

MAY 2023

SALSIPUEDES SANITARY DISTRICT

SEWER SYSTEM MANAGEMENT PLAN - 2023



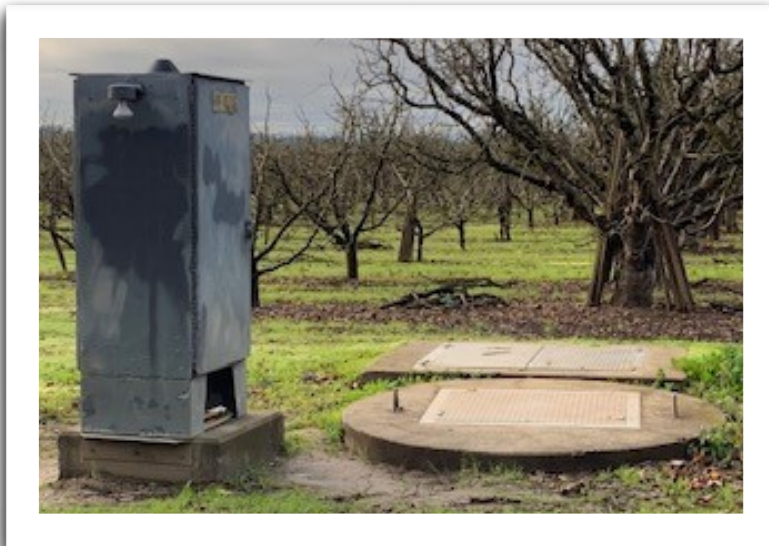
**SALSIPUEDES SANITARY DISTRICT
739 EAST LAKE AVE. # 2
WATSONVILLE, CA 95076**

I. GOALS

The main goal of the Sewer System Management Plan is to prevent overflows and to provide a plan and schedule for measures to be implemented to prevent overflows.

II. ORGANIZATION

The Sewer System Management Plan must identify the following:



(A) Administrative and maintenance positions responsible for implementing measures in the program, including lines of authority by organization chart or similar documents; and

(B) The chain of communication for reporting overflows, from receipt of a complaint or other information, including the person responsible for reporting overflows to the Regional

Water Quality Control Board, Santa Cruz County Health Department, City of Watsonville and the State Office of Emergency Services (OES);

Resident calls District's phone number (voice & text). Manager calls the District's maintenance employee operator and calls GreenLine, which is the District's maintenance provider. Manager then goes to the spill site and meets the flushing crew there and remains at the site until the crew corrects the problem and completes the cleanup.

Manager is responsible for notifying appropriate authorities of overflows.

III. LEGAL AUTHORITY

The Sewer System Management Plan shall include legal authority, through sewer use ordinances, service agreements, or other legally binding procedures, to:

- (A) Control infiltration and connections from inflow sources, including satellite systems;

Ordinance No. 3, as amended

- (B) Require that sewers and connections be properly designed and constructed;

Ordinance No. 3, as amended

- (C) Ensure proper installation, testing and inspection of new and rehabilitated sewers (such as new or rehabilitated collector sewers and new or rehabilitated service laterals);

Ordinance No. 3, as amended

- (D) Limit fats and greases and other debris that may cause blockages in the sewage collection system.

Ordinance No. 3, as amended

- (E) Implement the general and specific prohibitions of the national pretreatment program under 40 CFR 403.5.

Ordinance No. 3, as amended

IV. MEASURES and ACTIVITIES

In order to reduce overflows, the Sewer System Management Plan must address the elements listed below that are appropriate and applicable to the Permittee's system and identify the person or position in the organization responsible for each element;



A) Provide adequate operation and maintenance of facilities and equipment;

The District Manager and Maintenance Operator, with the assistance of the GreenLine flushing crew, Superior Pump Co., Capitola Pump Co., Pajaro Valley Electric, as needed, provide adequate operation and maintenance of facilities and equipment.

- (B) Maintain an up-to-date map of the collection system showing all gravity line segments and manholes, pumping facilities, pressure pipes and valves, and storm water conveyance facilities.

On file.

- (C) Maintain relevant information to establish & prioritize appropriate Sewer System Management Plan activities (such as the immediate elimination of dry weather overflows or overflows in sensitive waters, such as public drinking water supplies and their source waters, swimming beaches and waters where swimming occurs, shellfish beds, designated Areas of Special Biological Significance/Water Quality Protection Areas, National Marine Sanctuaries, waters within Federal, State or local parks and water containing threatened or endangered special or their habitats) and identify and illustrate trends in overflows, such as frequency and volume;

The District has experienced no sewer spills since April 18, 2010.

