . May have to call excavator.
Notifications	IDEQ, Customers
Follow-up Actions	Fix the line break, and then flush generously. May need to turn off all affected water meters and hyper chlorinate the pipeline. Take construction samples, and wait for sample results from lab.

C. Chlorine treatment equipment failure

Assessment	Determine what has failed, repair, or replace
Immediate Actions	Isolate the chlorine (Sodium Hypochlorate) equipment
Notifications	IDEQ – May have to contact customers
Follow-up Actions	If the failure was preventable, take steps to prevent it in the future.

D. Treatment equipment

Assessment	Determine what has failed, repair, or replace
Immediate Actions	Isolate the chlorine equipment from the water system flow
Notifications	IDEQ
Follow-up Actions	Depends on what has failed, and if it presents a public health threat.

E. Source pump failure

Assessment	Turn off well - Use back up well
Immediate Actions	Isolate---then use back-up system only
Notifications	Call pump company - RC Worst @ (208) 664-2133
Follow-up Actions	Repair as necessary

F. Microbial (coliform, *E. coli* and *Cyanotoxin Formation*) contamination

Assessment	Determine if possible the source of contamination
Immediate Actions	Call IDEQ, flush if advised, increase chlorine immediately.
Notifications	IDEQ, follow their instructions
Follow-up Actions	Do required follow up testing

G. Chemical contamination

Assessment	Determine source of contamination, Type of chemical, may need to evacuate the area. May need to call Timberlake Fire Department and/or Hazmat.
Immediate Actions	Isolate contamination if possible
Notifications	IDEQ, Follow their instructions
Follow-up Actions	Depends on the chemical and circumstances.

H. Vandalism or terrorist attack

Assessment	Determine extent of damage
Immediate Actions	Restore Service, Repair if possible
Notifications	Sheriff's Office-(208) 446-1300
Follow-up Actions	Unknown, Depends on the situation

I. Reduction or loss of water in the well

Assessment	Determine cause of reduction or loss in a well....
Immediate Actions	Consider preparation for a long run time.
Notifications	Update customer contact list
Follow-up Actions	Contact IDWR, inquire about aquifer changes that they may be aware of

J. Drought

Assessment	N/A
Immediate Actions	None Required
Notifications	None Required
Follow-up Actions	None Required

K. Flood

Assessment	There should be no damage. If there is, determine extent
Immediate Actions	Depends on what has been damaged.
Notifications	Depends on what has been damaged.
Follow-up Actions	Depends on what has been damaged.

L. Earthquake

Assessment	Determine extent of damage at facilities, well, slow sand filter
Immediate Actions	Address obvious damage – Repair if possible- Check TOWER
Notifications	Kootenai County, IDWARN, IDEQ
Follow-up Actions	Expect underground pipeline damage that is not obvious. Monitor for leakage.

M. Hazardous materials spill in vicinity of sources or system lines

Assessment	Try to determine where the hazardous materials spill is, determine what it is
Immediate Actions	Determine the type of hazardous material. The area may have to be evacuated. Timberlake fire carries a book that can be used to identify place cards. Wait for Hazmat Crew.
Notifications	IDEQ, Fire, Hazmat, IDEQ, IDWARN and other Personnel
Follow-up Actions	Required testing of water

N. Electronic equipment failure

Assessment	Troubleshoot, call RC Worst Pump & Co. (208) 684-2133 or Bigfoot Technical (208)981-0304
Immediate Actions	Repair as soon as possible
Notifications	IDEQ, if it appears to be long term or possibly result in a violation
Follow-up Actions	Consider stocking failed parts

O. Cyber attack

Assessment	Determine if the water PLC is affected. Determine if office computer is affected. Do not delete any thing
Immediate Actions	Call ICRMP, follow their instructions
Notifications	Work with ICRMP
Follow-up Actions	Re-install back up program- Back up computers routinely

Steps to follow if emergency is affecting the water source:

- The Incident Commander (in this case the main water operator), system engineer and governing board officials will coordinate and serve as liaisons with the Incident Commander to assess threats and implement water system protection measures.
- If not already done by the Incident Commander, the Idaho State Communications Center (State Com) will be notified of the type and properties of the release. **(1-800-632-8000)**.
- The water operator will initiate system source isolation (e.g. shutting down wells; isolating spring sources, etc.) as determined appropriate for the event.
- Working with the water operator and District Manager, public notifications, water usage restrictions, and priority use protocol will be implemented as necessary.
- The Idaho Department of Environmental Quality (DEQ), District Health Department, and other state and/or federal agency(s) that may be involved will be consulted and coordinated with to ensure the mediation and safety of delivered drinking water.
- **If the event makes drinking water unusable**, the need to supply supplemental drinking water (bottled water, etc.) will be assessed and determined by the water operator and District Manager.

In keeping with the County Emergency Operations Plan, the County Office of Emergency Management and the Bureau of Disaster Services Area Field Officer (BDSAFO) will be notified. In the event that needed resources are not available within the County, the County Emergency Manager and BDSAFO will work through the State Emergency Operations Center to facilitate resource requests.

Questions to consider during an emergency?

- Is the event ongoing or has it been stopped?
- Do local emergency units have to be called in?
- Are any businesses affected or vulnerable communities (nursing homes, hospitals, etc.) or people with health problems affected?
- Do we need to provide bottled drinking water to customers?
- Do we need to contact Idaho DEQ?
- Has the highway district or Idaho transportation department been contacted?
- Do all staff members understand the problem and their roles and responsibilities?



