

San Bernardino County  
County Service Area 53B Fawnskin  
**Sewer System Management Plan**

---

California State Resources Control Board

*Prepared for:*

San Bernardino County  
Department of Public Works  
Special Districts Water and Sanitation Division  
222 W. Hospitality Lane, 2nd Floor  
San Bernardino, California 92415  
*Contact: Lisa Green*

February 2026

INTENTIONALLY LEFT BLANK

# Table of Contents

<b>SECTION</b>	<b>PAGE NO.</b>
San Bernardino County .....	i
County Service Area 53B Fawnskin.....	i
<b>Sewer System Management Plan</b> .....	<b>i</b>
Table of Contents .....	i
Acronyms and Abbreviations .....	iv
Definitions .....	vi
Purpose and Background .....	x
Elements of a SSMP .....	xii
1 SSMP Goal and Introduction.....	1
1.1 Regulatory Context.....	2
1.2 Sewer System Management Plan Update Schedule .....	2
1.3 Sewer System Asset Overview .....	3
2 Organization .....	5
3 Legal Authority .....	7
3.1 Compliance Documents.....	7
3.1.1 Department Ordinance.....	7
3.2 Compliance Summary .....	8
3.2.1 Prevention of Illicit Discharges .....	10
3.2.2 Storm Water Agency Collaboration .....	11
3.2.3 Proper Design and Construction of Sewers and Connections.....	11
3.2.4 Lateral Maintenance Access .....	11
3.2.5 Enforcement Measures.....	11
3.2.6 Easement Accessibility Agreements.....	12
4 Operation and Maintenance Program.....	13
4.1 Updated Map of Sanitary Sewer System .....	13
4.2 Preventive Operation and Maintenance Activities .....	14
4.2.1 Sewer Cleaning, CCTV Inspection, & Roots Maintenance.....	14
4.2.2 Lift Stations Maintenance.....	14
4.2.3 Odor Control .....	15
4.2.4 Corrosion Control .....	15
4.2.5 Data Collection .....	15
4.3 Training .....	15
4.4 Equipment Inventory.....	15
5 Design and Performance Provisions.....	17
6 Spill Emergency Response Plan .....	19
7 Sewer Pipe Blockage Control Program .....	21

8	System Evaluation, Capacity Assurance, and Capital Improvements .....	23
8.1	System Evaluation and Condition Assessment .....	24
8.2	Capacity Assessment and Design Criteria .....	25
8.3	Prioritization of Corrective Action .....	25
8.4	Capital Improvement Plan .....	25
9	Monitoring, Measurement and Program Modifications .....	27
10	Internal Audits .....	33
11	Communication Program.....	35
12	Supporting Documentation .....	37
Appendix A.....		39
	CSA 53B Rules & Regulations, Aug 1982.....	39
Appendix B .....		41
	Wastewater Ordinance Regulating the Use and Construction of Public Wastewater Facilities, Dec 1980 .....	41
Appendix C .....		43
	Updated Sewer Collection System Map .....	43
Appendix D .....		45
	Customer Complaint Protocol.....	45
Appendix E .....		47
	Equipment Inventory .....	47
Appendix F.....		49
	Sewer System Management Plan Change Log .....	49
Appendix G .....		3
	SSMP Monitoring Parameters .....	3

## TABLES

Table 1-1: SSMP Update Schedule .....	2
Table 1-2: Sewer System Assets.....	3
Table 1-3: Number of Service Connections.....	4
Table 3-1: WDR Requirements.....	8
Table 9-1: SSMP Update Schedule .....	27
Table 9-2: SSMP Monitoring Parameters, by SSMP Element.....	28
Table 9-3 Preventive Operation and Maintenance Activities to Track.....	31
Table 9-4: Spill Trends from 2016 to 2025 .....	31

## APPENDICES

Appendix A: CSA 53B Rules & Regulations, Aug 1982

Appendix B: Wastewater Ordinance Regulating the Use and Construction of Public Wastewater Facilities, Dec 1980

Appendix C: Updated Sewer Collection System Map

Appendix D: Customer Complaint Protocol  
Appendix E: Equipment Inventory  
Appendix F: Sewer System Management Plan Change Log  
Appendix G: SSMP Monitoring Parameters

# Acronyms and Abbreviations

---

Abbreviation	Acronym
BBARWA	Big Bear Area Regional Wastewater Agency
BMP	Best Management Practice
CCTV	Closed-Circuit Television
CIP	Capital Improvement Program
CIWQS	California Integrated Water Quality System
CSA	County Service Area
CWEA	California Water Environment Association
Department	San Bernardino County Special Districts Department
FOG	Fats, Oils, & Grease
FSE	Food Service Establishment
GIS	Geographic Information System
GPS	Global Positioning System
I&I	Inflow & Infiltration
LRO	Legally Responsible Official
MGD	Million gallons per day
NPDES	National Pollutant Discharge Elimination System
O&M	Operation and Maintenance
OES	Office of Emergency Services (aka Cal OES)
Order	SWRCB Order No. 2022-0103-DWQ adopted December 6, 2022, and effective June 5, 2023
RWQCB	Regional Water Quality Control Board
SERP	Spill Emergency Response Plan
SSMP	Sewer System Management Plan
SWRCB	State Water Resources Control Board
WDID	Waste Discharge Identification Number
WDR	Waste Discharge Requirements, also referred to as the Sanitary Sewer Systems Waste Discharge Requirements (SSSWDR)
WWTP	Wastewater Treatment Plant

INTENTIONALLY LEFT BLANK

# Definitions

---

**Annual Report** - A mandatory report in which the Enrollee provides a calendar-year update of its efforts to prevent spills.

**California Integrated Water Quality System (CIWQS)** - The statewide database that provides for mandatory electronic reporting as required in State and Regional Water Board-issued waste discharge requirements.

**Data Submitter** - An individual designated and authorized by the Enrollee's Legally Responsible Official to enter spill data into the online CIWQS Sanitary Sewer System Database. Data Submitters lack the authority of a Legally Responsible Official to certify reports within the CIWQS Sanitary Sewer System Database.

**Enrollee** - A public, private, or other non-governmental entity that has obtained approval for regulatory coverage under the General Order, including:

- A state agency, municipality, special district, or other public entity that owns and/or operates one or more sanitary sewer systems:
  - greater than one (1) mile in length (each individual sanitary sewer system);
  - one mile or less in length where the State Water Resources Control Board or a Regional Water Quality Control Board requires regulatory coverage under the Order, or
- A federal agency, private company, or other non-governmental entity that owns and/or operates a sanitary sewer system of any size where the State Water Resources Control Board or a Regional Water Quality Control Board requires regulatory coverage under the Order in response to a history of spills, proximity to surface water, or other factors supporting regulatory coverage.

**Exfiltration** - The underground exiting of wastewater from a sanitary sewer system through cracks, offset or separated joints, or failed infrastructure due to corrosion or other factors.

**Governing Entity** - A governing entity includes but is not limited to the following:

- A publicly elected governing board, council, or commission of a municipal agency.
- A Department or Division director of a federal or state agency that is not governed by a board.
- A governing board or commission of an organization or association; and
- A private system owner/manager that is not governed by a board.

**Lateral (including Lower and Upper Lateral)** - An underground segment of smaller diameter pipe that transports wastewater from a customer's building or property (residential, commercial, or industrial) to the Enrollee's main pipeline in a street or easement. Upper and lower lateral boundary definitions are subject to local jurisdictional codes and ordinances, or private system ownership. A lower lateral is the portion of the lateral located between the sanitary sewer system main, and either the property line, sewer clean out, curb line, established utility easement boundary, or other jurisdictional locations. An upper lateral is the portion of the lateral from the property line, sewer clean out, curb line, established utility easement boundary, or other jurisdictional locations, to the building or property.

**Legally Responsible Official** - An official representative, designated by the Enrollee, with authority to sign and certify submitted information and documents required by the General Order.

---

**Nuisance** - California Water Code Section 13050, subdivision (m), defines nuisance as anything which meets all the following requirements:

- Is injurious to health, or is indecent or offensive to the senses, or an obstruction to the free use of property, so as to interfere with the comfortable enjoyment of life or property.
- Affects at the same time an entire community or neighborhood, or any considerable number of persons, although the extent of the annoyance or damage inflicted upon individuals may be unequal.
- Occurs during, or as a result of, the treatment or disposal of wastes.

**Potential to Discharge, Potential Discharge** - Any exiting of wastewater from a sanitary sewer system which can reasonably be expected to discharge into a water of the State based on the size of the wastewater spill, proximity to a drainage conveyance system, and the nature of the surrounding environment.

**Receiving Water** - A water of the State that receives a discharge of waste.

**Sanitary sewer system** - A system that is designed to convey wastewater, including but not limited to, pipes, manholes, pump stations, siphons, wet wells, diversion structures and/or other pertinent infrastructure, upstream of a wastewater treatment plant headworks, including:

- Laterals owned and/or operated by the Enrollee;
- Satellite sewer systems; and/or
- Temporary conveyance and storage facilities, including but not limited to temporary piping, vaults, construction trenches, wet wells, impoundments, tanks and diversion structures.

For purpose of the Order, sanitary sewer systems include only systems owned and/or operated by the Enrollee.

**Satellite Sewer System** - A portion of a sanitary sewer system owned or operated by a different owner than the owner of the downstream wastewater treatment facility ultimately treating the wastewater.

**Sewer System Management Plan** - A living document an Enrollee develops and implements to effectively manage its sanitary sewer system(s) in accordance with the General Order.

**Wastewater** - Wastewater and its associated wastewater, is untreated or partially treated domestic, municipal, commercial and/or industrial waste (including wastewater sludge), and any mixture of these wastes with inflow or infiltration of stormwater or groundwater, conveyed in a sanitary sewer system.

**Spill** - A discharge of wastewater from any portion of a sanitary sewer system due to a sanitary sewer system overflow, operational failure, and/or infrastructure failure. Exfiltration of wastewater is not considered to be a spill under the General Order if the exfiltrated wastewater remains in the subsurface and does not reach a surface water of the State.

**Spill Reporting System** – Online spill reporting system that is hosted, controlled, and maintained by the State Water Board. The web address for this site is <http://ciwqs.waterboards.ca.gov>. This online database is maintained on a secure site and is controlled by unique usernames and passwords.

**Training** - In-house or external education and guidance needed that provides the knowledge, skills, and abilities to comply with the General Order.

**Untreated or partially treated wastewater** – Any volume of waste discharged from the sanitary sewer system upstream of a wastewater treatment plant headworks.

**Waste** - As defined in Water Code section 13050(d), includes wastewater and any and all other waste substances, liquid, solid, gaseous, or radioactive, associated with human habitation, or of human or animal origin, or from any producing, manufacturing, or processing operation, including waste placed within containers of whatever nature prior to, and for purposes of, disposal.

**Waste Discharge Identification Number (WDID)** – Number which identifies each individual sanitary sewer system enrolled under the General Order. A WDID number is assigned to each enrolled system upon an Enrollee’s approved regulatory coverage.

**Waters of the State** - Surface waters or groundwater within boundaries of the state as defined in Water Code section 13050(e), in which the State and Regional Water Boards have authority to protect beneficial uses. Waters of the State include, but are not limited to, groundwater aquifers, surface waters, saline waters, natural washes and pools, wetlands, sloughs, and estuaries, regardless of flow or whether water exists during dry conditions. Waters of the State include waters of the United States.

**Waters of the United States** - Surface waters or waterbodies that are subject to federal jurisdiction in accordance with the Clean Water Act.

**Water Quality Objective** - The limit or maximum amount of pollutant, waste constituent or characteristic, or parameter level established in statewide water quality control plans and Regional Water Boards’ Basin Plans, for the reasonable protection of beneficial uses of surface waters and groundwater and the prevention of nuisance.

**WDR** – State Water Resources Control Board (SWRCB) Order No. 2022.0103-DWQ, known as the WASTE DISCHARGE REQUIREMENTS (WDR), which was adopted December 2, 2022, and became effective on June 5, 2023.

