City of Monterey Park

2024 Sewer System Management Plan

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Acronyms and Abbreviations

The acronyms and abbreviations listed below are used throughout the document. By convention, the first usage includes the spelled-out term followed by the acronym or abbreviation in parentheses, and subsequent usage includes only the acronym or abbreviation.

CCTV	closed-circuit television
City	City of Monterey Park
CIWQS	California Integrated Water Quality System
FOG	Fats, Oils, and Grease
FSE	food service establishment
General Order	General Order WQ 2022-0103-DWQ
GIS	Geographic Information System
I/I	inflow and infiltration
LACDPW	Los Angeles County Department of Public Works
LACO	Los Angeles County Code
LACSD	Los Angeles County Sanitation Districts
NASSCO	National Association of Sewer Service Companies
O&M	Operations and Maintenance
OES	California Office of Emergency Services
POTW	publicly owned treatment works
PVC	polyvinyl chloride
RCP	reinforced concrete pipe
SERP	Spill Emergency Response Plan
SWRCB	State Water Resources Control Board
SSMP	Sewer System Management Plan
VCP	vitrified clay pipe
WDR	waste discharge requirements

EXECUTIVE SUMMARY

Background

Introduction

This Sewer System Management Plan has been prepared in accordance with General Order (General Order WQ 2022-0103-DWQ) and customized to the specific needs of the City of Monterey Park (City's) sanitary sewer system.

The City's sanitary sewer system is a wastewater collection system that consists entirely of gravity pipes and manholes. Management, operation, and maintenance of the system focuses on these elements. Spill prevention consists of regular cleaning; attention to hotspots; source control of fats, oils, and grease; and replacement of aging infrastructure. Spill containment and mitigation consists of training, application of appropriate equipment, and communication with appropriate stakeholders.

A schedule is provided herein for the periodic update of the Sewer System Management Plan on a six-year basis and the preparation of an Internal Audit on a three-year basis.

Organization

The Public Works Director is identified as the legally responsible official authorized to certify and submit (1) electronic reports on spills, (2) updates to the Sewer System Management Plan, and (3) Internal Audits.

Individuals responsible for the implementation of the Sewer System Management Plan are identified by title and job description. The chain of communication among these individuals concerning response to a spill is clearly defined.

Legal Authority

The legal authority for meeting specific requirements stipulated in the Waste Discharge Requirements are covered in the Monterey Park Municipal Code, the California Plumbing Code, and the Los Angeles County Code.

Operations and Maintenance

The City's sewer crew cleans all of the City sewer lines once a year. In areas known to accumulate excessive grease deposits, the sewer lines are cleaned more frequently. The City staff uses a specialized piece of equipment that utilizes high-pressure water to clean the sewer lines.

The City's sewer lines are constantly monitored and evaluated to determine if additional cleaning or repairs are warranted.

Public Works has an aggressive program to prevent blockages and backups of the sewer system. A majority of the locations on the "hotspots" list are caused by grease build-up from restaurants. The City maintains a source control program to ensure grease interceptors are clean and in working order.

The City records closed-circuit television (CCTV) footage of the entire sewer system on a 5-year cycle. Streets designated for resurfacing have a higher priority for CCTV inspection. Repairs in streets designated for resurfacing are made in advance of the City's paving moratorium. "Hotspots" are reviewed more frequently. CCTV inspection is the primary source of information used for identifying and prioritizing pipeline repair and rehabilitation.

Manholes are inspected on a 5-year cycle by a City operator with National Association of Sewer Service Companies (NASSCO) certification. Manhole inspection is the primary source of information used for identifying and prioritizing manhole repair and rehabilitation.

Training on the use of cleaning equipment and inspection protocols are provided to maintenance staff on an on-going basis.

Design and Performance Provisions

The City is in the process of updating its sanitary sewer design standards and plans, which are currently in draft form (see Appendix F). The draft standards are consistent with those published by the Los Angeles County Department of Public Works.

The City inspects the installation of all new and rehabilitated sewer collection pipelines and manholes. The City's Public Works inspectors are experienced in pipeline construction. They attend training classes and educational seminars to stay familiar with advancements in the industry. The City requires the preparation and submittal of "As-Built" plans of completed projects prior to final approval and acceptance of the project as a public infrastructure. The City also requires that all new sewers and sewer lines rehabilitated by cured-in-place lining be inspected by CCTV and the video record reviewed by City personnel prior to the acceptance of the completed project.

Emergency Spill Response Plan

The Emergency Spill Response Plan provides procedures for the systematic actions, documentation, and notifications related to a sewage spill.

Sewage Block Control Program

The Sewage Blockage Control Program provides a review of preventative maintenance, public outreach, inspection, enforcement of prohibitions, and source control related fats, oils and grease that may create a blockage and lead to a spill.

Vulnerable areas in the sewer system are cleaned regularly to prevent build-up that may lead to a blockage.

System Evaluation, Capacity Assurance and Capital Improvements

This section of the plan provides a basis for the evaluation of system capacity and performance, and the identification and prioritization of repairs and replacements.

Monitoring, Measurement and Program Modifications

This section of the plan provides procedures and methods to (1) evaluate the effectiveness of preventative maintenance, (2) update procedures and activities, and (3) review trends in implementation of the Sewer System Management Plan.

Internal Audits

The City uses a comprehensive checklist (see Appendix K) based on implementation of the General Order as it pertains to the City sewer system to determine compliance. The auditor will review the checklist as it correlates to the Sewer System Management Plan and mark each item as compliant or non-compliant. Any non-compliant items are either corrected or a recommendation is made to achieve compliance in the future.

Communication Program

The Sewer System Management Plan is a public document available on the City's website.

In the event of a spill that impacts public safety, the City has procedures for notifying the public via signage and local media outlets.

Wastewater collected in the City flows by gravity to the Los Angeles County system for treatment. The City works in coordination with the Los Angeles County Sanitation Districts on projects that may impact both systems.

Recommended Actions

Based on application of the Internal Audit Checklist (see Appendix L), he following actions are recommended to improve the Sewer System Management Plan.