Section 7. Alternative Water Sources

Intertie to adjacent water supply system

Water Systems within One-Quarter Mile of our System	Feasibility of Connecting
No Public Water System close except Farragut State Park well that could supply water to Bayview in an emergency	No direct connection

Alternate source(s) of water

Alternative Sources	Names	Phone	Availability	Is the Water Safe for Drinking?
Farragut State Park Wells	Dennis Woolford	(208) 683-2975	However, for only a short time during an emergency	YES

PRIORITIES FOR USE OF DRINKING WATER DURING WATER SUPPLY EMERGENCIES

During periods of water system emergencies, priorities for use of drinking water may be established depending upon the severity and anticipated duration of the emergency. Those services and uses determined less critical to public health and safety will be suspended for a period to be determined by Bayview Water System.

This Emergence Response Plan is developed to prepare management for an event of a water system emergency and shall not be deemed to contravene the authority of the District's leadership personnel. It is recognized that the Bayview Water & Sewer District [may](#) exercise its authority and impose other restrictive controls based upon the particular event.

Table 4. Prioritizing Water Use During Restrictions & Emergencies

	Use Advisory	Priority Use	Prohibited Use
Level 1: Minor contaminants – follow Health District recommendations	Follow Health District Recommendations for specific contaminant (i.e. boil order or other treatment)	Drinking Water-yard & other home uses	Follow Health District Recommendations (i.e. boil order or other treatment) for domestic uses No restrictions
Level 2: Reduced supply due to source closure or limitation (including drought)	Watering Restriction Notice	Drinking Water Limited yard and other uses	Yard or garden use by scheduled watering hours only
Level 3: Reduced supply due to source closure or limitation (including drought)	Water Restriction Notice	Drinking Water	<u>No outside water use</u>
Level 4: Serious hazard affecting water source	Bottled Water only Notification of all media outlets	Limited yard and other uses	<u>NO DOMESTIC USE</u>
Level 5: Serious environmental and health hazard from source	<u>Bottled Water ONLY</u> No physical contact Notify all media outlets	<u>No Use Allowed</u>	<u>NO USE OR CONTACT</u>

Normally Available District Equipment.

Well Sounder

Redundant Sources and Generation Capacity –

There is a standby generator at most facilities

No (current) redundant source connected to distribution system- But can connect to Farragut State Park if necessary

Storage Capacity

System Name	Storage Capacity, in gallons	Days' worth of water supply for customers (without pumping)
Main tank	225,000 gal	2.4 days
4 smaller tanks	171,000 gal	2.7 days
Total from all tanks	396,000 gal	6.3 days

*This supply is with no supply for fire suppression or lawn watering and not during peak summer resident season. During peak season, the supply may last 1 or 2 days.

*Calculations from the table are related to the normal usage per person is 50 gal/day, Therefore, for 1258 people the amount needed would be 62,900 gal/day in storage, without any pumping and not during peak summer season.

**** Supply days do not account for water used for fire suppression or lawn watering. Estimate of days' worth of supply are estimates based on average use numbers and assume water restrictions are in effect and storage water is only used for necessary tasks such as drinking, cooking, and bathing.***

**** These assumptions are based on the following: 2.5 people per connection; 50 gallons/day per person.***

**** Source of supply offline but able to run booster pumps on some systems.***

**** In the event it becomes necessary to isolate or shut down any drinking water sources, drinking water may have to be provided through a state-certified water hauler, or by bottled water. Water conservation practices should be put into effect. The water system would coordinate with the Health Department to identify certified water haulers and shippers who would be contacted to provide water by truck.***



Section 8. Returning to Normal Operation

Returning to normal operations

Action	Description and Actions
Inspect, flush, and disinfect the system	Operator and/or Assistant Operator to inspect all system facilities, to ensure all water quality tests have been done and the system has been flushed and disinfected if necessary. Operator makes a report to the Chairman. Operator's decision on current condition of system.
Verify water quality	Operator verifies water quality sampling results.
Coordinate with local primacy agency	Operator coordinates with local primacy agency on system condition and water quality results
Notify customers	Clerk meets with operator to write notice to customers. Clerk directs communications to staff to distribute public notice



Section 9. Future Planning

Future Work to be done on Bayview's water system.

In the month of May 2020 the community passed a bond issue of \$3.4 million with a 1.75% interest rate on a 30 year long loan to refurbish the 1940 vintage system.

Project planned include refurbishing the 225,000 gallon Farragut storage tank (presently leased from the US Navy) along with installing a 12 inch water main throughout the town to increase pressure in the distribution system. Some modifications will be made to the pump house and associated piping to bring the two existing wells into today's standards.

The final phase will concentrate on much needed repair of transmission lines that have leaking that amounts to about 118,000 gallons of drinking water daily.

These changes to the existing system should not affect the water source nor the discharge or pumping rates or the existing delineation area. However, a review of the present delineation areas of Well #7 and Well #8, will include a Potential Contaminant Inventory (PCI) of each of the two wells.

In the event that any new sources are added in the future, an updated Source Water Assessment (SWA) will be conducted on each source including potential contaminant inventories and risk assessment evaluation.

At that time, the town of Bayview will take appropriate actions to prevent the type of new development that may pose direct threats to the proposed new drinking water source(s). However, for the time being, the two current wells are more than adequate to serve the existing and possibly future needs of the community.



Section 10. Plan Approval

Plan approval

This plan is officially in effect when reviewed, approved, and signed by the following people:

Name/Title	Signature	Date
Robert Kuchenski Operator < bob@integritywater.net >		
Shon Luoma < shonBWSD@gmail.com >		
Ted Bare < 3bareted@gmail.com >		
Paul Franz < pfranz8@gmail.com >		
Jessie Roe (District Administrative Treasurer) < bwsd637@gmail.com >		
Robert Hansen Alternate Operator < wsmibob@aol.com > 208-265-4270		