INTENTIONALLY LEFT BLANK

# Purpose and Background

---

In December 2022, the State of California's Water Resources Control Board (SWRCB) adopted Order Number WQ 2022-0103-DWQ that updated General WDRs for sanitary sewer systems designed to convey wastewater greater than one (1) mile in length. The order became effective on June 5, 2023. This order supersedes the previous Order Number 2006-0003-DWQ and all amendments thereafter (i.e., Order No. WQ 2013-0058-EXEC). The WDR requires that all enrolled agencies develop a Sewer System Management Plan (SSMP) that describes the activities of the enrollee in managing, operating, and maintaining their sanitary sewer collection system. The purpose of the Order is to prevent sanitary sewer spills and to provide a plan and schedule for measures to be implemented for spill prevention including measures to effectively clean up and report spills. The reissued 2022 WDR can be found on the SWRCB website here;

[https://www.waterboards.ca.gov/board\\_decisions/adopted\\_orders/water\\_quality/2022/wqo\\_2022-0103-dwq.pdf](https://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2022/wqo_2022-0103-dwq.pdf)

The reissued WDR includes directives for owners and operators of sanitary sewer systems to demonstrate adequate and efficient management, operation, and maintenance of the sanitary sewer system. Generally, the WDR requires that:

- (a.) In the event of a spill, all feasible steps are taken to control the released volume and prevent untreated wastewater from entering storm drains, creeks, etc.
- (b.) If a spill occurs, it must be reported to the SWRCB using the California Integrated Water Quality System (CIWQS), the online reporting system developed by the SWRCB.
- (c.) An SSMP with all mandatory elements be developed and approved by the governing body that owns or is responsible for the operation of the sanitary sewer system. The SSMP must include provisions to provide proper and efficient management, operation, and maintenance of the sanitary sewer system.

Spills often contain high levels of suspended solids, pathogenic organisms, toxic pollutants, nutrients, oxygen-demanding organic compounds, oil and grease and other pollutants. Spills may cause a public nuisance and/or a public health hazard particularly when raw untreated wastewater is discharged to areas with high public exposure, such as streets or surface waters used for drinking, fishing, or body contact recreation. Spills may pollute surface or ground waters, threaten public health, adversely affect aquatic life, and impair the recreational use and aesthetic enjoyment of surface waters.

Sanitary sewer systems experience periodic failures resulting in discharges that may affect waters of the state. There are many factors (including factors related to geology, design, construction methods and materials, age of the system, population growth, and system operation and maintenance), or excessive infiltration and inflow (I/I) which affect the likelihood of a spill. A proactive approach that requires agencies to ensure a system-wide operation, maintenance, and management plan is in place that will reduce the number and frequency of spills within the state. This approach will in turn decrease the risk to human health and the environment caused by spills.

INTENTIONALLY LEFT BLANK

# Elements of a SSMP

---

A Sewer System Management Plan (SSMP) is a living planning document that documents ongoing local sewer system management program activities, procedures, and decision-making – at the scale necessary to address the size and complexity of the subject sanitary sewer system(s). This SSMP may incorporate other programs and other plans by reference, to address short-term and long-term system resilience through:

- Proactive planning and decision-making.
- Local government ordinances.
- Updated operations and maintenance activities and procedures.
- Implementation of capital improvements.
- Sufficient local budget to support staff resources, contractors, equipment, and training; and
- Updated training of staff and contractors.

The Enrollee's development, update, and implementation of a SSMP addressing the pertinent requirements is an enforceable component of the General Order. As specified in the General Order, consistent with the Water Code and the State Water Board Enforcement Policy, the State Water Board or a Regional Water Board may consider the Enrollee's efforts in implementing an effective SSMP to prevent, contain, control, and mitigate spills when considering Water Code section 13327 factors to determine necessary enforcement of the General Order.

The eleven (11) required SSMP Elements that must be included in an SSMP are as follows:

1. Sewer System Management Plan Goal and Introduction
2. Organization
3. Legal Authority
4. Operations and Maintenance Program
5. Design and Performance Provisions
6. Spill Emergency Response Plan
7. Sewer Pipe Blockage Control Plan
8. System Evaluation, Capacity Assurance, and Capital Improvements
9. Monitoring, Measurement and Program Modifications
10. Internal Audits
11. Communication Program

INTENTIONALLY LEFT BLANK

# 1 SSMP Goal and Introduction

---

This Sewer System Management Plan (SSMP) has been prepared in compliance with the requirements of the State Water Resources Control Board's Order Number WQ 2022-0103-DWQ. This chapter includes a summary of the regulations that serve as the impetus for the development of this SSMP, update schedule for CSA 53B's SSMP, and a brief overview of CSA 53B's service area and sanitary sewer system.

## Requirements:

D.1. SEWER SYSTEM MANAGEMENT PLAN GOAL AND INTRODUCTION: The goal of the Sewer System Management Plan (Plan) is to provide a plan and schedule to: (1) properly manage, operate, and maintain all parts of the Enrollee's sanitary sewer system(s), (2) reduce and prevent spills, and (3) contain and mitigate spills that do occur. The Plan must include a narrative Introduction section that discusses the following items:

1.1. Regulatory Context: The Plan Introduction section must provide a general description of the local sewer system management program and discuss Plan implementation and updates.

1.2. Sewer System Management Plan Update Schedule: The Plan Introduction section must include a schedule for the Enrollee to update the Plan, including the schedule for conducting internal audits. The schedule must include milestones for incorporation of activities addressing prevention of sewer spills.

1.3. Sewer System Asset Overview: The Plan Introduction section must provide a description of the Enrollee-owned assets and service area, including but not limited to:

- Location, including county(ies);
- Service area boundary;
- Population and community served;
- System size, including total length in miles, length of gravity mainlines, length of pressurized (force) mains, and number of pump stations and siphons;
- Structures diverting stormwater to the sewer system;
- Data management systems;
- Sewer system ownership and operation responsibilities between Enrollee and private entities for upper and lower sewer laterals;
- Estimated number or percent of residential, commercial, and industrial service connections; and
- Unique service boundary conditions and challenge(s).

Additionally, the Plan Introduction section must provide reference to the Enrollee's up-to-date map of its sanitary sewer system, as required in section 4.1 (Updated Map of Sanitary Sewer System) of the General Order's Attachment D.

## 1.1 Regulatory Context

The San Bernardino County Department of Public Works, Special Districts Department, Water and Sanitation Division (Department) has implemented this SSMP in accordance with the requirements of the State Water Resources Control Board's General Order. Fawnskin CSA 53B's SSMP was written in 2017 and plans to obtain approval of this SSMP Update by the Department's Board of Supervisors in 2026. The SSMP was audited in 2025 in compliance with the State Water Resources Control Board's regulations.

The WDR requires that the SSMP be updated and approved by the agency's elected governing body every six (6) years following the due date of the previous Plan Update. In addition, the Department must conduct an internal audit of the SSMP every three (3) years to evaluate its progress in meeting the goals, objectives, and requirements outlined in the Plan. The due dates for CSA 53B's SSMP updates and audits can be found using CSA 53B's WDID (8SSO10600) at the following link: [https://www.waterboards.ca.gov/water\\_issues/programs/sso/lookup/](https://www.waterboards.ca.gov/water_issues/programs/sso/lookup/).

The SSMP along with all references in the document, self-audits, and the adoption documents approved by the Department will be kept on file at Department offices, the Department's website, and an entry will be made in the California Integrated Water Quality System (CIWQS) database when SSMP updates and audits are completed.

The Department's goal is to effectively implement the SSMP by ensuring that cleaning, CCTV inspection, condition assessment, and rehabilitation activities are performed regularly to maintain the sewer system in proper working condition.

## 1.2 Sewer System Management Plan Update Schedule

**Table 1-1** shows important milestones and dates for CSA 53B to comply with the General Order in order to incorporate activities that prevent sewer spills.

**Table 1-1: SSMP Update Schedule**

Milestones	Frequency	Due DATES
Submit Annual Report	Annually	April 1 <sup>st</sup> annually
Update System Mapping	Annually	End of calendar year
System Cleaning	Entire system every five (5) years (or 20% a year)	5/2/2030 for entire system
CCTV Inspections	Entire system every five (5) years (or 20% a year)	5/2/2030 for entire system
SSMP Focused Training	Annually	End of calendar year
Update Equipment Inventory	Annually	End of calendar year
Evaluate Design Criteria and Construction Standards and Specifications	3 years	5/2/2028
Evaluate Spill Emergency Response Plan	3 years	5/2/2028
Evaluate Sewer Pipe Blockage Control Program	3 years	5/2/2028

**Table 1-1: SSMP Update Schedule**

Milestones	Frequency	Due DATES
CIP Development	Ongoing	Ongoing
Review SSMP and Update Change Log	Annually	5/2/2027
SSMP Audit	3 years	5/2/2028
Evaluate Communication Program	3 years	5/2/2028
SSMP Update	6 years	5/2/2032

## 1.3 Sewer System Asset Overview

Fawnskin (CSA 53B) is a county service area (CSA) maintained and operated by the San Bernardino County Special Districts Department (Department) that collects and disposes of wastewater from its service area which is then sent to the Big Bear Area Regional Wastewater Agency (BBARWA) to eventually be treated. It is located in San Bernardino County and is approximately 96 miles east of downtown Los Angeles in Southern California. CSA 53B Fawnskin is accessible via Interstates 10 and 210 as well as State Highway 38. CSA 53B serves an area of approximately 4.2 square miles and a population of approximately 403. CSA 53B conveys approximately 83,000 gallons of wastewater per day.

San Bernardino County owns and operates the sewer collection system within the CSA 53B service area. Their service area provides sewer service to most residents within the service area. **Table 1-2** documents Fawnskin's sewer system assets, and **Table 1-3** documents the number of service connections which connect into Fawnskin's sewer system. General maintenance of the sanitary sewer collection system is performed by Department staff.

The Department is in the process of updating their geographic information systems (GIS) data for the CSA collection system. Once the GIS database is fully developed, the Department will maintain an up-to-date map of CSA 53B's sanitary sewer and storm drain systems. These maps will display gravity line segments, manholes, pumping facilities, pressure pipes, and applicable stormwater conveyance features within the sewer service area boundaries. Additional details regarding these maps are provided in Section 4.1 (Updated Map of Sanitary Sewer System).

**Table 1-2: Sewer System Assets**

Fawnskin (CSA 53B) Assets	Value
Total Length	19.21 miles
Length of Gravity Mainlines	18 miles
Length of Pressure Force Mains	6,400 ft (1.21 miles)
Number of Lift Stations	3
Number of Siphons	81
Structures Diverting Stormwater to the Sewer System	0
Data Management Systems	GIS geodatabase
Sewer System Ownership and Operation Responsibilities between Enrollee and Private Entities for Upper and Lower Sewer Laterals	Enrollee responsible for the lateral within the public ROW. Property owner is responsible for lateral within property line.
Estimated Number or Percent of Residential, Commercial, and Industrial Service Connections	See Table 1-3
Unique Service Boundary Conditions and Challenge(s)	None

**Table 1-3: Number of Service Connections**

<b>Land Use Type</b>	<b>Service Connections</b>
Recreational Trailer Park	2
Church	3
School	2
Multi-Family Residential	7
Park	3
Campground	6
Commercial	15
Residential	939
<b>Total Active Connections</b>	<b>977</b>

# 2 Organization

---

This chapter describes the Department's organizational staffing responsible and integral for implementing the local Sewer System Management Plan.

## Requirements:

D.2. ORGANIZATION: The Plan must identify organizational staffing responsible and integral for implementing the local Sewer System Management Plan through an organization chart or similar narrative documentation that includes:

- The name of the Legally Responsible Official as required in section 5.1 (Designation of a Legally Responsible Official) of the General Order;
- The position titles, telephone numbers, and email addresses for management, administrative, and maintenance positions responsible for implementing specific Sewer System Management Plan elements;
- Organizational lines of authority; and
- Chain of communication for reporting spills from receipt of complaint or other information, including the person responsible for reporting spills to the State and Regional Water Boards and other agencies, as applicable. (For example, county health officer, county environmental health agency, and State Office of Emergency Services.)

**(SEE SSMP VOLUME II)**

INTENTIONALLY LEFT BLANK

# 3 Legal Authority

---

This chapter describes the legal authority required to implement the SSMP plans and procedures.

## Requirements:

D.3. LEGAL AUTHORITY: The Plan must include copies or an electronic link to the Enrollee's current sewer system use ordinances, service agreements and/or other legally binding procedures to demonstrate the Enrollee possesses the necessary legal authority to:

- Prevent illicit discharges into its sanitary sewer system from inflow and infiltration (I&I); unauthorized stormwater; chemical dumping; unauthorized debris; roots; fats, oils, and grease; and trash, including rags and other debris that may cause blockages;
- Collaborate with storm sewer agencies to coordinate emergency spill responses, ensure access to storm sewer systems during spill events, and prevent unintentional cross connections of sanitary sewer infrastructure to storm sewer infrastructure;
- Require that sewer system components and connections be properly designed and constructed;
- Ensure access for maintenance, inspection, and/or repairs for portions of the service lateral owned and/or operated by the Enrollee;
- Enforce any violation of its sewer ordinances, service agreements, or other legally binding procedures; and
- Obtain easement accessibility agreements for locations requiring sewer system operations and maintenance, as applicable.

