



# COMMONWEALTH of VIRGINIA

DEPARTMENT OF HEALTH

## OFFICE OF DRINKING WATER

### Richmond Field Office

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## System Sanitary Survey Report

February 18, 2025

To: Ms. Makenzie Lynn, Manager  
77 West Lee Street, Suite 202  
Warrenton, Virginia 20187

SUBJECT: Louisa County  
Waterworks: SESMAU-Jerdone Island  
PWSID: 2109265

Survey Date: February 5, 2025

Next Survey Due By: February 5, 2028

### Present at Survey:

Name	Organization
Azhar N. Mirza, District Engineer	Virginia Department of Health
James Lewis, Operator	SESMAU-Jerdone Island

As a result of the sanitary survey noted above, the Office of Drinking Water offers the following comments. Should you have questions or desire to discuss our findings, please contact me at (804) 664-4404 or [Azhar.Mirza@vdh.virginia.gov](mailto:Azhar.Mirza@vdh.virginia.gov)

### SIGNIFICANT DEFICIENCIES:

The water system is under a Consent Order with an effective date of August 27, 2024. A copy of the Consent Order is attached. Summary of Corrective Actions are:

1. Consistently maintain 20 psi at each service connection.
2. Complete and submit Assessment Management Plan by March 1, 2025.
3. Complete and submit Waterworks Business Operation Plan by June 1, 2025.
4. Submit plans and specifications for critical infrastructure replacement by June 30, 2026.
5. Complete all necessary construction by December 31, 2026.

**MINOR DEFICIENCIES:**

The Virginia Waterworks Regulations require your waterworks to complete the following actions.

Section	Required Actions
Sources/Wells	Provide drawdown gage and tubing to measure water level in each well.
	Add concrete apron for Well 1A. The apron must be 6 ft. 6 ft. and 6 inches thick with the well in the middle and slope away from the well in all directions.
Chlorine solution addition and soda ash solution addition	<p>The solution storage tanks cover have holes and need to be covered.</p> <p>The operator must be provided with adequate protective gear when mixing chemical solutions.</p> <p>Could not verify if the chemicals were NSF approved for drinking water addition. Container labels were missing. Save Chemical Safety Data Sheet of each chemical and have it available for inspection.</p> <p>The soda ash injection point was covered with soda ash residue at the injection point and must be cleaned.</p>
20,000-gallon Storage Tank	<p>Screen the tank overflow pipe outlet.</p> <p>Provide a lock for the manhole on top of the tank.</p> <p>Fill the puddles of water around the tank to avoid ponding.</p> <p>Scape and paint the outside of the tank.</p>
5,000-gallon Pressure Tank	<p>The tank was waterlogged. The water level control system was disconnected. Repair or replace the water level control system.</p> <p>Have the pressure tank inspected by Dept. of labor and Industry designated inspector and tag the inspection report to the tank.</p> <p>Scape and paint the outside of the tank.</p> <p>Install a vacuum relief valve on the tank.</p>

**Recommendations:**

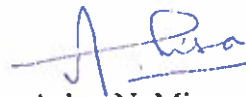
Provide water meter for each connection. It will help in water audit.

Provide emergency power so that the water system can be operable during power outage.

If you have any questions about the inspection report, please call me at 804-664-4404 or email me at [Azhar.Mirza@vdh.virginia.gov](mailto:Azhar.Mirza@vdh.virginia.gov).

Please visit our web site at <http://www.vdh.virginia.gov/ODW/>. There you will find helpful information on water sampling and testing, operator licensing and training, consumer education, project funding and **many other topics, as well as, links to other key websites and Virginia's Waterworks Regulations.**

Survey By:



Azhar N. Mirza  
District Engineer

Attachment: System Sanitary Survey Report  
Corrective Action Plan

ec: David Gonce, Designated Operator, [dgonce@yahoo.com](mailto:dgonce@yahoo.com)  
James Lewis, Operator, [jccatthelake@gmail.com](mailto:jccatthelake@gmail.com)  
Louisa Co. Dept. of Health, attn: Environmental Health Manager  
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