Prepare Electronic Sanitary Sewer System Service Area Boundary Map

In accordance with Attachment D, Section 4.1, of the General Order, the City will prepare an up-to-date map of the sanitary sewer system, and procedures for maintaining and providing State and Regional Water Board staff access to the map. The map will show gravity line segments and manholes, and applicable stormwater conveyance facilities within the sewer system service area boundaries.

Adopt Updated Design Criteria and Construction Standards and Specifications

The City's design criteria and construction standards and specification are currently in draft form (see Appendix F). The City will finalize and adopt the criteria.

Equip First Responder Vehicles with Basic Spill Prevention Materials

The City will provide materials and training to first responders in basic spill prevention techniques. This will reduce the impact of a spill during the critical period between notification and the arrival of the sewer maintenance crew.

Develop Formal Procedures for Fats, Oils, and Grease (FOG) Inspection

The City uses a standardized form for FOG inspection. The City will develop formal procedures for completion of the standardized form.

Develop Formal Procedures for Building Plan Check

The City uses a standardized form for building plan check. The City will develop formal procedures for completion of the standardized form.

Develop Formal Procedures for Evaluation of New Restaurants

The City uses a standardized form for evaluation of new restaurants concerning FOG requirements. The City will develop formal procedures for completion of the standardized form.

Prepare an Updated Sewer Master Plan

Currently, sewer system capacity is determined on an as-needed basis with local flow monitoring. The sewer master plan will evaluate capacity for the entire sewer system through the use hydraulic modeling software and application of design criteria.

Verify Contact Information for Potentially Impacted Entities

This Sewer System Management Plan identifies entities potentially impacted by a spill. The City will develop formal procedures for verifying the accuracy of contact information on a periodic basis.

CHAPTER 1 – SEWER SYSTEM MANAGEMENT PLAN GOALS AND INTRODUCTION

This Sewer System Management Plan (SSMP) has been prepared in accordance with General Order (see Appendix E) and customized to the specific needs of the City's sanitary sewer system. By convention, statute defining the required elements of the SSMP as presented in Attachment D of the General Order are provided in boxed italic print following by the City's response to those requirements.

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:

The City's sanitary sewer system is a wastewater collection system that consists entirely of gravity pipes and manholes. Management, operation, and maintenance of the system focuses on these elements. Spill prevention consists of regular cleaning; attention to "hotspots"; source control of fats, oils, and grease; and replacement of aging infrastructure. Spill containment and mitigation consists of training, application of appropriate equipment, and communication with appropriate stakeholders.

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.

1.1.1 Operations and Maintenance Program

In support of their mission to the public, the City has developed goals for the operation and maintenance of its sewer system. These goals have also been adopted by the City's Public Works Maintenance Division as part of their routine Operations and Maintenance (O&M) Program, which includes the sewer system. The O&M Program outlines City responsibilities, allocates City staff to the Sewer Division work elements, and provides procedures and guidelines for maintenance and cleaning activities. The City's goals include:

- Minimize spills.
- Prevent public health hazards.
- Minimize inconvenience by responsibly handling interruptions in service.
- Protect the large investment in the collection systems by maintaining adequate capacities and extending useful life.
- Prevent unnecessary damage to public and private property.
- Use funds available for sewer operations and infrastructure renewal in the most efficient manner.
- Convey wastewater to County treatment facilities with a minimum amount of infiltration and inflow.
- Provide adequate capacity to convey peak flows during dry- and wet-weather conditions.

- Perform all operations in a safe manner to avoid personal injury and property damage.
- SSMP Implementation.

This SSMP supplements and supports the City's existing O&M program and established goals by providing consolidated guidelines and procedures for all aspects of the City's sewer system management. The SSMP contributes to the proper management of the collection system and assists the City in minimizing the frequency and impacts of spills by providing guidance for appropriate maintenance, capacity management, and emergency response.

1.1.2 SSMP Updates

The City's SSMP was previously updated in 2009. Details on future updates are provided in Section 1.2.

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.

The City prepares an SSMP Update every six (6) years. Intermediate updates will be made as needed when significant changes occur to one or more of the SSMP elements. The next SSMP Update submittal to the California Integrated Water Quality System (CIWQS) Sanitary Sewer System Database is scheduled for 2030.

The City prepares an Internal Audit every three (3) years. The 2024 Internal Audit is included in Appendix L. The next Internal Audit is scheduled for 2027.

The spill prevention training on the updated Spill Emergency Response Plan (SERP) was conducted in July 2023 (see Appendix M).

1.4 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 this Attachment.

The sewer system serves the City of Monterey Park with an estimated population just over 61,000 in 2020 per the US Census Bureau. The City is located in the western portion of the San Gabriel Valley in Los Angeles County. The City is generally bounded on the north by the San Bernardino (I-10) Freeway, on the west by the Long Beach (I-710) Freeway, on the south by the Pomona (CA-60) Freeway, and on the east by the City of Rosemead and an unincorporated portion of Los Angeles County (County) known as South San Gabriel. The City is surrounded by the cities of Alhambra, Montebello, Los Angeles, and Rosemead.

The sewer system serves City customers via 8,627 connections. The City's sanitary sewer system receives municipal wastewater generated from residential, commercial, and industrial customers. The wastewater is collected in trunk sewer pipelines and flows downstream to water reclamation plants operated by Los Angeles County Sanitation Districts (LACSD) for treatment and disposal.

The sewer system includes 126 miles of gravity pipelines, 2,498 manholes, and seven connections to the LACSD trunk lines. Pipelines range in size from 8 inches to 15 inches in diameter. Pipeline materials consist primarily of vitrified clay pipe (VCP), with some reinforced concrete pipe (RCP) and polyvinyl chloride (PVC) pipe.

The sewer system is owned and operated by the City of Monterey Park. The sewer service area boundary coincided with the City limits and does not present any unique conditions or challenges. The City manages the sewage flow generated from within the City limits. However, LACSD maintains several trunk sewers throughout the City. Two of these trunk sewers traverse diagonally across the City along the Atlantic Boulevard corridor (Loma Verde Avenue). Several neighborhoods along the alignment have their sewage handled directly by the County trunk sewers.