## 3.1 Compliance Documents

Supporting information for Element 3 is included in **Appendix A**, **Appendix B**, and on the Department's website. These sources include the following documents:

1. *CSA53B Rules & Regulations* (Rules and Regulations), Aug 1982 (**Appendix A**)
2. *Wastewater Ordinance Regulating the Use and Construction of Public Wastewater Facilities* (Wastewater Ordinance), Dec 1980 (**Appendix B**)
3. *2012 San Bernardino County Special Districts Department's Standards for Sanitary Sewers*  
(<https://specialdistricts.sbcounty.gov/project-management/water-sewer-standards/>)

### 3.1.1 Department Ordinance

The SWRCB requires the Department to have the legal authority necessary to manage and operate CSA sewer systems as part of the SSMP. This legal authority is provided in Section 1 of the Department's Wastewater Ordinance, which grants the Department the ability to acquire, manage, and operate all CSA sewer systems to serve current and future needs.

## 3.2 Compliance Summary

The WDR requires that the Department have legal authority in the areas shown in **Table 3-1**.

**Table 3-1: WDR Requirements**

Legal Authority Order Requirements	Applicable Sections of the Ordinances
<p>a. Prevent illicit discharges into its sanitary sewer system from inflow and infiltration (I&amp;I); unauthorized stormwater; chemical dumping; unauthorized debris; roots; fats, oils, and grease; and trash, including rags and other debris that may cause blockages</p>	<p><u>CSA 53B Rules and Regulations</u></p> <ul style="list-style-type: none"> <li>• The following Ordinances within Section 3.7 prohibit the following from being discharged into the sewer system:               <ul style="list-style-type: none"> <li>○ Section 3.7.02 restricts discharge of toxic and poisonous substances</li> <li>○ Section 3.7.03 restricts discharge of highly acidic and corrosive substances</li> <li>○ Section 3.7.04 restricts discharge of solid or viscous substances in quantities or of such size capable of causing obstruction</li> <li>○ Section 3.7.06 restricts discharge of any liquid or other waste containing fats, wax, grease, or oils</li> <li>○ Section 3.7.07 restricts discharge of liquids containing excess of heavy metals and toxic substances</li> <li>○ Section 3.7.08 restricts discharge of high concentrations of phenols or odor/taste producing substances</li> <li>○ Section 3.7.09 restricts discharge of suspended and dissolved solids that would interfere with the treatment plant process</li> <li>○ Section 3.7.10 restricts discharge of radioactive material</li> <li>○ Section 3.7.11 restricts discharge of untreatable wastes</li> <li>○ Section 3.7.13 restricts discharge of surface runoff or groundwater</li> <li>○ Section 3.7.15 restricts discharge of any damaging substances to the sewer system</li> </ul> </li> <li>• Section 3.11 prohibits the discharge of water from a swimming pool into the public sewer system.</li> <li>• Section 3.12.02 outlines the requirements of discharging into the sewer, specifically concentration and volume of the substance and supervision requirements.</li> </ul> <p><u>1980 Wastewater Ordinance</u></p> <ul style="list-style-type: none"> <li>• Section 1.8.08 prohibits illegal connections of roof downspouts, drains, and other sources of surface runoff or groundwater to prevent the discharge of rainwater, storm water, or ground water into the sewer system.</li> <li>• Section 1.10.01 addresses the illicit discharge of grease, oil, sand, and swimming pool discharges.</li> </ul>

**Table 3-1: WDR Requirements**

Legal Authority Order Requirements	Applicable Sections of the Ordinances
b. Collaborate with storm sewer agencies to coordinate emergency spill responses, ensure access to storm sewer systems during spill events, and prevent unintentional cross connections of sanitary sewer infrastructure to storm sewer infrastructure	The Department is currently in the process of developing and updating its sewer use ordinance to include collaboration with storm sewer agencies to address and fully comply with the requirements of the WDR.
c. Require that sewer system components and connections be properly designed and constructed	<p><u>CSA 53B Rules and Regulations</u></p> <ul style="list-style-type: none"> <li>• Section 3.8.01 requires pretreatment and that the design and installation of pretreatment equipment be approved by the Department.</li> <li>• Section 3.8.03 requires the installation of grease and sand interceptors.</li> <li>• Section 4.1 requires an application for sewer service.</li> <li>• Section 4.6 requires compliance with the permit issued by the Department.</li> </ul> <p><u>1980 Wastewater Ordinance</u></p> <ul style="list-style-type: none"> <li>• Section 1.8.01 requires a permit from the Department before making a connection with the public sewer system.</li> <li>• Section 1.8.10 requires that any sewer connections shall be made only by an insured contractor.</li> <li>• Section 1.9.01 requires written approval from the Department before construction or extension of the public sewer.</li> <li>• Section 1.9.09 requires that any applicants who propose construction of a public sewer must prepare plans and specifications for all wastewater facilities in accordance with the Department's <i>Design Criteria and Technical Specifications</i>. The entire document outlines how sewer facilities must be designed for approval by the Department.</li> <li>• Sections 1.9.09 thru 1.9.11 lists plan check and construction requirements to obtain approval by the Department.</li> <li>• Section 1.10.01 requires the installation of grease and sand interceptors per the Uniform Plumbing Code.</li> </ul>
d. Ensure access for maintenance, inspection, and/or repairs for portions of the service lateral owned and/or operated by the Enrollee	<p><u>CSA 53B Rules and Regulations</u></p> <ul style="list-style-type: none"> <li>• Section 4.8 requires inspection of all facilities connecting into the sewer system by the Department.</li> </ul> <p><u>1980 Wastewater Ordinance</u></p> <ul style="list-style-type: none"> <li>• Section 1.8.02 applies to the inspection of a building sewer and the requirement of approval.</li> <li>• Section 1.9.12 details that all construction work shall be inspected by an inspector.</li> </ul>

**Table 3-1: WDR Requirements**

Legal Authority Order Requirements	Applicable Sections of the Ordinances
	<ul style="list-style-type: none"> <li>Section 1.12.03 allows that any authorized employee and District representative shall be permitted to enter the buildings for inspection, observation, and sampling.</li> </ul>
<p>e. Enforce any violation of its sewer ordinances, service agreements, or other legally binding procedures</p>	<p><u>CSA 53B Rules &amp; Regulations</u></p> <ul style="list-style-type: none"> <li>Section 1.7 specifies the legal right of the District to pursue any remedy by law in Section 1.13 of the District Ordinance.</li> </ul> <p><u>1980 Wastewater Ordinance</u></p> <ul style="list-style-type: none"> <li>Section 1.12.01 details the implications of a violation of an Ordinance.</li> <li>Section 1.12.04 details violation penalties and processes.</li> <li>Section 1.13 grants the Department the authority to enforce and penalize for violations of the Ordinance, including fines and arrests.</li> </ul>
<p>f. Obtain easement accessibility agreements for locations requiring sewer system operations and maintenance, as applicable</p>	<p><u>CSA 53B Rules and Regulations</u></p> <ul style="list-style-type: none"> <li>Section 4.11 requires that the owner of a building sewer obtain an easement if the building sewer is not completely within the parcel.</li> </ul> <p><u>1980 Wastewater Ordinance</u></p> <ul style="list-style-type: none"> <li>Section 1.9.14 lists instructions for preparing easement documents.</li> </ul> <p><u>Design Standards</u></p> <ul style="list-style-type: none"> <li>Section 1.1.04 details that permanent legal access must be provided to the sewer by way of easement</li> </ul>

### 3.2.1 Prevention of Illicit Discharges

All measures prohibiting illicit discharges are included in Section 1.8.08 and 1.10.01 of the Department's Wastewater Ordinance, and Sections 3.7, 3.11, and 3.12 of CSA 53B's *Rules & Regulations*. The specific purpose of these sections is to prevent the discharge of any pollutant into the sewers that would obstruct or damage the collection system, interfere with treatment, or threaten harm to human health or the environment.

- **Stormwater and I/I** – Section 1.8.08 of the Wastewater Ordinance prohibits the illicit discharge of rainwater, storm water, ground water, etc. into a sanitary sewer through direct or indirect connection. Section 3.7.13 of the Rules & Regulations restricts the discharge of surface runoff or groundwater.
- **Chemical Dumping** – Section 3.7.02 of the Rules & Regulations restricts discharge of toxic and poisonous substances. Section 3.7.03 restricts discharge of highly acidic and corrosive substances. Section 3.7 restricts discharge of liquids containing excess of heavy metals and toxic substances.
- **Unauthorized Debris; Roots; Fats, Oils, and Grease; and Trash** - Section 1.10.01 of the Wastewater Ordinance restricts discharge into a sewer connection of specified wastes such as grease, oil, and sand.

Section 3.7 of the Rules & Regulations prohibits the illegal discharge of FOG, chemical debris, unauthorized debris, and any sewer pipe-blocking substances into the CSA's sewer system.

### 3.2.2 Storm Water Agency Collaboration

The Department will strengthen interagency communication with County and/or City staff regarding storm drain systems located within its service area. By incorporating GIS layers obtained from these agencies, the Department will ensure that staff are familiar with stormwater collection facilities situated near sewer infrastructure. This collaborative effort will enhance spill response, reduce cross-contamination risks, and support the development of effective containment and prevention strategies.

Coordinated planning of sewer and stormwater facility installations is essential to prevent unintentional cross-connections. To support this, the Department will maintain detailed records of sanitary sewer system alignments and construction schedules, as well as those of storm drain agencies, to ensure that the two systems remain fully separated. The Department will update its Ordinance to incorporate this requirement.

### 3.2.3 Proper Design and Construction of Sewers and Connections

Regulations pertaining to the design, construction, and inspection of private sewer systems, building sewers, and connections are included in Sections 1.6, 1.8, 1.9, 1.10, and 2.0 of the Department's Wastewater Ordinance. Regulations pertaining to the applications for sewer service, compliance with Department-issued permits, and installation of pretreatment equipment and interceptors are included in Sections 3.8, 4.1, and 4.6 of the CSA 53B Rules and Regulations.

**Permit Required** - A permit is required prior to the construction of any private wastewater disposal system. A permit is also required prior to constructing a building or lateral sewer or connecting to a public sewer as discussed in Section 1.8.01 of the Wastewater Ordinance. The permit application may include review of plans and specifications by the Department.

### 3.2.4 Lateral Maintenance Access

Section 1.8.02 of the Wastewater Ordinance applies to the inspection of a building sewer and related approval requirements. Section 1.9.12 details that all construction work shall be inspected by an inspector, and Section 1.12.03 permits any authorized employee or District representative to enter buildings connected to the sewer system for inspection, observation, and sampling.

### 3.2.5 Enforcement Measures

Section 1.13 of the Wastewater Ordinance authorizes the enforcement of sewer provisions. Written notice is issued to individuals in violation, along with a specified timeframe for corrective action. Additional enforcement measures may include declaring a public nuisance or disconnecting the property from the public sewer system. Individuals in violation are liable to the Department for any expenses, losses, or damages resulting from the violation. Section 1.12.01 outlines the implications of violating the Ordinance, and Section 1.12.04 defines the associated penalties and enforcement procedures.

Section 1.7 of the CSA 53B Rules & Regulations affirms the Department's legal authority to pursue any remedy permitted under Section 1.13 of the Wastewater Ordinance.

### 3.2.6 Easement Accessibility Agreements

The Wastewater Ordinance does not currently include a formal easement accessibility agreement; however, the Department is working on updating the Ordinance to add easement accessibility requirements in order to comply with the latest WDR.

# 4 Operation and Maintenance Program

---

This chapter describes the Department's ability to properly manage, operate, and maintain all parts of CSA 53B's sanitary sewer system, and that the system operators (including employees, contractors, or other agents) are adequately trained and possess adequate knowledge, skills, and abilities.

## Requirements:

D.4. OPERATION AND MAINTENANCE PROGRAM: The Plan must include the items listed below that are appropriate and applicable to the Enrollee's system.

4.1. Updated Map of Sanitary Sewer System: An up-to-date map(s) of the sanitary sewer system, and procedures for maintaining and providing State and Regional Water Board staff access to the map(s). The map(s) must show gravity line segments and manholes, pumping facilities, pressure pipes and valves, and applicable stormwater conveyance facilities within the sewer system service area boundaries.

4.2. Preventive Operation and Maintenance Activities: A scheduling system and a data collection system for preventive operation and maintenance activities conducted by staff and contractors.

The scheduling system must include:

- Inspection and maintenance activities;
- Higher-frequency inspections and maintenance of known problem areas, including areas with tree root problems;
- Regular visual and closed-circuit television (CCTV) inspections of manholes and sewer pipes. The data collection system must document data from system inspection and maintenance activities, including system areas/components prone to root-intrusion potentially resulting in system backup and/or failure.

4.3. Training: In-house and external training provided on a regular basis for sanitary sewer system operations and maintenance staff and contractors. The training must cover:

- The requirements of the General Order;
- The Enrollee's Spill Emergency Response Plan procedures and practice drills;
- Skilled estimation of spill volume for field operators; and
- Electronic CIWQS reporting procedures for staff submitting data.

4.4. Equipment Inventory: An inventory of sewer system equipment, including the identification of critical replacement and spare parts.

## 4.1 Updated Map of Sanitary Sewer System

The Department is currently developing a comprehensive, customized, electronic-based GIS sewer collection system map, showing all pipeline segments and manholes within the Department's jurisdictional boundary using as-built information. GIS maps will be updated as needed, or as corrections are provided.

At the current time, hard copies of maps are available at Department offices and maintenance crew vehicles. Digital record drawings are available on the Department's server and is only accessible at Department offices. The Department's maintenance crew currently rely on hard copy maps to access sewer line information. As of January 2026, the Department has begun system setup for the implementation of Cartograph software. The program is currently being updated and configured and has not yet gone live; once fully implemented, it will allow crews to view maps digitally and document cleanings and CCTV inspections electronically.

The new GIS maps will include stormwater facility layers, as required by the WDR. The Department has contacted local stormwater agencies to obtain GIS data for their storm drain systems. This information will be incorporated into the updated sewer collection system map (Appendix C) and shared with State and Regional Water Board staff through annual CIWQS submissions and this SSMP Update.

## 4.2 Preventive Operation and Maintenance Activities

Preventive operation and maintenance of CSA 53B's sanitary sewer collection system, including routine cleaning and inspection, are performed by Department maintenance crews. Maintenance staff access service orders through an online portal for general maintenance related tasks. The Department directly handles customer complaint investigations. The protocol for customer complaints is provided in **Appendix D**.

### 4.2.1 Sewer Cleaning, CCTV Inspection, & Roots Maintenance

To proactively maintain its sanitary sewer collection system, the Department staff perform annual cleaning and inspections on a large portion of the network as part of a rotating five-to-seven-year cleaning and CCTV inspection schedule. The maintenance crew accesses service orders for required work through a dedicated portal. Preventive maintenance activities, such as routine cleaning and CCTV inspections, are not included in the portal but are assigned to the crew throughout the year.

The Department's maintenance crew consists of one team with two certified staff members. When issues are identified during CCTV inspections, minor defects are repaired immediately. Major defects requiring a Capital Improvement Project (CIP) are documented by the Water & Sanitation Supervisor and forwarded to the Project Management Division, which is responsible for creating the CIP and allocating the necessary budget to the CIP.

The Department plans to continue a proactive cleaning and CCTV inspection schedule to achieve a complete system cleaning and assessment every five years to seven years, inspecting 14-20% annually. Locations prone to failure or blockage receive more frequent CCTV inspections.

CSA 53B does not experience significant root intrusion; therefore, the Department's crew does not conduct preventive root maintenance. If roots are found during CCTV inspections, they are removed immediately using a rodder machine.

### 4.2.2 Lift Stations Maintenance

Lift stations are physically inspected by the crews on Mondays, Wednesdays, and Fridays, with drive-by checks on Tuesdays and Thursdays. Pump hours are logged, and stations are inspected for leaks. SCADA monitors lift station levels, and alerts are sent for issues occurring outside normal hours. On-call staff receive notifications and can remotely operate pumps and generators using their tablets. Most problems can be addressed remotely. Nine staff

members are on call for emergencies. Contractors are only called if additional assistance is required. The Department has backup generators at each lift station for use during power outages.

### 4.2.3 Odor Control

It is very uncommon for CSA 53B to receive odor complaints. Each complaint is thoroughly investigated, and the Department determines the most effective course of action, which may include flushing and cleaning the sewerline.

### 4.2.4 Corrosion Control

The Department has not observed any corrosion within the CSA 53B system and, as a result, has not needed corrosion treatment. Any corroded manhole lid discovered in the field is replaced immediately. If corrosion is identified elsewhere, the affected pipeline will be added to the CIP list for future sliplining.

### 4.2.5 Data Collection

Department staff record cleaning activities on hard-copy forms and document CCTV inspections digitally using the computers in each maintenance vehicle. The Department is committed to thorough documentation of all maintenance activities and plans to implement Cartograph software, which will provide a centralized database for recording and accessing both cleaning records and CCTV inspection data. This software is scheduled for implementation by December 2026. The Department will continue documenting and monitoring system deficiencies and recurring issues identified through customer complaints, field inspections, and CCTV inspection results.

## 4.3 Training

The Department maintains a staff training program, encompassing:

- **Technical Skills:** Internal instruction and external workshops (California Water Environment Association)
- **Safety and Emergency Response:** biweekly safety tailgate meetings, confined space entry, traffic control, mock sewer spill drills, emergency bypass pumping drills, and spill volume estimation.
- **Operational Proficiency:** New staff training in lift station operations and maintenance.

While all SERP trainings historically were not always adequately documented, the Department is committed to ensuring that all trainings are fully documented and readily accessible moving forward. The Department will regularly review and update its program to meet system maintenance demands. Beginning in 2026, the Department will begin to conduct annual training on the SSMP, reinstate annual training on the Spill Emergency Response Plan (SERP), and continue training on CIWQS reporting.

All contractors engaged by the Department are qualified and maintain the required licenses and permits. The Department will provide contractors with copies of the SERP and SSMP and will require SERP and SSMP training for both current and future contractors.

## 4.4 Equipment Inventory

The Department maintains an equipment inventory, with all equipment and replacement parts for stored at its two operational hubs: the Victor Valley Hub and the Valley Hub.

The Department is committed to ensuring equipment functionality and backup supply availability. All equipment is maintained in optimal condition, and all lift stations are equipped with on-site backup generators.

To maintain adequate inventory, purchases are made as needed. Quarterly checks will be conducted on equipment and spare parts to ensure readiness for emergencies. In case of additional equipment or part requirements, the Department has established relationships with contractors and equipment rental companies.

**Appendix E** provides the Department's current equipment and replacement parts inventory.

# 5 Design and Performance Provisions

---

This chapter references the design and construction standards & specifications for new sewer systems, pump stations, and other appurtenances, and for the rehabilitation and repair of existing sewer systems. Also included are the procedures and standards for the inspection and testing of these facilities.

## Requirements:

D.5. DESIGN AND PERFORMANCE PROVISIONS: The Plan must include the following items as appropriate and applicable to the Enrollee's system:

5.1. Updated Design Criteria and Construction Standards and Specifications: Updated design criteria, and construction standards and specifications, for the construction, installation, repair, and rehabilitation of existing and proposed system infrastructure components, including but not limited to pipelines, pump stations, and other system appurtenances. If existing design criteria and construction standards are deficient to address the necessary component-specific hydraulic capacity as specified in the General Order section 8 (System Evaluation, Capacity Assurance and Capital Improvements) of the General Order's Attachment D, the procedures must include component-specific evaluation of the design criteria.

5.2. Procedures and Standards: Procedures and standards for the inspection and testing of newly constructed, newly installed, repaired, and rehabilitated system pipelines, pumps, and other equipment and appurtenances.

**(SEE SSMP VOLUME II)**

INTENTIONALLY LEFT BLANK

# 6 Spill Emergency Response Plan

---

This chapter provides an overview and summary of the Department's spill response, detection, mitigation, clean up, investigation, documentation, and reporting.

## Requirements:

D.6. SPILL EMERGENCY RESPONSE PLAN: The Plan must include an up-to-date Spill Emergency Response Plan to ensure prompt detection and response to spills to reduce spill volumes and collect information for prevention of future spills. The Spill Emergency Response Plan must include procedures to:

- Notify primary responders, appropriate local officials, and appropriate regulatory agencies of a spill in a timely manner;
- Notify other potentially affected entities (for example, health agencies, water suppliers, etc.) of spills that potentially affect public health or reach waters of the State;
- Comply with the notification, monitoring and reporting requirements of the General Order, State law and regulations, and applicable Regional Water Board Orders;
- Ensure that appropriate staff and contractors implement the Spill Emergency Response Plan and are appropriately trained;
- Address emergency system operations, traffic control and other necessary response activities;
- Contain a spill and prevent/minimize discharge to waters of the State or any drainage conveyance system;
- Minimize and remediate public health impacts and adverse impacts on beneficial uses of waters of the State;
- Remove wastewater from the drainage conveyance system;
- Clean the spill area and drainage conveyance system in a manner that does not inadvertently impact beneficial uses in the receiving waters;
- Implement technologies, practices, equipment, and interagency coordination to expedite spill containment and recovery;
- Implement pre-planned coordination and collaboration with storm drain agencies and other utility agencies/departments prior, during, and after a spill event;
- Conduct post-spill assessments of spill response activities;
- Document and report spill events as required in the General Order; and
- Annually, review and assess effectiveness of the Spill Emergency Response Plan, and update the Plan as needed.

**(SEE SSMP VOLUME II)**

INTENTIONALLY LEFT BLANK

# 7 Sewer Pipe Blockage Control Program

---

This chapter discusses the Department's sewer pipe blockage control measures, including identification of problem areas, focused cleaning, and source control.

## Requirements:

D.7. SEWER PIPE BLOCKAGE CONTROL PROGRAM: The Sewer System Management Plan must include procedures for the evaluation of the Enrollee's service area to determine whether a sewer pipe blockage control program is needed to control fats, oils, grease, rags and debris. If the Enrollee determines that a program is not needed, the Enrollee shall provide justification in its Plan for why a program is not needed. The procedures must include, at minimum:

- An implementation plan and schedule for a public education and outreach program that promotes proper disposal of pipe-blocking substances;
- A plan and schedule for the disposal of pipe-blocking substances generated within the sanitary sewer system service area. This may include a list of acceptable disposal facilities and/or additional facilities needed to adequately dispose of substances generated within a sanitary sewer system service area;
- The legal authority to prohibit discharges to the system and identify measures to prevent spills and blockages;
- Requirements to install grease removal devices (such as traps or interceptors), design standards for the removal devices, maintenance requirements, best management practices requirements, recordkeeping and reporting requirements;
- Authority to inspect grease producing facilities, enforcement authorities, and whether the Enrollee has sufficient staff to inspect and enforce the fats, oils, and grease ordinance;
- An identification of sanitary sewer system sections subject to fats, oils, and grease blockages and establishment of a cleaning schedule for each section; and
- Implementation of source control measures for all sources of fats, oils, and grease reaching the sanitary sewer system for each section identified above.

**(SEE SSMP VOLUME II)**

INTENTIONALLY LEFT BLANK

# 8 System Evaluation, Capacity Assurance, and Capital Improvements

---

This chapter discusses the Department's capacity management measures, including the most recent list of recommended capacity improvement projects.

## Requirements:

D.8. SYSTEM EVALUATION, CAPACITY ASSURANCE AND CAPITAL IMPROVEMENTS: The Plan must include procedures and activities for:

- Routine evaluation and assessment of system conditions;
- Capacity assessment and design criteria;
- Prioritization of corrective actions; and
- A capital improvement plan.

8.1 System Evaluation and Condition Assessment: The Plan must include procedures to:

- Evaluate the sanitary sewer system assets utilizing the best practices and technologies available;
- Identify and justify the amount (percentage) of its system for its condition to be assessed each year;
- Prioritize the condition assessment of system areas that:
  - Hold a high level of environmental consequences if vulnerable to collapse, failure, blockage, capacity issues, or other system deficiencies;
  - Are located in or within the vicinity of surface waters, steep terrain, high groundwater elevations, and environmentally sensitive areas;
  - Are within the vicinity of a receiving water with a bacterial-related impairment on the most current Clean Water Act section 303(d) List;
- Assess the system conditions using visual observations, video surveillance and/or other comparable system inspection methods;
- Utilize observations/evidence of system conditions that may contribute to exiting of wastewater from the system which can reasonably be expected to discharge into a water of the State;
- Maintain documents and recordkeeping of system evaluation and condition assessment inspections and activities; and
- Identify system assets vulnerable to direct and indirect impacts of climate change, including but not limited to: sea level rise; flooding and/or erosion due to increased storm volumes, frequency, and/or intensity; wildfires; and increased power disruptions.

8.2. Capacity Assessment and Design Criteria: The Plan must include procedures to identify system components that are experiencing or contributing to spills caused by hydraulic deficiency and/or limited capacity, including procedures to identify the appropriate hydraulic capacity of key system elements for:

- Dry-weather peak flow conditions that cause or contributes to spill events;
- The appropriate design storm(s) or wet weather events that causes or contributes to spill events;

- The capacity of key system components; and
- Identify the major sources that contribute to the peak flows associated with sewer spills.

The capacity assessment must consider:

- Data from existing system condition assessments, system inspections, system audits, spill history, and other available information;
- Capacity of flood-prone systems subject to increased infiltration and inflow, under normal local and regional storm conditions;
- Capacity of systems subject to increased infiltration and inflow due to larger and/or higher-intensity storm events as a result of climate change;
- Increases of erosive forces in canyons and streams near underground and aboveground system components due to larger and/or higher-intensity storm events;
- Capacity of major system elements to accommodate dry weather peak flow conditions, and updated design storm and wet weather events; and
- Necessary redundancy in pumping and storage capacities.

8.3. Prioritization of Corrective Action: The findings of the condition assessments and capacity assessments must be used to prioritize corrective actions. Prioritization must consider the severity of the consequences of potential spills.

8.4. Capital Improvement Plan: The capital improvement plan must include the following items:

- Project schedules including completion dates for all portions of the capital improvement program;
- Internal and external project funding sources for each project; and
- Joint coordination between operation and maintenance staff, and engineering staff/consultants during planning, design, and construction of capital improvement projects; and Interagency coordination with other impacted utility agencies.

## 8.1 System Evaluation and Condition Assessment

The Department regularly evaluates CSA 53B's sewer system through CCTV inspections, ensuring that any issues identified are tracked by maintenance crews and are either immediately fixed or promptly reported to the Water and Sanitation Supervisor to be added to the CIP list. Department staff follow a CCTV inspection schedule to achieve complete system cleaning and assessment every five years to seven years, inspecting approximately 14-20% of the system annually. Starting in early 2026, the Department will implement Cartograph software, which will allow the crew to document and view CCTV inspections electronically. Currently, CCTV inspections are documented in the computers of the crew's vehicles and cleanings are documented in hard copy format.

Any corroded manhole lid discovered in the field is replaced immediately. If corrosion is identified elsewhere, the affected pipeline will be added to the CIP list for future sliplining. Additionally, lift stations are physically inspected by the crews on Mondays, Wednesdays, and Fridays, with drive-by checks on Tuesdays and Thursdays. The Department uses visual observation and CCTV inspection data to regularly assess the condition of sewer system facilities.

The Department assesses system assets for vulnerability to climate-related hazards. This includes evaluating exposure to snow conditions, erosion and flooding from increased storm frequency and intensity, wildfire risk, steep

or unstable terrain, and the potential for more frequent power disruptions. These factors are integrated into maintenance planning and asset management to ensure system reliability under evolving climate conditions.

Locations prone to failure or blockage receive more frequent inspections. CSA 53B does not currently face major challenges such as root intrusion or capacity limitations, though aging infrastructure remains a concern. The Department plans to address these issues and explore solutions in the next fiscal year alongside routine preventive maintenance.

## 8.2 Capacity Assessment and Design Criteria

Because CSA 53B's sewer system is fully built out, a hydraulic model is not currently required for capacity evaluation. The Department plans to develop a hydraulic model as part of the next SSMP update. This approach is supported by the lack of capacity-related spills to date. If capacity-related spills emerge in the future, the Department will reevaluate the necessity of a formal capacity assessment. Any identified capacity deficiencies will be incorporated into the CIP and prioritized in accordance with other capital improvement needs.

## 8.3 Prioritization of Corrective Action

The Department has historically evaluated recurring issues identified through CCTV inspections and prioritized them for project implementation. This practice is planned to continue. Defects found during CCTV inspection are incorporated into CIP projects and emergency defects are addressed immediately.

## 8.4 Capital Improvement Plan

The Department currently addresses rehabilitation and replacement projects as issues arise. Each year, potential infrastructure improvements are evaluated and incorporated into the Capital Improvement Program schedule, with pipelines or manholes requiring immediate attention addressed promptly.

In 2025, approximately 2,080 LF of 6-inch vacuum sewer pipe was installed in CSA 53B. Currently, there are no anticipated capital improvement projects scheduled.

Planning, design, and construction efforts involve ongoing coordination among Water and Sanitation Division staff, Project Management Division staff, and engineering consultants. Funding for capital improvement projects is allocated based on priority and need.

INTENTIONALLY LEFT BLANK

# 9 Monitoring, Measurement and Program Modifications

This section of the SSMP discusses parameters the Department tracks to monitor the success of CSA 53B's SSMP and how the Department plans to keep the SSMP current.

## Requirements:

D.9. MONITORING, MEASUREMENT AND PROGRAM MODIFICATIONS: The Plan must include an Adaptive Management section that addresses Plan-implementation effectiveness and the steps for necessary Plan improvement, including:

- Maintaining relevant information, including audit findings, to establish and prioritize appropriate Plan activities;
- Monitoring the implementation and measuring the effectiveness of each Plan Element;
- Assessing the success of the preventive operation and maintenance activities;
- Updating Plan procedures and activities, as appropriate, based on results of monitoring and performance evaluations; and
- Identifying and illustrating spill trends, including spill frequency, locations and estimated volumes.

The Department will enhance tracking of SSMP element performance in 2026. The Department updates SSMP program elements as needed. The Department identifies and illustrates any spills trends, including spill frequency, locations and estimated volumes. Scheduled preventative maintenance, repair, and cleaning needs are prioritized based on criticality to the proper functioning of CSA 53B's collection network, known line requirements, and "at-risk" issues. The Department uses this information to assess the success of the preventative maintenance program, and to prioritize SSMP activities. Currently, the Department is motivated to be more proactive about spill prevention in CSA 53B and understands how tracking their SSMP elements will improve efficacy of this goal.

The Department intends to regularly track whether the SSMP elements are being performed and their effectiveness. The Department will develop a database, or similar tool, to maintain specific information related to the SSMP, as a central repository for changes to the SSMP and regularly track the success of SSMP elements, including the preventative maintenance activities noted above. The Department will evaluate whether SSMP elements have changed so that changes can be documented in a Change Log to include the specific change, the date of the change and the name of the person making the change. The Change Log is included in **Appendix F**. Procedures and activities will be updated based on these tracking and assessment methods described. **Table 9-1** details a schedule for evaluating the Monitoring, Measurement, and Program Modifications.

**Table 9-1: SSMP Update Schedule**

Milestones	Frequency	Due Dates
Evaluate whether SSMP elements have changed	Annually	5/2/2026 and annually thereafter
Track the Success of SSMP Elements	Annually	5/2/2026 and annually thereafter

**Table 9-1: SSMP Update Schedule**

Milestones	Frequency	Due Dates
Assess the Preventative Operation and Maintenance Activities	Annually	5/2/2026 and annually thereafter

The Department has a renewed commitment to improved tracking and updating their procedures and activities as needed. SSMP Audit findings will also be tracked and used to determine any necessary SSMP modifications. **Table 9-2** describes the monitoring parameters for tracking the effectiveness of each Plan Element, which the Department will also review during CSA 53B’s next SSMP Audit, in addition to the schedule depicted in Table 9-1.

**Table 9-2: SSMP Monitoring Parameters, by SSMP Element**

SSMP Element	Summary of Element Purpose	Parameters for Tracking Effectiveness (Annual)
SSMP Goal and Introduction	Provide a plan and schedule to: (1) properly manage, operate, and maintain all parts of CSA 53B’s sanitary sewer system(s), (2) reduce and prevent spills, and (3) contain and mitigate spills that do occur	<ul style="list-style-type: none"> <li>• CSA 53B is following SSMP Update Schedule</li> <li>• Annually review section</li> </ul>
Organization	Document LRO(s), organization of Department staff, contact information, and chain of communication for spill response	<ul style="list-style-type: none"> <li>• Annually review section</li> </ul>
Legal Authority	Ensure the Department has sufficient legal authority required to implement the SSMP plans and procedures	<ul style="list-style-type: none"> <li>• Annually review section</li> </ul>
Operations and Maintenance Program	Minimize blockages and spills; properly manage, operate, and maintain all parts of the sanitary sewer system; ensure system operators (including employees, contractors, or other agents) are adequately trained	<ul style="list-style-type: none"> <li>• Percentage of gravity pipelines cleaned</li> <li>• Percentage of pipelines inspected by televising</li> <li>• Number of lift station failures</li> <li>• Number of pipe failures</li> <li>• Regular training related to SSMP requirements</li> <li>• Equipment inventory tracked</li> <li>• Annually review section</li> </ul>
Design and Performance Provisions	Maintain updated design and construction standards & specifications for new sewer systems, pump stations, and other appurtenances, and for the rehabilitation and repair of existing sewer systems.	<ul style="list-style-type: none"> <li>• Annually review section</li> </ul>
Spill Emergency Response Plan	Provide timely and effective response, detection, mitigation, clean up, investigation, and documentation to spill emergencies; and comply with regulatory reporting requirements	<ul style="list-style-type: none"> <li>• Average and maximum response time</li> <li>• Percent of total overflow volume contained or returned to sewer</li> <li>• Compliance with notification, monitoring, and reporting requirements</li> <li>• Staff and contractors are implementing the Spill Emergency Response Plan</li> </ul>

**Table 9-2: SSMP Monitoring Parameters, by SSMP Element**

SSMP Element	Summary of Element Purpose	Parameters for Tracking Effectiveness (Annual)
		<ul style="list-style-type: none"> <li>• Perform regular training on the Spill Emergency Response Plan.</li> <li>• Contain any spills and prevent/minimize discharge to waters of the State or any drainage conveyance system</li> <li>• Minimize and remediate public health impacts and adverse impacts on beneficial uses of waters of the State</li> <li>• Clean the spill area and drainage conveyance system in a manner that does not inadvertently impact beneficial uses in the receiving waters</li> <li>• Spill events are documented and reported as required in the General Order</li> <li>• Spill responses are assessed</li> <li>• Conduct annual review of Spill Emergency Response Plan</li> <li>• Annually review section</li> </ul>
Sewer Pipe Blockage Control Plan	Incorporating sewer pipe blockage control measures, including identification of problem areas, focused cleaning, and source control.	<ul style="list-style-type: none"> <li>• Evaluate the need to initiate a FOG Control Plan</li> <li>• Plan and schedule for a public education and outreach program</li> <li>• Annually review section</li> </ul>
System Evaluation, Capacity Assurance, and Capital Improvements	Evaluate procedures and activities for: (1) routine evaluation and assessment of system conditions; (2) capacity assessment and design criteria; (3) prioritization of corrective actions; and (4) a capital improvement plan.	<ul style="list-style-type: none"> <li>• Number of spills due to capacity limitations or wet weather</li> <li>• Date of completion of most recent sewer master plan, including flow metering and/or hydraulic modeling</li> <li>• 3-year backlog for capacity improvement projects</li> <li>• Utilize CCTV inspection and assessment and tracking system deficiencies</li> <li>• Prioritize projects based on their need for repair and replacement</li> <li>• Evaluate system deficiencies with recurrent issues and how these can be turned into rehabilitation or replacement projects.</li> <li>• Creation of a schedule to complete these projects</li> <li>• Document system evaluation and condition assessment inspections and activities</li> <li>• Determine solutions to address infiltration &amp; inflow (I/I), aging infrastructure, corrosion due to sulfuric acid, and sags in the system due to unstable soil</li> <li>• Determine solutions to protect from heavy rains, earthquakes, and other impacts of climate change</li> </ul>

**Table 9-2: SSMP Monitoring Parameters, by SSMP Element**

SSMP Element	Summary of Element Purpose	Parameters for Tracking Effectiveness (Annual)
		<ul style="list-style-type: none"> <li>• Determine funding sources</li> <li>• Annually review section</li> </ul>
Monitoring, Measurement and Program Modifications	Evaluate effectiveness of SSMP, keep SSMP up-to-date, and identify necessary changes	<ul style="list-style-type: none"> <li>• Document SSMP information</li> <li>• Follow schedule for reviewing SSMP information</li> <li>• Determine effectiveness of each Plan Element</li> <li>• Assess the success of preventive operation and maintenance activities;</li> <li>• Update Plan procedures and activities based on evaluation</li> <li>• Identify and illustrate spill trends</li> <li>• Annually review section</li> </ul>
Internal Audits	Formally identify SSMP effectiveness, limitations, and necessary changes	<ul style="list-style-type: none"> <li>• Date of completion of last annual audit</li> <li>• Audits are occurring during original audit cycle</li> <li>• Audit is uploaded to CIWQS within 6 months of end of audit period</li> <li>• Deficiencies found during the audit are addressed and corrected</li> <li>• Annually review section</li> </ul>
Communication Program	Communicate with the public and satellite agencies.	<ul style="list-style-type: none"> <li>• SSMP is uploaded/updated on CSA 53B's website &amp; CIWQS</li> <li>• Plan and schedule for a public education and outreach program</li> <li>• Notification program to the public for sewer system management and information on spills and discharges</li> <li>• Annually review section</li> </ul>

The Department will use the specific monitoring parameters listed in **Table 9-2** and documented on the tracking sheet included in **Appendix G** to assist in completion of the SSMP Audit described in Plan Element 10. The Department will also continue to collect data for all performance measures currently tracked. This additional information that the Department collects, such as length of pipe cleaned, will be used to assess and continuously improve the effectiveness of the SSMP and identify any limitations. To support this evaluation, the Department has established the following performance objectives:

- A minimum of 20% of the collection system cleaned each year
- A minimum of 20% of the collection system CCTV-inspected each year
- No overdue audits

The Department tracked scheduled preventative maintenance, repairs, and cleaning activities and is committed to improve on the consistency of this tracking, including beginning to track system deficiencies with recurrent issues to further support the success of the SSMP. The Department has consistently tracked the components listed in **Table 9-3** to quantitatively determine the effectiveness of preventive operation and maintenance activities. Using this data and comparing it to spill data shown in **Table 9-4**, the current preventative operation and maintenance activities appear to be successful in reducing spills.

**Table 9-3 Preventive Operation and Maintenance Activities to Track**

Description of work event
Total length of gravity pipelines cleaned
Percentage of gravity pipelines cleaned
Total number of manhole inspections
Total length of pipelines inspected by televising
Percentage of pipelines inspected by televising

**Table 9-4** shows the spill trends for CSA 53B. If spills do occur in the future, the Department will include data related to spill frequency, locations, and estimated volumes.

**Table 9-4: Spill Trends from 2016 to 2025**

Year	No. of Spills				
	Category 1	Category 2	Category 3	Category 4 <sup>1</sup>	Total Spills
2016	0	0	0	N/A	0
2017	0	0	0	N/A	0
2018	0	0	0	N/A	0
2019	0	0	0	N/A	0
2020	0	0	0	N/A	0
2021	0	0	0	N/A	0
2022	0	0	1	N/A	1
2023	0	0	0	0	0
2024	0	0	0	0	0
2025	0	0	0	0	0

**Note:**

<sup>1</sup> Category 4 spills will be reported in 2023 and beyond.

The Category 3 spill from 2022 was caused by a crack in a pipe. The spill was addressed immediately, and the pipe was repaired.

INTENTIONALLY LEFT BLANK

# 10 Internal Audits

---

This chapter discusses the Department's SSMP auditing program.

## Requirements:

D.10. INTERNAL AUDITS: The Plan shall include internal audit procedures, appropriate to the size and performance of the system, for the Enrollee to comply with section 5.4 (Sewer System Management Plan Audits) of the General Order.

The State Water Resources Control Board's Order Number WQ 2022-0103-DWQ requires that the Department conduct an internal audit of CSA 53B's SSMP at least once every three (3) years. The audit is to evaluate how the Department has developed and implemented each of the eleven elements of the SSMP and how each element is functioning to assist in the prevention of sanitary sewer spills in CSA 53B. The audit report shall be kept on file at Department offices and uploaded to the online California Integrated Water Quality System (CIWQS) database within 6 months after the end of the 3-year audit period. Any deficiencies found during the audit are addressed and corrected.

The due dates for CSA 53B's SSMP and SSMP audits can be found here using CSA 53B's WDID (8SS010600):

[https://www.waterboards.ca.gov/water\\_issues/programs/sso/lookup/](https://www.waterboards.ca.gov/water_issues/programs/sso/lookup/)

In 2025, the Department contracted with Dudek to work closely with Department staff to review CSA 53B's SSMP, its implementation, and the effectiveness of the Department's efforts in reducing spills. This audit was completed in February 2026.

The Department plans to complete audit requirements and due dates corresponding to the original audit cycle. CSA 53B's next SSMP audit is to be completed by 11/2/2028, six months after the end of the audit period. During this next audit, the Department will review the progress of SSMP elements and their success, areas of improvement in implementing the SSMP and preventing spills, evaluate whether they are tracking monitoring, measurement, and program modifications under Element 9, provide a description of system improvements from the previous year, and provide a description and schedule of system improvements for the upcoming year. Audit findings and recommendations will be incorporated into future SSMP Updates.

INTENTIONALLY LEFT BLANK

# 11 Communication Program

---

This section of the SSMP discusses the Department's communications with the public.

## Requirements:

D.11. COMMUNICATION PROGRAM: The Plan must include the following items as appropriate and applicable to the Enrollee's system:

The Plan must include procedures for the Enrollee to communicate with:

- The public for:
  - Spills and discharges resulting in closures of public areas, or that enter a source of drinking water, and
  - The development, implementation, and update of its Plan, including opportunities for public input to Plan implementation and updates.
- Owners/operators of systems that connect into the Enrollee's system, including satellite systems, for:
  - System operation, maintenance, and capital improvement-related activities.

**(SEE SSMP VOLUME II)**

INTENTIONALLY LEFT BLANK

# 12 Supporting Documentation

---

INTENTIONALLY LEFT BLANK

# Appendix A

---

CSA 53B Rules & Regulations, Aug 1982

INTENTIONALLY LEFT BLANK

RULES AND REGULATIONS

RESOLUTION NO. 82-237

RESOLUTION OF THE BOARD OF SUPERVISORS  
OF THE COUNTY OF SAN BERNARDINO  
ACTING ON BEHALF OF

COUNTY SERVICE AREA 53-B

ESTABLISHING  
RULES AND REGULATIONS  
FOR SEWER SERVICE

August 16, 1982

COUNTY OF SAN BERNARDINO  
SPECIAL DISTRICTS DEPARTMENT

COUNTY SERVICE AREA 53-B

Rules and Regulations

for

SEWER SERVICE

RESOLUTION NO. 82- 237

August 16, 1982

TABLE OF CONTENTS

		<u>PAGE</u>
SECTION 1.0	- GENERAL PROVISIONS	
1.1	Short Title	1
1.2	Words and Phrases	1
1.3	Sewer System	1
1.4	Separability	1
1.5	Tampering With District System	1
1.6	Protection from Damage	1
1.7	Penalty for Violation	2
1.8	Variance	2
SECTION 2.0	- DEFINITIONS	
2.1	Definitions	3-5

TABLE OF CONTENTS  
(continued)

SECTION 3.0	-	GENERAL USE REGULATIONS	
3.1		General	6
3.2		Installation Costs	6
3.3		Notification of District	6
3.4		Excavations	6
3.5		Testing	6
3.6		Industrial Wastewater	7
3.7		Types of Waste Prohibited	7-9
3.8		Control of Prohibited Wastes	9
3.9		Maintenance of Flow Equalizing System	10
3.10		Tests and Measurements	10
3.11		Swimming Pools	10
3.12		Pumped Waste	10
3.13		More Restrictive Provisions	10
SECTION 4.0	-	APPLICATION FOR SEWER SERVICE AND CONNECTION TO SEWER SYSTEM	
4.1		Application for Sewer Service	11
4.2		Compliance-Intent of Applicant	11
4.3		Payment for Previous Service	11
4.4		Application for Connection to Sewer System	11
4.5		Duration of Permit	11
4.6		Compliance with Permit	11
4.7		Agreement	12
4.8		Inspection	12
4.9		Size and Location	12
4.10		Separate Connections Required	12
4.11		Residential, Commercial, and Industrial Sewer Service Connection	12
4.12		Condemned Work	13
4.13		Liability for Costs	13
4.14		Sewers Outside the District	13
4.15		Sewer Service Feasibility Study	13
SECTION 5.0	-	USER/STANDBY CHARGES	
5.1		User Charge	14
5.2		User Charge Classification	14
5.3		User Contesting Classification	15
5.4		User Charge Billing Period	15
5.5		Stand-by Charge	15

TABLE OF CONTENTS  
(continued)

SECTION 6.0	-	NOTICES	
6.1		Notices to Owner or User	16
6.2		Notices from Owner or User	16
SECTION 7.0	-	DISCONTINUANCE OF SERVICE	
7.1		Service Refused or Discontinued	17
7.2		Violation	17
SECTION 8.0	-	BILLING	
8.1		Billing Period	18
8.2		User Charges	18
8.3		Rendering of Bills	18
8.4		Billing of User Charge	18
8.5		Owner's Guarantee	18
8.6		Owner-Tenant Agreement	18
8.7		Change of Ownership	18
SECTION 9.0	-	COLLECTION	
9.1		Delinquent User Charges	19
9.2		Suit against Owner and Applicant	19
9.3		Costs of Suit	19
9.4		Suits Against Property	19
9.5		Collection on Tax Roll	19
SECTION 10.0	-	SCHEDULE OF FEES	
10.1		Connection to Sewer System	20
10.2		Main Sewer Connection Charge	20-21
10.3		Buy-in Charge	22
10.4		Plan Checking	22
10.5		Inspection Fees and Construction Permit	23-24
10.6		Fee for Discharge of Pumpings from Chemical Toilets; Septic and Holding Tanks; Cesspools or Leach Pits to Sewer System	24
SECTION 11.0	-	CRITERIA FOR DESIGN, TECHNICAL SPECIFICATIONS AND STANDARD DRAWINGS	
11.1		Adoption	25
SECTION 12.0	-	REPEAL OF PRIOR PROVISIONS	
12.1		Repeal of Prior Provisions	26

COUNTY SERVICE AREA 53

COUNTY OF SAN BERNARDINO

RULES AND REGULATIONS FOR SEWER SERVICE

RESOLUTION NO. 82-237

RESOLUTION OF THE BOARD OF SUPERVISORS OF  
THE COUNTY OF SAN BERNARDINO ACTING IN ITS CAPACITY AS  
THE GOVERNING BODY OF COUNTY SERVICE AREA 53 ESTABLISHING  
RULES AND REGULATIONS FOR SEWER SERVICE.

----

BE IT RESOLVED by the Board of Supervisors of the County of San Bernardino, California, acting in its capacity as the governing body of County Service Area 53 as follows:

SECTION 1.0 - GENERAL PROVISIONS

1.1 Short Title - This Resolution shall be known and may be cited as Rules and Regulations, Sewer Service.

1.2 Words and Phrases - For the purpose of this Resolution, all words used herein in the present tense shall include the future; all words in the plural number shall include the singular number; and all words in the singular number shall include the plural number.

1.3 Sewer System - The District provides a Public Sewer System, including all parts of the system, all appurtenances to it, and lands, easements, rights to land, contract rights, other collection facilities and equipment for the collection of waste waters within the District; and contracts with the Big Bear Area Regional Wastewater Agency for the treatment, and disposal of waste waters from the District's System.

1.4 Separability - If any section, sub-section, sentence, clause, or phrase of this Resolution is for any reason adjudged to be invalid, such decision shall not affect the validity of the remaining portions of this Resolution.

1.5 Tampering with District System - No one, except an authorized employee or representative of the District, shall at any time and in any manner operate, interfere disrupt or tamper with the District's system or any related equipment.

1.6 Protection from Damage -All District property comes within the operation of Penal Code, Section 594, which provides in general that every person who maliciously injures or destroys any real or personal property not his own, in cases otherwise than such as are specified in this Code, is guilty of a misdemeanor."

SECTION 1.0 - GENERAL PROVISIONS

(continued)

1.7 Penalty for Violation - If any Person fails to comply with all or any part of these Rules and Regulations, or any District resolution or order fixing rates and charges, the District may pursue any remedy provided to it by law, including, without limitation, Section 1.13 of the District Ordinance, a copy of which is on file and available for inspection at the business office of the District and at the office of the Clerk of the Board of Supervisors.

1.8 Variance - When any person, by reason of special circumstances, is of the opinion that a variance is necessary or that any provision of these Rules and Regulations is unjust or inequitable as applied to his facilities or property, that Person may make written application as specified in Section 1.12.10 of the District Ordinance, a copy of which is on file and available for inspection at the business office of the District and at the office of the Clerk of the Board of Supervisors.

## SECTION 2.0 - DEFINITIONS

2.1 Definitions - The meaning of terms used in these Rules and Regulations shall be as defined in the Uniform Plumbing Code except as specifically modified herein, or as inconsistent with the definitions contained herein or with the context thereof. The following definitions shall prevail in the event of any inconsistency with or omission from the Uniform Plumbing Code definitions:

2.1.01 APPLICANT - The person making application hereunder, who shall be the owner of the premises involved or his agent authorized as such in writing, or a plumber or contractor licensed as such by the State of California.

2.1.02 AGENT - The person authorized in writing to act on behalf of the Owner, or a plumber or Contractor acting at the direction of the Owner and licensed as such by the State of California.

2.1.03 BOARD - The Board of Supervisors of the County of San Bernardino, State of California, acting in its capacity as the governing body of the District.

2.1.04 BUILDING SEWER - That portion of sewer from the building sewer drain to the Public Sewer, including the sewer lateral and the cleanout.

2.1.05 COMMISSION - An Advisory Commission of the District appointed by the Board in accordance with its policies.

2.1.06 CONTRACTOR - An individual, firm, corporation, partnership, or association duly licensed by the State of California to perform the type of work to be done under the permit, contract or agreement.

2.1.07 COST - The cost of labor, material, transportation, supervision, engineering, and all other necessary overhead expenses.

2.1.08 COUNTY - The County of San Bernardino, State of California.

2.1.09 DISTRICT - Any county service area, improvement zone, or sanitation district which has adopted these Rules and Regulations and for which the Board is the governing body. Also, textual reference to "The District", shall mean the county service area, improvement zone or sanitation district which is administering or enforcing these Rules and Regulations.

2.1.10 DISTRICT ENGINEER - The Engineer appointed by the Board to support the District.

2.1.11 DISTRICT MANAGER - The person employed or appointed to act as manager for the District.

SECTION 2.0 - DEFINITIONS  
(continued)

2.1.12 DISTRICT ORDINANCE - Ordinance No. SD 80-9, adopted by the Board on December 1, 1980 to regulate the use and construction of Public Wastewater Facilities, as the same may be amended from time to time.

2.1.13 EQUIVALENT DWELLING UNITS (EDU) - The number of Equivalent Dwelling Units fixed and established for all the various classifications of types and uses of property by the Rules and Regulations of the District, as such classifications may be duly revised from time to time.

2.1.14 FIXTURE UNIT EQUIVALENTS - The fixture unit equivalent prescribed by the Uniform Plumbing Code or substantially equivalent provisions in subsequent plumbing codes adopted by the Board.

2.1.15 GARBAGE - Solid wastes from the preparation, cooking, and dispensing of food, and from the handling, storage and sale of produce

2.1.16 INSPECTOR - An authorized District representative who performs inspection duties.

2.1.17 INDUSTRIAL WASTEWATER - Any and all liquid or water borne waste from industrial or commercial processes, except domestic sewage.

2.1.18 LIVING UNIT - A building or part of a building which contains one kitchen facility and/or one or more bathrooms, and which is normally used as a residence.

2.1.19 OWNER - The person or persons in whose name the legal title to property appears by deed duly recorded in the County Recorder's Office. Also, a person holding property pursuant to a Term Special Use or other permit issued by a governmental entity.

2.1.20 PERMIT - Any written authorization required pursuant to these Rules and Regulations, the District Ordinance, or any other rule or regulation of the Board.

2.1.21 PERSON - One or more individuals of either sex, or a company or other legal entity, including the heirs, assigns and successors in interest thereof.

2.1.22 PUBLIC SEWER - That portion of a sewer which is a common sewer and is owned or directly controlled by the District. It does not include any portion of a building sewer.

2.1.23 SEWAGE - Any liquid waste containing animal or vegetable matter in suspension or solution and may include liquids containing chemicals in solution.

SECTION 2.0 - DEFINITIONS

(continued)

- 2.1.24 SEWER SYSTEM - A system which may include any combination of integrated facilities for collecting, transporting, pumping, treating and disposing of sewage, which are owned, directly controlled, or otherwise furnished by the District.
- 2.1.25 SEWER - A pipe or conduit for carrying sewage.
- 2.1.26 SPECIAL DISTRICTS DEPARTMENT - The department authorized by the Board to provide extended services to special districts functioning in the County.
- 2.1.27 SPECIAL DISTRICTS DIRECTOR - The person appointed by the Board to act as Director for the Special Districts Department.
- 2.1.28 UNIFORM PLUMBING CODE - The Uniform Plumbing Code as published by the International Association of Plumbing and Mechanical Officials and as adopted by the County as its plumbing code.
- 2.1.29 USER - The person or persons owning or controlling or entitled to possession of property or improvements to which the sewer facilities of the District are connected or available.
- 2.1.30 WASTEWATER FACILITIES - Any facility for the transportation, treatment, or disposal of sewage.

## SECTION 3.0 - GENERAL USE REGULATIONS

3.1 General - The construction of sewers and laterals and connections to the Sewer System shall be governed by the District's Standards for Sanitary Sewers and the Uniform Plumbing Code except as herein modified. Unless the context dictates otherwise, the technical terms used in Sections 3.6 through 3.12 of these Rules and Regulations (i.e. Biochemical Oxygen Demand- B.O.D., Dissolved Solids- D.S., Suspended Solids- S.S., etc.) shall be as defined in the latest adopted edition of "Standard Methods for the Examination of Water and Wastewater" as published by the American Public Health Association.

3.2 Installation Costs - All costs and expenses incident to the installation and connection of the Building Sewer shall be borne by the Owner. The Owner shall indemnify the District against any liability occasioned by the installation of the Building Sewer.

3.3 Notification of District - An Applicant for a Building Sewer Permit shall notify the District twenty four (24) hours in advance when the Building Sewer is ready for inspection. The Building Sewer and its connection to the Sewer System shall be consistent with the District's Standards, the Uniform Plumbing Code, and in accordance with Section 1.8 of the District Ordinance #SD 80-9.

3.4 Excavations - All excavations for Building Sewer installations shall be adequately guarded with barricades and lights to protect the public from hazard. Streets, sidewalks, and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the District and the Owner of such property. All excavations shall comply with all applicable government safety codes and the Contractor or Owner shall secure all necessary permits.

3.5 Testing - A clean-out or two way test tee shall be installed at the point the Building Sewer exits the structure and at the point the Building Sewer crosses the property line. A length of 1/2" x 18" steel re-bar shall be buried horizontally 6" below the ground surface at the location of the clean-out at the property line. The connections to the Sewer System shall be water tested and inspected in the presence of the Inspector. The labor and materials for testing shall be furnished by the Person constructing the sewer. All lines showing leakage, poor workmanship not in conformance with all applicable codes and District Standards for Sanitary Sewers shall be repaired, reworked, or replaced at the expense of the Applicant or Person doing the work and to the satisfaction of the Inspector.

SECTION 3.0 - GENERAL USE REGULATIONS  
(continued)

3.6 Industrial Wastewater - Any Person desiring to discharge industrial wastewater into a Public Sewer of the District will be required, on request of the District, to submit a letter to the District Manager presenting information as to the kind and amount of industrial wastewater to be so discharged. No industrial wastewater shall be discharged into the Sewer System which will cause the effluent discharged from the sewage treatment facilities to violate any discharge requirements set by the California Regional Water Quality Control Board having jurisdiction.

No industrial wastewater shall be discharged to the Public Sewer which exceeds the following chemical, physical and/or bacteriological concentrations:

- a. Methylene Blue Active Substance, 1.0 mg/l.
- b. Dissolved sulfides, 0.1 mg/l.
- c. Five (5) day Biochemical Oxygen Demand, 700 mg/l.
- d. Total dissolved solids, 500 mg/l plus the yearly average total dissolved solids in the industry's water supply.
- e. Sodium-ion, 100 mg/l plus yearly average sodium-ion in the industry's water supply.
- f. Chloride-ion, 100 mg/l plus yearly average of the chloride-ion in the industry's water supply.

3.7 Types of Waste Prohibited - No Person shall discharge or cause to be discharged any of the following described liquids or other wastes to any Public Sewer:

3.7.01 Flammable, or Explosive Substances - Any gasoline, benzene, naphtha, fuel oil, or other flammable, or explosive hydrocarbon as a liquid, solid or gas.

3.7.02 Toxic or Poisonous Substances - Any toxic or poisonous solids, liquids, or gases in sufficient quantity, either singly or by interaction with any other wastes, to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, create a public nuisance, or create any hazard to the receiving waters of the sewage treatment plant, including but not limited to cyanides in excess of two (2) mg/l as CN in the wastes as discharged to the Public Sewer.

3.7.03 pH Range and Corrosive Properties - Any liquid or other wastes having a pH lower than 5.5 or higher than 9.5 or having any other corrosive property capable of causing damage or hazard to person or to property.

SECTION 3.0 - GENERAL USE REGULATIONS  
(continued)

3.7.04 Solid or Viscous Substances - Solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interference with the proper operation of the sewage works, including but not limited to such substances as ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, unground garbage, whole blood, paunch, manure, hair and fleshings, entrails, and paper dishes, cups, milk containers, or other material, either whole or ground by garbage grinders.

3.7.05 High Temperature Limit - Any liquid or vapor having a temperature higher than one hundred fifty (150) degrees F (65 degrees C) at the Building Sewer.

3.7.06 Fats, Waxes, Grease or Oils - Any liquid or other waste containing fats, wax, grease, or oils, in excess of one hundred (100) mg/l, whether emulsified or not; or containing substances which may solidify or become viscous at temperatures between thirty-two (32) degrees F and one hundred fifty (150) degrees F (0 degrees C and 65 degrees C).

3.7.07 Heavy Metals or Excessive Chlorine Demand - Any liquid or other waste containing iron, chromium, copper, zinc, and similar objectionable or toxic substances, or wastes exerting an excessive chlorine requirement, to such degree, that any such material received in the composite sewage at the sewage treatment works exceed the limits established by local, State or Federal agencies for such materials.

3.7.08 Phenols, Odor or Taste Producing Substances - Any liquid or other waste containing phenols or other taste or odor-producing substances in concentrations exceeding limits which may be established by the District to meet applicable requirements of the local, State, or Federal agencies.

3.7.09 Suspended or Dissolved Solids - Materials which exist or cause unusual concentrations of Suspended Solids or of Dissolved Solids, which interfere with the treatment plant process or cause violations of applicable waste discharge requirements.

3.7.10 Radioactive Wastes - Any radioactive material or substance which exceeds the half life or concentration limits set by applicable State or Federal regulations.

3.7.11 Untreatable Wastes - Liquid or other wastes containing substances which are not amenable to treatment or reduction by the sewage treatment processes employed, or are not sufficiently amenable to treatment to permit the sewage treatment plant effluent to meet the requirements of other agencies having jurisdiction over discharge to the receiving waters.

SECTION 3.0 - GENERAL USE REGULATIONS  
(continued)

3.7.12 Pumpings from Septic Tanks, Cesspools, Leach Pits, Holding Tanks and Chemical Toilets - Pumpings from chemical toilets, septic tanks, holding tanks, and cesspools or leach pits.

3.7.13 Surface Runoff or Groundwater - Surface runoff or groundwater as indicated in Section 1.8.08 of the District Ordinance.

3.7.14 Water Softening Unit Wastes - Any waste discharge resulting from the charging, regeneration or operation of water softening equipment.

3.7.15 Damaging Substances - Any material or concentration of material which will cause damage, or abnormal maintenance or operation costs in respect to any part of the Sewer System.

3.8 Control of Prohibited Wastes - If any liquid or other waste is discharged, or is proposed to be discharged to the Public Sewers, which contains the substances or possesses the characteristics enumerated in Section 3.7 of these Rules and Regulations or which in the judgment of the District Manager or District Representative may have a deleterious effect upon the Sewer System or the processes, equipment, or receiving waters connected therewith, or which otherwise create a hazard to life or constitute a public nuisance, the District may invoke Section 1.12 and/or 1.13 of the District Ordinance, and in addition may take any of the following actions:

3.8.01 Pretreatment - Require pretreatment by the Owner to an acceptable condition for discharge to the Public Sewers. The design and installation of the plants and equipment shall be subject to the review and approval of the District and subject to the requirements of all applicable codes, ordinances, laws and regulations.

3.8.02 Quantities and Rates - Require that the Owner exercise specific control over the quantities and rates of discharges.

3.8.03 Grease and Sand Interceptors and Separators - Require the Owner to install, maintain, and use Grease and Sand Interceptors and Separators as specified in Sections 708, 710, 711, and 712 of the Uniform Plumbing Code, as modified and superseded by the District Ordinance or District Rules and Regulations.

3.8.04 Costs - Require payment from the Owner to cover the added cost to the District for handling and treating the wastes not covered by existing taxes or sewer charges.

SECTION 3.0 - GENERAL USE REGULATIONS  
(continued)

3.9 Maintenance of Flow Equalizing System - Where any fluid or other waste is undergoing preliminary treatment or flow-equalizing, the facilities for such processes shall be continuously maintained in satisfactory and effective operation by the Owner at his expense.

3.10 Tests and Measurements - All measurement, tests, and analyses of the characteristics of liquid and other waste to which reference is made in this Resolution shall be conducted in accordance with the latest adopted edition of "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association. The Applicant shall be responsible for all Costs incurred.

3.11 Swimming Pools - It shall be unlawful for any Person to discharge the contents of a swimming pool into the Public Sewer except in the manner specified herein. The rate of out-flow shall not exceed one hundred (100) gallons per minute. Each swimming pool discharging into the Public Sewer shall be equipped with a fixed air gap approved by the San Bernardino County Department of Building and Safety and Department of Environmental Health Services to preclude any possibility of a backflow of sewage into the swimming pool or piping system.

3.12 Pumped Waste - The discharge of pumpings from chemical toilets, septic tanks, holding tanks, and cesspools or leach pits shall be permitted only as follows:

3.12.01 Permit - A Permit for such discharge must be obtained from the District by the Owner or his Agent and the applicable fees paid as specified in Section 10.0 hereof. A Pumped Waste Permit must be obtained for every Septic Tank, Holding Tank, Cesspool, or Leach Pit from which discharge is to be made to the Sewer System.

3.12.02 Discharge Requirements - Pumpings discharged into the Sewer System shall provide maximum dilution for such discharges and shall be made at the specific location and time as designated by the District Manager. The District may require that the discharge shall be under the continuous supervision of a District employee. The discharge to the Sewer System shall not exceed a flow rate of 25 gallons per minute, unless otherwise approved in writing by the District Manager. The total septic tank and cesspool pumpings discharged to the Sewer System pursuant to any one Permit shall not exceed 1,500 gallons in any twenty-four (24) hour period, unless otherwise approved in writing by the District Manager.

3.13 More Restrictive Provisions - The District may, by contract or operation of law be or become subject to discharge requirements which impose more restrictive discharge limitations than are set forth in this Regulation. All such discharge requirements are hereby incorporated into this Regulation. After due notice thereof, no Person shall discharge to the Sewer System or cause to be discharged thereto any wastewater or other substance which would violate or cause the District to be in violation of any discharge requirement, whether specifically set forth as incorporated herein or not.

SECTION 4.0 - APPLICATION FOR SEWER SERVICE  
AND CONNECTION TO SEWER SYSTEM

4.1 Application for Sewer Service - Application for sewer service from the District shall be made by an Applicant on a form prescribed by the District. The application form shall be completed and signed by the Applicant at the District Office.

4.2 Compliance-Intent of Applicant - Such application will signify the Owner's willingness and intention to comply with this and other ordinances or regulations relating to District sewer service and to make required payment for sewer service.

4.3 Payment for Previous Service - An application for sewer service or connection permit will not be granted unless all accounts or outstanding invoices due the District have been paid in full by the Applicant.

4.4 Application for Connection to Sewer System - An Applicant shall make application for connection to the Sewer System at the District office. The Applicant shall give a description of the character of the work proposed to be done, the legal description (Lot, Tract, Parcel #, and situs address) the location, ownership, occupancy, and use of the premises to be served, and the name and address of the Person who shall make the connection. The District may require plans, specifications, or drawings and such other information as may be deemed necessary to insure compliance with District's Rules and Regulations.

If the District determines that the plans, specifications, drawings, descriptions, or information furnished by the Applicant are in compliance with the District Ordinance and all other applicable laws, rules and regulations, the District shall issue the Permit applied for upon payment of the required fees pursuant to Section 10.0 hereof.

4.5 Duration of Permit - Permits issued pursuant to these Rules and Regulations shall expire at the time stated upon the Permit, not to exceed six (6) months, and shall then be of no further force or effect. Fees paid under any Permit are not subject to refund or credit in the event that a Permit expires without completion of its entitlement.

4.6 Compliance with Permit - After approval of the application, evidenced by the issuance of a Permit, no change shall be made in the location of any sewer, or from the grade, materials, time limit or other details described in the Permit or shown on the plans and specifications for which the Permit was issued, except with written permission from an authorized representative of the District.

SECTION 4.0 - APPLICATION FOR SEWER SERVICE  
AND CONNECTION TO SEWER SYSTEM  
(continued)

4.7 Agreement - The Applicant's signature on a Permit shall constitute an agreement between the Owner and the District, in which the Owner agrees to comply with all applicable laws, rules and regulations, and ordinances, and with the plans and specifications if any, filed with the application, together with such modifications thereto as may be made or permitted by the District. Such agreement shall be binding upon the Applicant and the Owner and may be altered only by the District upon the Applicant's or Owner's written request for the alteration.

4.8 Inspection - All facilities proposed for acceptance into any part of the Sewer System must be inspected by the District, or by an Inspector acting for the District, to insure compliance with all requirements of the District. At least one (1) full working day notice of readiness for inspection shall be given for the required inspection.

4.9 Size and Location - The District reserves the right to determine the number and size of sewer laterals and their location with respect to any premises to be served. Building Sewers shall not be extended to a proposed point of connection until the point of connection has been determined and approved by the District. The District is not responsible, financially or otherwise, for the routing of the Building Sewer from the improvement to the connection, or for the location of the sewer connection in relationship to the property or its improvements.

4.10 Separate Connections Required - Each building shall be connected to the Sewer System through a separate connection. Where there are two or more dwellings, offices, units, etc. within a single building and owned by the same Owner, and the building is connected to the District Sewer Main through one (1) Building Sewer, that Building Sewer shall be no less than six (6) inches in diameter. The District, after reviewing the conditions, may specify the size of the Building Sewer and connection.

4.11 Residential, Commercial, and Industrial Sewer Service Connection - It shall be unlawful to maintain a connection to the Sewer System except in conformity with the Uniform Plumbing Code, and the Districts Standards for Sanitary Sewers, When property provided with one (1) or more sewer connections is divided, each existing sewer connection shall be considered as belonging to the newly created lot or parcel of land which contains the building connected to the sewer. If any Building Sewer is not completely within the parcel it serves, the Owner must obtain and record any and all necessary easements for said Building Sewer.

SECTION 4.0 - APPLICATION FOR SEWER SERVICE  
AND CONNECTION TO SEWER SYSTEM  
(continued)

4.12 Condemned Work - When any work subject to a Permit has been inspected and the work disapproved or condemned, and no certification of satisfactory completion given, a written notice to that effect will be given to the Applicant, instructing him to repair or remedy such work in accordance with the applicable District rules, regulations, or standards. When any work is disapproved or condemned, a re-inspection fee shall be applicable.

4.13 Liability for Costs - Both the Owner and the Person making the connection shall be liable to the District for all fees, Costs, and expenses incident to the installation and connection of any sewer or other work for which a Permit must be issued. The Owner and the Person making the connection shall indemnify the District for any loss or damage which may directly or indirectly be occasioned by their work.

4.14 Sewers Outside the District - No lot or parcel of land, or portion thereof, outside of the District boundaries, may connect to any portion of the Sewer System.

4.15 Sewer Service Feasibility Study - An Applicant wishing to connect a subdivision to the Public Sewer or to modify an existing system shall apply for a Feasibility Study as specified in Section 1.9.04 of the District Ordinance, and pay all applicable fees.

SECTION 5.0 - USER/STANDBY CHARGES

5.1 User Charge - The Owner of each house, building, or property which is required to connect to the Public Sewer, as provided in Section 1.6.3 of the District Ordinance, shall be deemed a User, shall pay a User Charge whether or not such property is connected to the Public Sewer, shall pay a User Charge whether or not the improvement on that property is occupied or utilized. Each User shall pay a charge based upon assigned Equivalent Dwelling Units (EDU). The EDU for each property shall be established in accordance with Section 5.2 of this Resolution. The User Charge shall be \$7.17 per month per assigned EDU.

5.2 Equivalent Dwelling Unit Assignment - The basis for assigning Equivalent Dwelling Units to the various use classifications is as follows:

(a) Residential:

Single family dwelling (including condominiums) - 1 EDU per Living Unit.

Multi-family dwellings - 1 EDU per Living Unit.

Motels - 1 EDU per 3 separate overnight units.

Mobile home parks - 1 EDU for club house plus 3 additional EDU's per 4 mobile home spaces.

Rooming houses - 1 EDU per 3 occupant spaces.

(b) Commercial:

Churches  
with kitchens - 2 EDU's.  
without kitchens - 1 EDU.

Conference centers - 1 EDU per 3 overnight rooms.

Conference centers with restaurant or bar - as above plus 1 additional EDU per 10 customer seats in restaurant and 2 EDU's for bar.

Golf Courses - 1 EDU plus 1 additional EDU per 20 plumbing Fixture Unit Equivalents in excess of 20. Additional units for restaurant, if any, shall be assigned as hereinafter provided.

Hospitals - 1 EDU per 2 bed spaces.

Laundries - 1 EDU per 750 pounds of dry wash per day.

Laundromats - 1 EDU per automatic washer.

Meeting Halls  
with kitchens - 2 EDU's.  
without kitchens - 1 EDU.

SECTION 5.0 - USER/STANDBY CHARGES

Recreational trailer parks - 1 EDU per  
per 4 trailer spaces.

Restaurants

with bar - 1 EDU per 10 customer seats plus  
2 EDU's for bar.

without bar - 1 EDU per 10 customer seats.

Schools - 1 EDU per 25 occupants (students,  
administrators, teachers, and employees).

Taverns - 3 EDU's.

(c) Commercial - General:

For commercial establishments not specified in  
subparagraph (b) above EDU's shall be assigned on  
the basis of 1 EDU plus an additional EDU for each  
20 plumbing Fixture Unit Equivalents in excess of 20.

(d) Special Case:

Commercial and other establishments, whether  
specified above or not, which discharge into the  
public sewers an unusually high volume of domestic  
sewage shall be assigned EDU's in accordance with  
the following formula:

Design flow (or metered flow at the commercial  
water meter) divided by 200 gallons per day (GPD)  
equals EDU's rounded to next highest whole number.

Unusual strength sewage shall be assigned EDU in  
accordance with the following formula:

$$\frac{\text{Daily Flow}}{200} \times 0.642 + \frac{\text{BOD Conc}}{200} \times 0.179 + \frac{\text{SS Conc}}{200} \times 0.179 = \# \text{ of EDU's}$$

5.3 User Contesting Classification - Users who are placed  
within a classification pursuant to Section 5.2 and who are  
dissatisfied with such classification may make a written request  
for a review of their classification in accordance with Section  
1.12.10 of the District Ordinance.

5.4 User Charge Billing Period - Billing by the District for  
User Charges will be mailed to the Owner of the property at  
intervals fixed and established by the District.

5.5 Stand-by Charge - A charge of \$10.00 per year per acre  
and \$10.00 per year for any portion of a parcel exceeding one (1)  
acre and \$10.00 per year for parcels less than one (1) acre shall  
be charged to the Owner of all parcels within 200 feet of a  
sewerline and not connected to the Sewer System prior to August  
1st of any year. Delinquent Stand-by Charges may be added to the  
property tax bill and become a lien on the property.