Ongoing televising of the sewer main provides information to determine repair and/or replacement of sewer main.

- (D) Routine preventive operation and maintenance activities by staff and contractors; including a system for scheduling regular maintenance and cleaning of the collection system with more frequent cleaning and maintenance targeted at known problem areas as well as a tracking system for work orders.

The oil is changed annually at the two (2) Lift Stations. The Salsipuedes Sanitary District contracts with GreenLine to maintain the District's collection lines. The sewer lines are flushed every 90 days.

E) Identify and prioritize structural deficiencies and implement short-term and long-term rehabilitation actions to address each deficiency. This shall include a rehabilitation plan including schedules for the entire system. As with the preventative maintenance program, sewer rehabilitation and replacement is crucial for the prevention of spills. Among the provisions that should be specified in this section is the need to direct rehabilitation and replacement at sewer pipes which are at risk of collapse or prone to more frequent blockages due to pipe defects. The programs should also include regular visual and video inspection of sewer pipes and a system for assessing and ranking the condition of sewer pipes. Finally, the rehabilitation and replacement plan should include a financial plan that properly manages and protects the infrastructures assets. The actions out-lined above shall be coordinated with the requirements for infiltration/inflow and Spill Prevention contained in Order No.

R3-2003-0040, Section D, Sanitary
Sewer System Requirements.



The District identifies and prioritizes any structural deficiencies for repair in the sewer main through its ongoing televising schedule.

The District has a reserves fund that is dedicated to Capital Improvements.

(F) Provide training on a regular basis for staff in collection system operations, maintenance and monitoring;

Training is based on regular online or in-person classes provided by Companies that offer these classes.

(G) Provide an inventory for equipment and replacement parts, including identification of critical replacement parts;

The District has two backup pumps, one 5-hrs pw and one 2 hrs pw. All extra equipment is housed at a storage unit in Watsonville, CA.

(H) Establish an implementation plan and schedule for a public education outreach program that promotes proper disposal of grease and fats.

In previous years the District has sent brochures advising of proper disposal. However, now, the District has a website available for public viewing.

(I) Establish a plan for responding to overflows from private property that discharge to public right of ways and storm drains, to prevent discharges from overflow to surface waters and storm drains; and

Resident calls District Manager or Maintenance Operator of sewer spill or blockage on or near his property. GreenLine is called out to the site and flushing crew remains there until blockage is released from sewer main line and completes the cleanup. The property owner is responsible for clearing his own building sewer and lateral.

- (J) Develop a plan and a schedule for providing an analysis of alternative methods of disposal for grease and fats, and an implementation plan and a schedule for providing adequate disposal capacity for grease and fats generated within the sewer system service area. This plan shall include an evaluation of the feasibility of using sludge digesters at the City of Watsonville Wastewater Treatment Facility for grease disposal and treatment, recycling, rendering and other disposal alternatives.



The District's Maintenance Operator routinely checks for grease. The District was working with the City of Watsonville and other agencies under Order No. R3-2003-0041 to establish an outreach program for proper disposal of grease.

Whether to use sludge digesters at the City of Watsonville Wastewater Treatment Facility is not to be determined by the Salsipuedes Sanitary District.

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V. OVERFLOW EMERGENCY RESPONSE PLAN

The Permittee shall develop and implement an Overflow Emergency Response Plan that identifies measures to protect public health and the environment. At a minimum, this plan should:

- (A) Ensure proper notification procedures so that the primary responders are informed of all overflows in a timely manner (to the greatest extent possible);
- (B) Ensure that all overflows are appropriately responded to, including ensuring that reports of overflows are immediately dispatched to appropriate personnel for investigation and appropriate response;
- (C) Ensure immediate notification of health agencies and other impacted entities (e.g. water suppliers) of all overflows. The plan should provide for the reporting of overflows to the Regional Board, the Santa Cruz County Health Dept, the City of Watsonville and to the State Office of Emergency Services (OES) in accordance with each agency's distinct policy. The Sewer System Management Plan should identify the public health agency and other officials who will receive immediate notification;

Established procedure is followed by the District's Maintenance Operator who is part-time and called as an as-needed employee.

Public Agencies who receive immediate notification:

- ***California Regional Water Quality Control Board***
- ***County of Santa Cruz Environmental Health***
- ***California Office of Emergency Services (OES notifies the Department of Fish and Game)***

- (D) Ensure that appropriate staff and contractor personnel are aware of and follow the plan and are appropriately trained;

Established procedure is followed by the District's Maintenance Operator who is part-time and called as an as-needed employee.

- (E) Provide emergency operations, such as traffic and crowd control and other necessary emergency response;

Established procedure is followed by the District's Maintenance Operator who is part-time and called as an as-needed employee.



- (F) Take all reasonable steps to contain sewage, prevent sewage discharges to surface waters, and minimize or correct any adverse impact on the environment resulting from the overflows, including such accelerated or additional monitoring as may be necessary to determine the nature of and impact of the discharge;

Established procedure is followed by the District's Maintenance Operator who is part-time and called as an as-needed employee.

- (G) Develop and implement a plan for the use of portable aerators where complete recovery of the sanitary sewer overflows is not practical and severe oxygen depletion in existing surface waters is expected;

To date no plan for use of portable aerators has been developed nor has an incident occurred where an aerator has been needed. The Sanitary District will inquire where aerators can be obtained in a timely manner should the need arise.

- (H) Develop and implement a plan to respond in a timely manner to spills and other emergencies. Collection system staff should be able to respond to a sewage spill in less than an hour from the first call. The Permittee should be capable of meeting this response time day or night, every day of the week. The Permittee must own and have ready access to spill and emergency response equipment such as a vacuum trucks, hydro-flushers, pumps, temporary bypass hoses and portable generators.

The District responds in a timely manner to all emergencies day or night, 24/7. Each Lift Station has alternate bypass route, designed for sewer backups, should they occur. GreenLine is called in to site.

VI. SOURCE CONTROL PROGRAM
Prepare and implement a grease, fat, and oil source control program to reduce the amount of these substances discharged to the sewer main collection system. This plan shall include the legal authority to prohibit discharges to the system and identify measures to prevent overflows caused by fat, oil, and grease blockages of sewers. The elements of an effective grease control program may include requirements to install grease removal devices (such as traps, or preferably, interceptors), design standards for the removal devices, maintenance requirements, Best Management Practices (BMP) requirements, record keeping and reporting requirements. An effective grease control program must also include authority inspect grease producing facilities, enforcement authorities and sufficient staff to inspect and enforce the grease ordinance. All source control and pretreatment activities shall be coordinated with the City of Watsonville.



Inflow/Infiltration Program

- (A) The grease control program shall identify sections of the sewer system subject to grease blockages and establish a cleaning maintenance schedule for each section; and

The District has a 90 day cycle, maintenance flushing schedule.

- (B) The program shall develop and implement source control measures, for all sources of grease and fats discharged to the sewer system, for each section identified in (A) above.

The problem areas have been identified and include areas where the District flushes every 90 days. Records are kept at the District office and shared with the Maintenance Operator.

VII. SYSTEM EVALUATION and CAPACITY ASSURANCE PLAN

Prepare and implement a Capital Improvement Plan that will provide hydraulic capacity of key sewer system elements under peak flow conditions. At a minimum, the plan must include:

- (A) System Evaluation – Evaluate current capacity of the collection system including diversion of urban runoff to the sewer system and those portions of the collection system which are experiencing or contributing to an overflow discharge caused by hydraulic deficiency. The evaluation must provide estimate of peak flows (including flows from overflows that escape from the system) associated with conditions that are similar, to those causing overflow events, estimates of the capacity of key system components, hydraulic deficiencies (including components of the system with limiting capacity), and the major sources that contribute to the peak flows associated with overflow events;



The current capacity of the collection system is within the standards determined and adopted by the Sanitary Board.

- (B) Capacity enhancement measures - Establish a short and long term Capital Improvement Program to address deficiencies including the prioritization, alternatives analysis, schedules, diversions of urban runoff to the sewer system during dry weather period and control of infiltration; and inflow during both wet and dry weather events and periods; and

A Capital Improvement Plan is currently being updated and funds have already been established. Short term plans are currently ongoing with televising the sewer main lines and subsequent repairs where problems are found.

- (C) Plan Updates - At a minimum, the plan must be updated annually to describe any significant change in proposed actions and/or implementation schedules. The updates should include available information on the performance of measures that have been implemented.

Ongoing review by the Sanitary Board.

VIII. ANNUAL PROGRAM UPDATES

As part of the Sewer System Management Plan, the Permittee shall conduct an internal audit, appropriate to the size of the system and the number of overflows, and submit a report of such audit, evaluating the Sewer System

Management Plan and its compliance with the subsection, including its deficiencies and steps to correct them.

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Review of the Sewer System Management Plan and its compliance is ongoing.

IX. COMMUNICATIONS

The Permittee should communicate at least annually with interested parties such as the Regional Board, City of Watsonville and the Santa Cruz County Health Departments, on implementation and performance of its Sewer System

Title



Management Plan. The communication system should allow interested parties to provide input to the Permittee as the program is developed and implemented.



