

Sewer System Management Plan (SSMP)

District: Spalding Community Services District (CSD)

County: Lassen County, California

Regional Oversight: Lahontan Regional Water Quality Control Board

State Oversight: California State Water Resources Control Board

System Type: Lift stations with force mains discharging to evaporation ponds

1. Purpose and Policy Statement

The Spalding Community Services District (District) has developed this Sewer System Management Plan (SSMP) in accordance with the California State Water Resources Control Board requirements for sanitary sewer systems and under the regulatory oversight of the Lahontan Regional Water Quality Control Board. The purpose of this SSMP is to provide a structured framework for the proper operation, maintenance, monitoring, and management of the District's wastewater collection and disposal system in order to:

- Protect public health and the environment
- Prevent sanitary sewer overflows (SSOs)
- Maintain regulatory compliance
- Establish clear roles, responsibilities, and procedures
- Identify system deficiencies and corrective actions
- Provide a defensible, transparent management structure

This SSMP reflects current system knowledge and operational capacity and commits the District to continuous improvement as additional information and resources become available.

2. System Ownership and Organization

2.1 Legal Owner and Operator

The sewer system is owned and operated by the **Spalding Community Services District**, a California Community Services District.

2.2 SSMP Responsible Official

The **General Manager of the Spalding Community Services District** is designated as the SSMP Responsible Official and is accountable for implementation, oversight, and updates to this SSMP.

2.3 Operations Staff

- Sewer Technician (in training; operating under a Certificate of Exemption expiring October 2026. We will be filing to extend)
 - Consideration is being given to contracting with a third-party certified wastewater operator to ensure compliance with operator certification requirements.
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3. Regulatory Framework

The District operates under Waste Discharge Requirements (WDRs) issued by the State Water Resources Control Board and is subject to oversight by the Lahontan Regional Water Quality Control Board.

The District has received Notices of Violation (NOVs) related to system compliance. While specific enforcement deadlines are under review, the District acknowledges these NOVs and is actively working toward corrective actions. The District has compiled a Corrective Action Plan and submitted it for review 1/21/26.

The District is enrolled under the Statewide General Waste Discharge Requirements for Sanitary Sewer Systems (Order No. 2006-0003-DWQ, as amended).

4. System Description

4.1 General Description

The wastewater system serves an isolated rural lakefront community of approximately 250 year-round residents, with seasonal population increases.

4.2 Lift Stations

The system consists of **four lift stations**, each equipped with:

- Three wet wells
- Float tree control systems
- Multiple pumps engaged sequentially based on wastewater levels
- Check valves and pitless configurations
- On-site generators providing emergency power redundancy

4.3 Disposal System

Wastewater is pumped to **three evaporation ponds** utilizing levee containment. The ponds are surrounded by **three monitoring wells** used to detect potential leakage or groundwater contamination.

4.4 Monitoring and Control

The system is monitored through a SCADA system that tracks:

- Flow data
- Pump run times
- Alarm conditions

SCADA data is recorded daily and compiled into reports. The system is believed to be cloud-hosted, with real-time alarm notification capability.

5. Operation and Maintenance Program

5.1 Preventive Maintenance

At present, the District does not have a formal written preventive maintenance schedule. Maintenance activities are conducted based on operator experience and system alarms.

The District commits to developing and implementing a documented preventive maintenance program addressing:

- Lift station inspections
- Float tree testing
- Pump performance checks
- Generator testing

5.2 Lift Station Inspections

- Lift stations are monitored via SCADA
 - Float trees and controls are not currently tested on a routine schedule
 - No pump failures, wet well overflows, or emergency events have occurred within the last two years to the District's knowledge
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6. Evaporation Ponds and Monitoring Wells

6.1 Pond Liners

The specific liner type, thickness, and installation date are currently unknown. Pond conditions are visually inspected weekly, and inspection records for the past three years are reported to be well maintained.

6.2 Monitoring Wells

- Monitoring wells are sampled quarterly
 - Sampling is performed by the sewer technician
 - Laboratory analysis is conducted by a third-party laboratory located in Reno, Nevada
 - Specific analytical parameters are currently under review
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7. Overflow Emergency Response Plan

7.1 Current Status

The District does not currently have a written Sanitary Sewer Overflow (SSO) Response Plan.

7.2 Commitment

The District commits to developing and adopting a written SSO Response Procedure that will include:

- Immediate response actions
 - Notification protocols
 - Containment and cleanup procedures
 - Documentation and reporting requirements
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8. Monitoring, Measurement, and Program Modifications

The District will use SCADA data, inspection records, and monitoring well results to:

- Identify trends
- Prioritize maintenance and upgrades
- Adjust operational practices as needed

The SSMP will be reviewed and updated as additional system data becomes available.

9. Training

The District commits to providing appropriate training to staff, including:

- Operator certification or third-party certified operator services
 - Emergency response procedures
 - Regulatory reporting requirements
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10. SSMP Audits and Updates

The SSMP will be reviewed at least every two years and updated following:

- Major system changes
 - Enforcement actions
 - Significant operational events
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11. Communication Program

The District will maintain transparent communication with:

- Regulatory agencies
 - The District Board of Directors
 - The community, as appropriate
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12. Capital Improvement Planning

The District currently does not have a Capital Improvement Plan (CIP), asset replacement plan, or rate study specific to sewer operations.

The District commits to developing these planning tools as staffing and funding allow, including pursuit of grant funding to support these efforts.

13. SSMP Availability

This SSMP will be maintained at the District office and made available to regulators and the public upon request.

Adopted by the Board of Directors of the Spalding Community Services District on:
