



On May 2, 2006, the State Water Resources Control Board (SWRCB) adopted [Water Quality Order No. 2006-0003](#), which required all public wastewater collection agencies in California, with a wastewater collection system greater than one mile in length, to be regulated under the Statewide General Waste Discharge Requirement (GWDR). The GWDR requires public wastewater agencies to develop a Sewer System Management Plan (SSMP) for their wastewater collection systems. Mandatory elements of the SSMP, with a brief description of the requirements of each, are listed below.

1. **Goal:** The goal of an SSMP as specified by the SWRCB is to provide a plan and schedule to properly manage, operate, and maintain all parts of the sanitary sewer system. The City's SSMP must establish its own goals to accomplish that of the SWRCB.
2. **Organization:** The SSMP must specifically identify the organizational structure of the City as well as activities, duties and responsibilities for individuals and positions associated with the sanitary sewer system.
3. **Legal Authority:** The SSMP must show that the City has the necessary legal authority to address its certain requirements, including but not limited to the following:
 - a. Prevention of illicit discharges into the sanitary sewer system
 - b. Proper design and construction of the sanitary sewer system
 - c. Access for maintenance and repairs
 - d. Limitation of discharge of fats, oils and grease
 - e. Enforcement of any violation of the sewer ordinances
4. **Operation and Maintenance Program:** The SSMP must include operation and maintenance elements as follows:
 - a. Maintenance of an updated sanitary sewer system map
 - b. Description of routine preventative operation and maintenance activities
 - c. Development of a rehabilitation and replacement plan to identify and prioritize system deficiencies
 - d. Provisions for regular training of staff
 - e. Provisions for replacement part and equipment inventories
5. **Design and Performance Provisions:** The SSMP must include provisions for design, construction, inspection and testing standards and specifications for new sanitary sewer systems, pump stations and other appurtenances; and for the rehabilitation and repair of existing sanitary sewer systems.
6. **Overflow Emergency Response Plan (OERP):** The SSMP shall provide for the development and implementation of an overflow emergency response plan that identifies measures to protect public health and the environment. At a minimum, this plan must include the following:
 - a. Proper notification and response procedures for sanitary sewer overflows (SSO's)
 - b. A program to ensure that appropriate staff are aware of and trained to follow the OERP
 - c. Procedures to address emergency operations
 - d. A program to prevent the discharge of SSO's to waters of the United States

7. FOG (Fats, Oils and Grease) Control Program: If FOG is a problem, the SSMP must provide for preparation and implementation of a FOG source control program to reduce the amount of these substances discharged to the sanitary sewer system. This plan shall include the following as appropriate:
 - a. An implementation plan and schedule for a public education outreach program
 - b. A plan and schedule for the disposal of FOG generated within the sanitary sewer system service area
 - c. The legal authority to prohibit discharges to the system and identify measures to prevent SSOs and blockages caused by FOG
 - d. Requirements to install grease removal devices
 - e. Authority to inspect and enforce grease producing facilities; discussion of staff sufficiency to inspect and enforce the FOG ordinance
 - f. Identification of sanitary sewer system areas subject to FOG blockages; establishment of a cleaning maintenance schedule for each section; development and implementation of source control measures for all sources of FOG
8. System Evaluation and Capacity Assurance Plan: The SSMP shall provide for preparation and implementation of a capital improvement plan that ensures hydraulic capacity of key sanitary sewer system elements for all peak flow conditions. At a minimum, the plan must include the following:
 - a. Evaluation
 - b. Design criteria
 - c. Capacity enhancement measures
 - d. Schedule
9. Monitoring, Measurement and Program Modifications: The SSMP shall also provide for the following:
 - a. Maintenance of relevant information that can be used to establish and prioritize appropriate SSMP activities
 - b. Monitoring the implementation and, where appropriate, measure the effectiveness of each element of the SSMP
 - c. Assessment of the success of the preventative maintenance program
 - d. Update program elements, as appropriate, based on monitoring or performance evaluations
 - e. Identification and illustration of SSO trends
10. SSMP Program Audits: The SSMP shall provide for periodic internal audits, appropriate to the size of the system and the number of SSOs. At a minimum, these audits must occur every two years and a report must be prepared and kept on file.
11. Communication Program: The SSMP shall provide for communication with the public on a regular basis on the development, implementation, and performance of its SSMP.

The Wastewater Division of the City of Dixon Engineering Department is currently in the process of drafting and implementing the City's SSMP.