



**Public Transient Non-Community
Water System**

Emergency Plan

For
The Augusta Sailing Club
Version 7/18/15

Permit: NG730081
4-30-2004

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Section 1. System Identification

System EPA Number	NG 730081	
System Name	Augusta Sailing Club Water System	
System Address	5462 Sailing Road	
Town	Appling, GA 30902	
Source ID/Type/Description/Well Yield	Well # 1 Boneyard	Gpm 12 gpm
Source ID/Type/Description/Well Yield	Well # 2 Gate	Gpm 7.5 gpm
Population Served/# Service Connections	# of people[Non Resident] 112	# of connections 43 Greater than 6 months= 1
Name, Title, E-mail and Phone Number of person responsible for maintaining this emergency plan.	Richard Crow Site Manager name and title	Manager@Augustasailingclub.org 706-305-7357 e-mail and phone

Section 2. Chain-of-Command

Owner:	Richard Mayne	Club’s designated contact person registered with EPA
Operator:	Chris Newton	ASC Site Manager, does day to day management.
Class 4 Operator	Dick Crow	Responsible for GDNR reporting
Rear Commodore:	Tim Buss	Officer currently responsible for facilities and grounds.
Commodore	Ian Buckley	CEO, for current year 2015.

Section 3. Primary Emergency’s needing attention

Event A Loss of Power

This would be our most uncontrolled emergency and would have two situations.

Short Term Power Failure

- A. If for whatever reason, the gate is in-operable. Open the gate for entering and leaving of the members, allowing emergency vehicles in, police, fire, etc.
- B.

NOTE: Gate has an external chain opener, just pull the chain and hold until the gate is manually pushed to the open position; upon restored power the gate will be restored to assume normal operation.

Background: The Club has an emergency back-up electric generator, that after a power outage of 10 seconds disconnects the well, Maintenance garage, and gate house circuit from the power line and supplies this circuit with emergency power. This should keep the well system in service, as well as some Gate house services. This system should function as long as its two propane tank fuel supply lasts. The well system would be expected to maintain its integrity. (See paragraph 5-C for full supplier contact information)

Event B Long Term Power Failure Large Storm

Back Ground Information: The above described emergency electrical generator system would be expected to maintain the well system on line. Were it to fail, or run out of fuel, the following steps should be taken

- A. Open gate for all members needing to leave to leave. All present must understand that water must not be used as we need to maintain water system pressure. With all systems down it is advisable all people on site make their own decision as to remain on the site.
- B. If possible valve out all common water outlets and post warnings not to use water. Inform any trailer or cabin occupants that they should not drop system pressure by using water.
- C. Make sure that no unknown people are on the property.
- D. Starting from the West Point using the emergency shut off plan close off Valve #2 this will shut off the three cabins and West Point rest rooms and Hard Stand.
- E. Then shut off the Valve # 1 this will shut off the Club House D. E. F. Docks
- F. Then shut off each Cabin locating the valves as illustrated on the map, Cabin #2 is under the house thru door.
- G. Then shut off Value # 7, this shuts off the camp site #4 #5 Perun and Hatcher bordering the camping ground.
- H. Then shut valve # 5, this will shut off all campers on the East (right) side.
- I. Shut of the valve # 4, this shuts off campers on West side. (left side)
- J. Shut off Valve #6 Camp site #1, 2 and C Dock.

- K. Shut off Dock B at the Dock entrance See Map
- L. Shut off Dock # A, Near road in box see Maps
- M. Now all water in system is locked in to the pipes to maintain pressure in the lines. The only water that could be used for emergency use would be the gate house.
- N. Monitor the System pressure at the Pump House. If the system pressure drops below 12PSI, shut off the supply valve at the storage tank and open a upstairs valve in the Gate house. This will vent the main water system lines and prevent them from creating a vacuum situation. This will help prevent ground water from entering the system
- O. Once the power has been restored and the wells are pumping to the tank and pressure is restored, open all the valves in order (As shutoff in lines D through L) checking for any leaks. As long as the lines and tank maintain pressure during this outage no flushing is required.
- P. If the system lost all pressure or went negative, a management decision on how to flush and sanitize the system will need be made.

Additional Information:

If turning on the water finds a leak and or loss of pressure, you will have to isolate the pipe and repair and then flush out that branch and let sit for 24 hours under pressure of 5% Cl and flush out with fresh water and then open for use.

During this emergency, use only the West Point rest rooms. Use lake water and five gal bucket for sanitation, use bottle water for drinking'

We have two wells, and, if for any reason one stops or get contaminated we can isolate it from the other. In the Pump house is the electric panel breaker to shut off the power to Well #1 & #2 . Each well is valved in at the pump house and at the well head. Power switches for each well are located in the well house also.. The locations of the well #1 is West of gate house along the fence about 130 feet from road and the second well is East of the pump house, Follow the drive, turn south at the end of fence line, and go approximately 300 feet.

If for any reason there is a break or leak in any line, isolate the area and use the maps for isolating the area and turn off and repair the leak Then follow the flushing plan before restoring service.

Once water is restored for any reason, post a notice on club buildings & bulletin board what has been done and inform residence to boil their drinking water for the next three (3) days

Event C Supply Line breakage-Leak

Repair a leak

Once found, clear the area around the leak and sanitize the pipe and area with Cl solution of at least 5% solution. Remove break and plug both ends of the open pipe. Sanitize all the parts that are being used to repair the line, including the surrounding area. Repair, test, then add a solution of 5% Cl solution in the zone, and let set for 24 hours under pressure, flush out after. and test for Cl. It should be down to very low percent. Inform residents on this zone to boil water for three days and post on each door. Restore the area.

After resolution of a failure event, resume Daily Maintaince checks

Check daily when doing the paper work and water testing check for unusual amount of water usage and check the meter to be sure that it's not spinning, meaning a leak. If so walk the grounds, look for watering lawn, boat washing, hose left open, check all baths to be sure that toilet are not running or shower, sinks are off. If all is OK, then get a helper and turn off each zone locations until the meter stops turning. Go to each until find the leak. Then go to each valve in zone isolate the location and repair and flush system.

Section 4. Site Emergency Notification Procedures

A In case of an emergency that required limiting water use, or boiling before use, notification would be initiated. We have a small site, and depending on the number on site direct notification should be undertaken. If the number on site is large, club members could be enlisted to help notify all All occupied cabins and trailers should be notified

Postings should be made at the club house, all wash rooms, and utility outlets, and on the endurance sign inside the gate. Email notification could be used

An all clear would happen the same way

B The decision to issue a “Do Not Use” or Boil Order will lie with the Site Manager in his role as Water system Manager. In his absence the person covering for him would make that decision

5 Local Notification List

A Emergency services and Consultants

FIRE 911	FIRE
POLICE 911	
Ambulance service (day) 911	Ambulance service (night) 911
Local Emergency Management Office 706-868-3303 office	
Power Company George Power 888-891-0938 Upon Answering Dial 706-541-0567 giving our location	
LP Gas tanks Dixie LP Gas 706-863-1811 Or 706-863-7739	Off Hours Emergency Answering 706-863-1811 stay on line until you get a person
Other	Other

B Columbia Co. & Georgia Notification List

Columbia County Emergency Management	
	Pam Tucker 706-868-3303 office
GDNR AGS Maloney 706-792-7744	EPA Atlanta 404-206-5200

C Service/Repair Notification List*

Electrician (day) Aldrich Electric 706-736-4402	Electrician
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Plumber (day) Bill James & Sons 706-724-2142	Plumber
Pump & Well Specialist (day) Gunther Well Drilling 803-791-5655	
Soil Excavator (day)	
Operational Consultant Rodney Silvey 706-868-3460	
Emergency Response Consultant Chris Jeter C 706785-5495 Pager 706-785-5495	Laboratory (day) CSRA Labs 706-733-0848 Chris Jeter C 706 373-3054

Section 6. System Components

A. System Equipment & Chemicals

Wells: We have two wells and if for any reason one stops or gets contaminated we can isolate it from the other. In Pump house is the electric panel, breaker to shut off the power to Well #1 & #2 . Each well is valved in the pump house and at the well head. Power switch in each well house also.. The locations of the well #1 is west of the gate house, along the fence about 130 feet from road, and second well is east of pump house to the end of the fence and then turn right and go south and approx 300 feet.

Dosing pumps, injecting premixed Sodium Hypochlorite NFS solution into supply line from wells to storage tank. The water used is measured each day at a meter in line between the wells and the pressure storage tank. The well pumps are turned on and off based on demand as indicated by minimum and maximum level detectors in the storage tank. A pressurized air space in the tank delivers water to the distribution system. Occasional injection of air by a air pump system maintains the design airspace head in the pressure storage tank.

B. System As-Built Plan

See Spec book Located in well house

C. System Demand

A System Map indicated section isolation valves. Located in well house

What is the total production capacity of this system?	Gallons per day =not determined
What is the total storage capacity of this system?	Gallons = 1200
What is the average daily demand of this system?	Gallons per day = 700 -3000
Estimated Available Water	Well #1 test data 6/2003 12 gpm Well #2 test data 6/2003 7.5 gpm

Section 7. Alternate Water Source

Bottled Water.

Section 8. Alternate Power Supply

Currently we have a Emergency generator with automatic switch-over capacity that can power the Gate house, Maintaince Garage, and Well System. It has two propane fuel tanks.

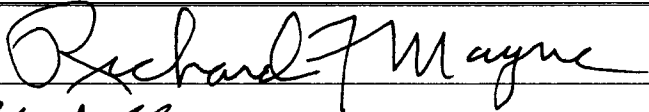
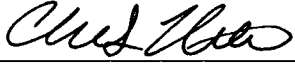


Section 9. Water Use Restrictions

During a water outage emergency use only the west point rest rooms, use lake water and five gal bucket for sanitation, use bottle water for drinking.

Section 10. Plan Readiness and Training

The Site Manager will make this plan available to club officers and club members that are more apt to be on site when their help is needed. He will discuss the needs and how they can help.

Section 11. Signatures

Owner Signature		Date 7-18-15
Operator		Date 7-18-15
Commodore		Date 10-5-15
Rear Commodore		Date 10-5-15