The City's stormwater system is independent of the sewer system and does not divert any stormwater flow to the sewer.

The City manages data related to the sewer system in three locations. Spatial data related to infrastructure, "hotspots", source control for blockages, and CCTV tracking are maintained in the City's Geographic Information System (GIS). Maintenance reports related to "hotspots" and source control for blockages are maintained in a dedicated folder on the City's server. Planning, engineering, management, procedural, and outreach documents are maintained on the City's website and are available for public use.

CHAPTER 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:

2.1 Legally Responsible Official

The name of the Legally Responsible Official as required in Section 5.1 (Designation of a Legally Responsible Official) of this General Order;

The City's authorized representative in all wastewater collection system matters is the Public Works Director. The Public Works Director is authorized to certify and submit (1) electronic reports on spills, (2) updates to the SSMP, and (3) Internal Audits. The Assistant City Engineer is authorized to act in these duties in the Public Works Director's absence.

2.2 Organizational Lines of Authority

Organizational lines of authority; and

Organizational lines of authority for implementation of the SSMP are shown in Figure 2-1.

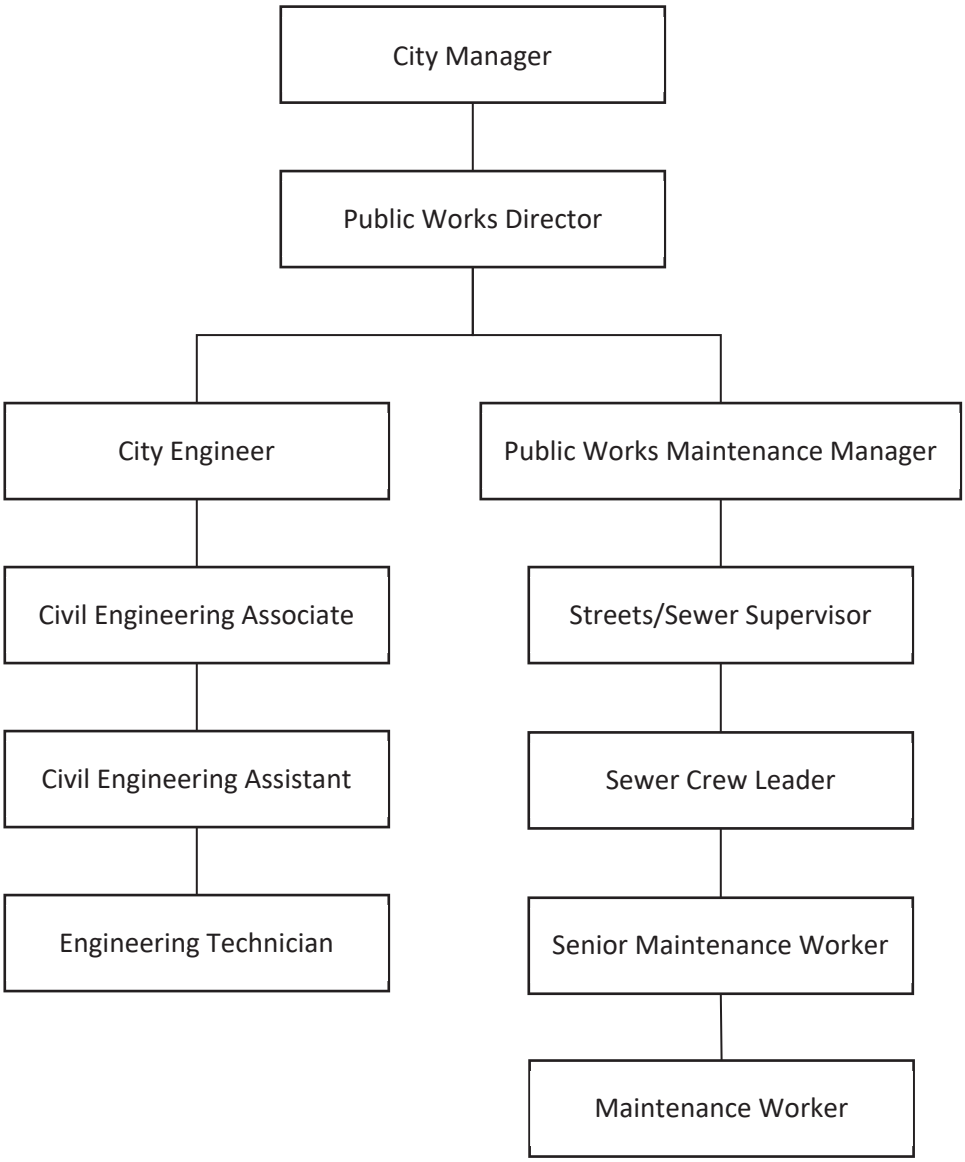


Figure 2-1 Organizational Lines of Authority

These positions are described in more detail on the following pages.

2.3 Positions Responsible for SSMP Implementation

The position titles, telephone numbers, and email addresses for management, administrative, and maintenance positions responsible for implementing specific Sewer System Management Plan elements.

Responsible positions for SSMP implementation are presented below as position descriptions. Identification and contact information for individuals who hold these positions are available through the Public Works Director upon request from an appropriate authority.

2.3.1 Position Descriptions

City Manager: Under an initiative adopted by the citizens of Monterey Park in 1948, the City Manager serves as the Chief Executive Officer of the City under the direction of the City Council, and also serves as the Executive Director of the Community Redevelopment Agency. In this capacity, the City Manager provides overall direction and coordination of City operations and community redevelopment projects; continuously monitors and evaluates services and programming to ensure their relevance with community needs; oversees an aggressive program of resource development that results in measurable increases in the productivity of City operations each year, procures available grant funds to achieve special projects, and promotes new commercial and industrial development that expands the economic base of the City.

Public Works Director: Plans, organizes, directs and supervises the public works activities of the City. Advises the City Council and Planning Commission on engineering and public works matters, including those related to the sewer system. Prepares and controls department budget. Reviews project plans and specifications for public works projects and Coordinates with engineering consultants and officials from other public works departments.

City Engineer: Works under the broad policy guidance and direction of the Public Works Director. Works to improve efficiency and effectiveness of operations. Assists the Public Works Director in the development of department plans and programs, including sewer operations and the Capital Improvement Program. Performs technical engineering planning studies. Supervises the review of private project development plans for compliance with codes, regulations, and standards, adequacy of applications for permits and compliance with approved plans.

Civil Engineering Associate and **Civil Engineering Assistant:** Acts as project manager on public works projects, including sewer projects. Prepares plans, specifications, and preliminary cost estimates. Coordinates and confers with the maintenance department on sewer system issues. Coordinates with contractors, consultants, and the public on engineering and construction matters. Prepares reports on sewer and other public works projects.

Engineering Technician: Under general supervision, performs a wide variety of complex clerical and paraprofessional public works functions including assisting with and monitoring the departmental budget; processes reports; compiles and types statistical data, technical reports and charts; prepares, processes, and monitors purchase orders, warrants and other payments; relieves department head of minor administrative matters; provides authorized information covering a variety of questions, requests or complaints; conducts surveys; prepares minor reports; composes routine correspondence; maintains files, records and schedules; and may attend meetings as required.

Public Works Maintenance Manager: Plans, organizes, and supervises the maintenance and repair of City public works infrastructure, including sewers. Manages the Municipal Service Center. Reviews plans and specifications for sewer and other projects, and makes recommendations regarding maintenance, construction, and operations aspects. Controls budget expenditures within the Maintenance Division. Coordinates with contractors, engineers, and members of the general public on construction and maintenance problems and procedures.

Streets/Sewer Maintenance Supervisor: Supervises sewer maintenance workers. Schedules work assignments. Maintains records of projects assigned and completed, supplies and equipment used, and costs incurred. Investigates sewer-related complaints from the general public. Estimates needed equipment and equipment maintenance.

Sewer Crew Leader: Supervises and assists in the cleaning and repair of sewer mains and lines and the locating and raising of manholes. Lays out and schedules work for crew. Trains crew members in specific tasks, as needed, including collection system preventive maintenance and spill response. Checks work of assigned crew.

Senior Maintenance Worker: Works as a member of a field maintenance crew. Cleans, unplugs, and repairs sewer lines. Locates and raises manholes. Operates power equipment including hydraulic cleaning truck and hydro-jet.

Maintenance Worker: Assists field maintenance crew. Cleans, unplugs, and repairs sewer lines. Locates and raises manholes. Operates power equipment including hydraulic cleaning truck and hydro-jet.

Sewer Crew Leader and Senior Maintenance Workers: Make up a single sewer cleaning and initial responder team. The team is responsible for the City's focused 30-, 60-, and 90-day cleaning cycles.

2.3.2 Authority and Responsibility

The City Manager is authorized to enforce City ordinances.

The Public Works Director is responsible for implementing and maintaining all elements of the SSMP.

All other responsible positions are under the authority of the Public Works Director.

2.4 Chain of Communication for Reporting Spills

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.)

The chain of communication starts with the observation of a spill and ends with reporting by the Public Works Director, as shown in Figure 2-2. Additional detail is provided in Chapter 6 (Spill Response Plan).

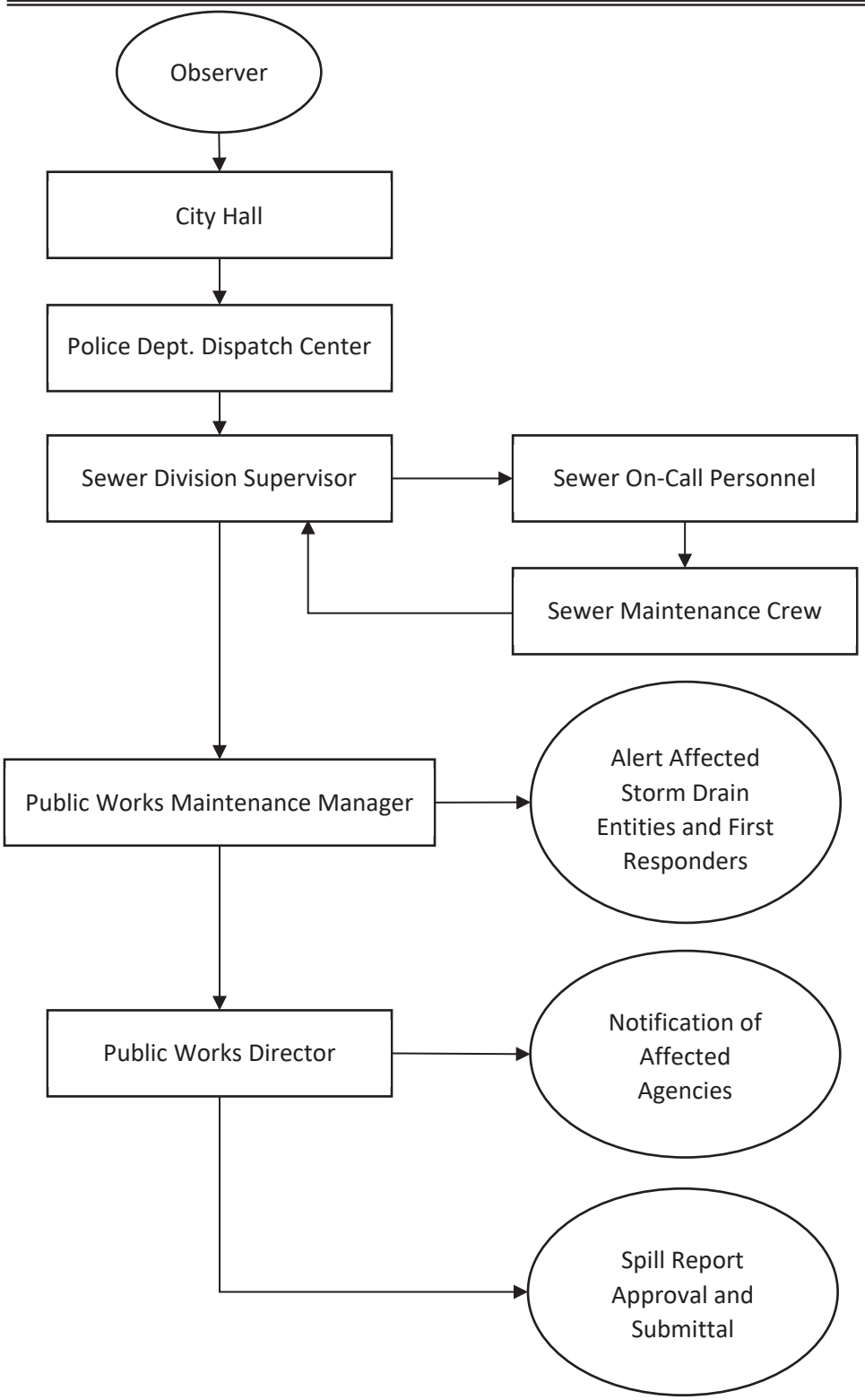


Figure 2-2 Spill Chain of Communication

CHAPTER 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:

The legal authority for meeting specific requirements stipulated in the Waste Discharge Requirements are covered in Chapters 14.04, 14.06 and 16.14 of Monterey Park Municipal Code, the California Plumbing Code (2019 Edition), and the Los Angeles County Code (LACO) Title 20 (Utilities) Division 2 (Sanitary Sewers and Industrial Waste).

LACO Title 20, Division 2 was adopted as amended in full force and effect on July 27, 1989, in Chapter 14.04 of the Monterey Park Municipal Code.

The California Plumbing Code, 2019 Edition, was adopted in Chapter 16.14 of the Monterey Park Municipal Code.

The appropriate sections of the codes regarding the City's legal authority to prevent illicit discharge into the sewer system; assurances that the sewer and connections are properly designed; appropriate access for maintenance, inspection, or repairs; limitations on the discharge of FOG and other debris that may cause blockage; and enforcement of any violation of sewer ordinances are discussed in the following subsections.

3.1 Prevention of Illicit Discharges

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;

The City has adopted the California Plumbing Code (2019 Edition) as its plumbing code, and the 1989 Edition of the LACO Title 20, Division 2, as its Sanitary Sewer and Industrial Waste Use Ordinance.

The California Plumbing Code prohibits the unauthorized discharge of rain, surface, or subsurface water into the collection system. The illegal dumping of offensive or damaging substances such as chemicals, debris, etc., which are considered inflows, are prohibited by the LACO Code, Section 20.36.010. LACO Code, Section 20.34.050 prohibits illicit discharges into the sanitary sewer system. The LACO Code, Section 20.24.080 requires that property owners be responsible for maintenance of their house lateral, including the elimination of cracks, tree roots, and other debris.

3.2 Storm Sewer Agency Coordination

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;

There are no storm sewer agencies in the vicinity.

3.3 Design and Construction Oversight

Require that sewer system components and connections be properly designed and constructed;

The LACO Code Sections 20.32.330 and 20.32.340 as adopted by the City require that the design of new mainline sewers and pumping plants, respectively, be in conformity with requirements of Part 3 of Chapter 20.32 of the Code. Section 20.32.350 of the LACO Code requires that the design of new house laterals conform to the requirements of Part 3, Chapter 20.32 of the Code. The materials and construction of a collection sewer system (LACO Code 20.32.580), is required to conform to all the requirements prescribed by Division 2 of the LACO Code, by the Standard Specifications for Public Works Construction (Green Book) and by the Special Provisions and Standard Plans, all on file in the office of the County or City Engineer. The inspection and construction of mainline sewers is covered under Section 20.32.590 of the LACO Code, unless otherwise covered by the California Plumbing Code.

3.4 Access for Maintenance, Inspection, and Repair

Ensure access for maintenance, inspection, and/or repairs for portions of the service lateral owned and/or operated by the Enrollee;

Title 20, Division 2, of the LACO gives the County Department of Public Works (LACDPW) the legal right to set requirements that allow unrestricted maintenance access to the public sewer infrastructure. This access is secured through the LACDPW's unwavering enforcement of the requirement for sewer easements around all public sewer appurtenances located in private properties. These easements are detailed by the designer on the sewer construction plans and are reviewed through an iterative plan check process. Plan checkers take special care to ensure that maintenance crews will have room for access and equipment usage for both routine maintenance, replacement or repair construction, as necessary. The Title 20 requirements to provide easements free of obstruction are also reiterated on all sewer plans.

3.5 Enforcement

Enforce any violation of its sewer ordinances, service agreements, or other legally binding procedures; and

City Municipal Code 14.04.140 (Violation—Penalty) delineates the City's authority to enforce violations of the sewer ordinance.

3.6 Acquisition of Easements

Obtain easement accessibility agreements for locations requiring sewer system operations and maintenance, as applicable.

City Municipal Code 20.22.180 (Utility Easements) delineates the City's authority to acquire and access easements for underground utilities.

CHAPTER 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.

4.1.1 Sanitary Sewer System Map

The City maintains a map of the sewer system in its GIS. The map includes gravity pipeline and manholes, which represents the extent of the City's sewer system.

4.1.2 Access to Sanitary Sewer System Map

The City will provide access of its GIS map to the State Water Resources Control Board (SWRCB) by the December 31, 2025, deadline.

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 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.

The City's sewer crew cleans all of the City sewer lines once a year. In areas known to accumulate excessive grease deposits, the sewer lines are cleaned more frequently. The City staff uses a specialized piece of equipment that utilizes high-pressure water to clean the sewer lines.

The City's sewer lines are constantly monitored and evaluated to determine if additional cleaning or repairs are warranted.

Specific preventive maintenance service provided by City includes:

- Inspect and hydro-jet all main lines annually to ensure proper functioning of the collection system.
- Minimize stoppages by hydro-jetting main line sewers that have minimum grade, tree root infestation, or are known to accumulate large grease deposits. These lines are cleaned on 2-week, 6-week, 3-month, or 6-month intervals.
- Respond to all sewer problems within 30 minutes during working hours and within 60 minutes during after-hours.
- Oversee the implementation of the pipeline and manhole improvements identified by inspection.
- Spray manholes for insect control at a rate of the entire system biannually.

Public Works has an aggressive program to prevent blockages and backups of the sewer system. High grease areas require strict conformance to the California Plumbing Code, the addition of grease interceptors where they do not currently exist and increased inspections. A majority of the locations on the "hotspot" lists are caused by grease build-up from restaurants. The City maintains a source control program to ensure grease interceptors are clean and in working order.

The City operations staff currently has a satisfactory process in dealing with root infiltration. Their first step is to CCTV video record each of the sewer main locations affected by the tree roots to understand the severity of the problem, both in terms of length of sewer main affected and root density. The problem can then be mitigated by determining whether to reline the sewer main segments affected by the root infiltration or by placing them on the "hotspots" list for periodic jetting.

The City records CCTV footage of the entire sewer system on a 5-year cycle. Streets designated for resurfacing have a higher priority for CCTV inspection. Repairs in streets designated for resurfacing are made in advance of the City's paving moratorium. "Hotspots" are reviewed more frequently. CCTV inspection is the primary source of information used for identifying and prioritizing pipeline repair and rehabilitation.

Manholes are inspected on a 5-year cycle by a City operator with NASSCO certification. Manhole inspection is the primary source of information used for identifying and prioritizing manhole repair and rehabilitation.

An additional maintenance problem encountered by the City is a low flow main intersecting a high flow main at a manhole. The high turbulent flow acts as a barrier to the low flow, causing the low flow to backup and cause a sediment blockage. There are only three locations throughout the City where this situation occurs. These locations are also currently being jetted on a periodic basis.

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 this 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.*

Sewer Crew personnel are trained on the proper use of the Combination Truck sewer jetting equipment. This training reduces the response time to set up and operate the equipment for sewer stoppages and spills. Additional training is provided during the year to refresh Sewer Crew personnel on the operation of the equipment.

Training on implementation of the SERP took place in July 2023 (see Appendix M). This training included compliance with the General Order, and procedures and drills for spill containment, mitigation, and reporting.

4.4 Equipment Inventory

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

The City's operations staffs have the following equipment to support their sewer system maintenance operations:

- Hydro Jetting Truck.
- Mobile Easement Hydrometer.
- Dedicated Sanitation Service Truck.
- Supplemental dedicated Sewer Jetting Equipment.

The City replaces hoses every year. The pumps on the trucks are taken to a workshop where they are repaired, rebuilt, or replaced as needed. An additional part that is commonly replaced is the hose swivel joint, which the City stocks in inventory.

CHAPTER 5 – DESIGN AND PERFORMANCE PROVISIONS

The Plan must include the following items as appropriate and applicable to the Enrollee's system:

The City's sewer system is limited to gravity pipelines and manholes. The standards below focus on these assets.

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 section 8 (System Evaluation, Capacity Assurance and Capital Improvements) of this Attachment, the procedures must include component-specific evaluation of the design criteria.

The City is in the process of updating its sanitary sewer design standards and plans, which are currently in draft form (see Appendix F). The draft standards are consistent with those published by the Los Angeles County Department of Public Works (Title 20 - Utilities) and cover the following topics:

- CCTV Inspection.
- Design Standards.
- Dedication of sewers.
- Plan Preparation by a Registered Civil Engineer.
- Sewer Easement Requirements.
- Main-line sewers--Size specifications.
- Main-line sewers--Minimum velocity.
- Benchmarks and elevations.
- Soil conditions.
- Grades.
- Main-line sewers--Alignment and location in street.
- Main-line sewers--Depth.
- House laterals--Depth.
- End structures--Location specifications.
- Manhole structures.
- Substructures.
- Pipe materials--Approval required.
- Vitrified clay pipe--Installation specifications.
- Sewer plan submittal requirements.

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.

The City inspects the installation of all new and rehabilitated sewer collection pipelines and manholes. The City's Public Works inspectors are experienced in pipeline construction. They attend training classes and educational seminars to stay familiar with advancements in the industry. The inspectors are also provided with adequate materials to perform their inspections, including the Standard Specification for Public Works Construction Inspection Manual, the Green Book, etc. The City requires the preparation and submittal of "As-Built" plans of completed projects prior to final approval and acceptance of the project as a public infrastructure. The City also requires that all new sewers and sewer lines rehabilitated by cured-in-place lining be inspected by CCTV and the video record reviewed by City's personnel prior to the acceptance of the completed project.

CHAPTER 6 – SPILL EMERGENCY RESPONSE PLAN (SERP)

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:

6.1 Notification per the General Order

Comply with the notification, monitoring and reporting requirements of this General Order, State law and regulations, and applicable Regional Water Board Orders;

Proper notification procedures are included in the SERP, so that the primary responders, affected entities, and regulatory agencies are informed of spills in a timely manner.

6.1.1 Initial Response

The SERP procedures for First Responder developed by the City are as follows:

- Upon arrival, the On-Call Sewer Personnel will:
  - Assess the site conditions.
  - Record the date and time of the observed spill.
  - Call additional personnel, if necessary.
  - Call the Police Department if traffic control is needed.
- If sewage is overflowing out of a manhole, the On-Call Sewer Personnel will use a pump to move the sewage from the overflowing manhole to a downstream manhole to reduce spillage onto the street or into a storm drain.
- If sewage is entering a storm drain, the On-Call Sewer Personnel will:
  - Isolate, contain and dike the spill to prevent ingress into the storm drain.
  - Identify and call affected storm drain entities.
- If sewage is entering private property, the On-Call Sewer Personnel will:
  - Jet the line to remove the blockage.
  - Call the Public Works Maintenance Supervisor, and the Public Works Maintenance Manager.

6.1.2 Procedures to Address Sewer Blockage

Procedures developed by the City to address sewer blockages are as follows:

- Upon arrival, assess the site conditions and secure the area so that vehicles and foot traffic do not enter the work area or any contaminated areas.
- Start the documentation on the Draft Spill Report.
- If no sewage is visible, check the main line sewer to determine if the blockage has occurred in the main line or on private property.
- If the blockage is in the main line, take appropriate action to eliminate the stoppage.
- If sewage is running out of the manhole:
    - Use the Combination Truck to remove sewage to prevent it from entering the storm water catch basin or construct a dam to prevent it from entering the storm water drainage system.
    - Set up a trash pump at the manhole upstream from the blockage and run a hose to the manhole downstream from the blockage to prevent a spill.
    - Once the trash pump has been set up, use the Combination Truck to eliminate the blockage.
- If the blockage is on private property, inform the resident or property owner.
- If the blockage is on the private property of a restaurant, such as a grease interceptor, call Code Enforcement to shut down all water usage.
- If there is any damage to private property (such as a release into a residence) call the Sanitation Supervisor and the Maintenance Manager immediately. Document the incident on the Draft Spill Report and take pictures of the damage, if possible.

6.1.3 Internal Notification

Following a spill, preparation of a Draft Spill Report will be assigned to a SERP Coordinator. The City utilizes a comprehensive spill reporting template to gather pertinent information following a spill. Data gathering, observations, and spill volume estimates are consistent with monitoring and reporting requirements defined in the General Order. The spill reporting template is provided in Appendix G.

6.1.4 Public Notification

The Public Works Director is responsible for ensuring that the general public is notified of a spill. Potential public notification measures include temporary signage to indicate any polluted surface water or groundwater due to a spill and notification through media outlets. The Public Works Maintenance Manager is responsible for determining whether temporary signage should be posted and if further notifications are necessary. The City Manager's Office is the contact entity for all media notification.

6.1.5 Regulatory Agency Notification

Per Water Code Section 13271, for a spill 1,000 gallons or greater that discharges to any waters of the State, the City will notify the California Office of Emergency Services (OES) via the CIWQS or by phone at (800) 852-7550 and obtain an OES Control Number as soon as possible.

6.1.6 Notification of Health and Safety Entities

Notify primary responders, appropriate local officials, and appropriate regulatory agencies of a spill in a timely manner;

In the event a spill impacts public health and safety, alerts and notifications will be made. If the On-Call Sewer Personnel determines that there is an immediate threat to public health and safety, appropriate entities will be alerted. If no threat to public health and safety is imminent, the Public Works Director will notify appropriate entities in due course. Contact information for local public health and safety entities is provided in Table 6-1.

Table 6-1 Public Health and Safety Entities

Entity	Phone Number
Los Angeles County Department of Public Health, Environmental Health Division	(888) 700-9995
City of Monterey Park, Fire Department	(626) 573-1333
City of Monterey Park, Police Department, Traffic Bureau	(626) 307-1240

6.1.7 Notification of Affected Entities

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;

Following a spill, a standard notification report is generated from the comprehensive spill reporting template discussed in Section 6.5. The notification is then issued to affected entities by the Public Works Director.

6.1.7.1 Strom Drain Entities

In the event the spill enters a storm drain, the On-Call Sewer Personnel will identify and alert the affected storm drain entity. The most likely affected entity will be the City of Monterey Park and communication will be handled internally. However, the sewer service area borders seven other potentially affected storm drain entities. Based on the location and extent of the spill, the On-Call Sewer Personnel will determine whether an impact has occurred and proceed with alerting the affected entity. Contact information for potentially affected storm drain entities is provided in Table 6-2.

Table 6-2 Potentially Affected Storm Drain Entities

Entity	Phone Number
City of Alhambra, Public Works Department	(626) 570-5067
City of Rosemead, Public Works Department	(626) 569-2150
City of El Monte, Public Works Department	(626) 580-2058
City of Montebello, Public Works Department	(323) 887-1460
City of East Los Angeles, Public Works Department	(323) 881-7030
City of Los Angeles, Public Works Department	(213) 473-3231
Los Angeles County, Public Works Department	(626) 458-5100

6.1.7.2 Groundwater Entities

In the event a spill is not contained by an impervious surface, wastewater may impact groundwater via infiltration. The City overlies two groundwater basins: Main San Gabriel Basin and Central Basin. These basins are not alluvial formations, and there is no connection between local surface water and groundwater in the vicinity of the City. However, other groundwater assets may be impacted, such as wells and infiltration basins. If the On-Call Sewer Personnel determines that groundwater has been impacted, the Public Works Director will identify the potentially impacted groundwater assets and notify the appropriate groundwater management entity. Contact information for potentially affected groundwater entities is provided in Table 6-3.

Table 6-3 Potentially Affected Groundwater Entities

Entity	Basin	Phone Number
Main San Gabriel Basin Watermaster	Main San Gabriel Basin	(626) 815-1300
Water Replenishment District of Southern California	Central Basin	(562) 275-4300

6.2 Training

Ensure that appropriate staff and contractors implement the Spill Emergency Response Plan and are appropriately trained;

Staff receive regular training on implementation of the SERP. The most recent training session related to the updated SERP took place in July 2023. In addition to the City's Public Works staff, the Emergency Overflow Response Plan specifies additional departments and staff that should receive training based on their roles as first responders.

The City implements quarterly training for personnel responsible for spill reporting in the use of the Combination Truck. The Senior Maintenance personnel receive yearly training in all aspects of the equipment they operate, as well as other necessary training required to keep them current. The operations and maintenance staff are trained in Confined Space entry to ensure they are aware of the hazards associated with carbon dioxide, hydrogen sulfide, and other poisonous gases from the sewer system that can potentially be lethal. The most recent Confined Space training session took place in July 2023.

6.3 Spill Containment

Contain a spill;

The City On-Call Sewer Personnel are properly trained on methods and procedures for spill containment. Some of the methods include the use of sandbags to contain spills, absorbent socks and vinyl liner material to prevent discharges into storm drain catch basins, and the use of vacuum trucks to remove contained spills for proper disposal at other locations within the system.

6.4 Discharge Prevention

Prevent/minimize discharge to waters of the State or any drainage conveyance system;

The City's sewer system is limited to gravity pipelines and manholes. The City is essentially built-out. Master Planning has determined there are no capacity constraints in the system. Consequently, the goal of discharge prevention is a well-maintained sewer system accomplished through inspection, cleaning, FOG source control, and repair and replacement of aging substructure.

Manhole Inspection: Manholes are inspected on a 5-year cycle by a NASSCO certified inspector.

CCTV Inspection: Pipelines are inspected via CCTV on a 5-year cycle with additional attention paid to known "hotspots".

Cleaning: The entire system is cleaned annually.

FOG Source Control: The City has an aggressive FOG source control program to assure grease interceptors are clean and operating as designed.

Capital Planning: The City has dedicated capital funding available for pipeline and manhole repair and replacement. Capital projects are identified and prioritized based on the results of the above activities.

6.5 Remediation of Public Health Impacts

Minimize and remediate public health impacts and adverse impacts on beneficial uses of waters of the State;

The City On-Call Sewer Personnel are properly trained on methods and procedures to prevent or limit the amount of a spill that may be released into waters of the United States. Some of the methods include the use of sandbags to contain spills, absorbent socks to prevent discharges into storm drain catch basins, and the use of vacuum trucks to remove contained spills for proper disposal at other locations within the system.

There are several waters of the state that may be indirectly impacted by a spill, and the City will make every effort to coordinate with local agencies to minimize and remediate possible public health impacts.

Two of the waters of the state are local groundwater basin that underlie the City: Main San Gabriel Basin and Central Basin. In the event of a spill that may impact these basins, the SERP Coordinator will notify the overseeing entities, as provided in Table 6-3.

Other waters of the state in the vicinity include the San Gabriel River, San Jose Creek, Rio Hondo, and a series of lakes in the Whittier Narrows Recreation Area. These water bodies are outside of the City's sewer service area and would only be impacted by a large spill entering a storm drain under the jurisdiction of a neighboring agency. In the event of a spill entering a storm drain that flows beyond the City limits, On-Call Sewer Personnel responding to the spill will immediately alert the affect entities, as provided in Table 6-2, and begin coordination to minimize and remediate any potential health impacts.

6.6 Sewage Removal from Storm Drain

Remove sewage from the drainage conveyance system;

General procedures to remove sewage from a storm drain using a vacuum truck:

1. Park the truck as close to the storm drain as possible.
2. Clear the site of people and obstacles and inspect for any hazards that could obstruct operations.
3. Secure the truck in its parked position using wheel chocks or another stabilizing method.
4. Connect the vacuum hose to the tank and lay it out until it reaches the spill. Inspect the hose to make sure it's in good condition and that its connections will lock properly.
5. If necessary, uncover the storm drain by removing any access covers.
6. Turn on the pump engine.
7. Increase the vacuum's suction level by keeping its valve closed, lower the suction end into the area to be emptied, then open the valve once it's reached optimal suction levels.
8. Occasionally closing the valve throughout the process can help rebuild the vacuum's suction strength.
9. Simultaneously water the area and vacuum the spill to efficiently remove waste from the spot in need of cleaning.
10. When sewage removal is complete using the vacuum truck, secure the tank lid and carefully pack away the hoses.

6.7 Spill Area Clean Up

Clean the spill area and drainage conveyance system in a manner that does not inadvertently impact beneficial uses in the receiving waters;

General procedures for spill area clean up:

Stop/Contain the Discharge If safe to do so, contain the material so that the area impacted is minimized. Perform an assessment of the area where the spill occurred and the downstream area that it could impact.

Initiate Spill Cleanup Procedures When a spill has the potential for entering a storm drain, responders will utilize storm water management controls and techniques to contain the spill. The following may be used:

- Containment:
  - Placing vinyl sheet, vinyl liner material, or other impervious mats over storm drain inlets.
  - Creating barriers around inlets.
  - Creating diversions or swales away from inlets.
  - Deploying absorbent booms or pads or other spill control means to prevent spills from entering storm systems.
- Small spills:
  - Use a rag, damp cloth or absorbent materials for general cleanup of liquids.
  - Use brooms or shovels for the general cleanup of dry materials.
  - If water is used, it must be collected and properly disposed of.
  - Dispose of any waste materials properly.
  - Dispose of any equipment used to clean-up the spill properly.
- Large spills:
  - Use absorbent materials for general cleanup of liquids.
  - Use brooms, shovels or backhoe for the general cleanup of dry materials.
  - If water is used, it must be collected and properly disposed of.
  - Dispose of any waste materials properly.
  - Dispose of any equipment used to clean-up the spill properly.

6.8 Methods to Expedite Spill Containment and Recovery

Implement technologies, practices, equipment, and interagency coordination to expedite spill containment and recovery;

On-Call Sewer Personnel are certified operators trained in emergency response.

Equipment is sufficient for typical spills and maintained regularly.

On-Call Sewer Personnel alert affected health, safety, and storm drain entities upon determination of impacts to begin interagency coordination.

6.9 Coordination with Storm Drain Agencies

Implement pre-planned coordination and collaboration with storm drain agencies and other utility agencies/departments prior, during, and after a spill event;

The City has identified potentially affected storm drain entities. In the event a spill enters a storm drain, the On-Call Sewer Personnel will identify and alert the affected storm drain entity. For affected storm drain entities outside the City's sewer service area, the alert will initiate pre-planned coordination and collaboration based on the location, timing, and estimated volume of the spill. These efforts will include clean-up, reporting, and monitoring. See Table 6-2 for a list of potentially affected storm drain entities.

6.10 Post-Spill Assessment

Conduct post-spill assessments of spill response activities;

Following submittal of a Spill Report to the CIWQS, the Public Works Director will evaluate the City's response to the spill event and note any opportunities for improvement.

6.11 Spill Event Documentation

Document and report spill events as required in this General Order; and

6.11.1 Description of Spill Categories

In the event of a spill, the Sewer Maintenance Crew will identify the spill category and take appropriate action on that basis. Following are descriptions of each spill category.

Category 1

There are two possible conditions for a Category 1 Spill:

- A discharge to surface water.
- A discharge to a drainage conveyance that discharges to surface water, unless fully captured and disposed of.

Category 2

A Category 2 Spill is a spill of 1,000 gallons or greater that does not discharge to surface water.

Category 3

A Category 3 Spill is a spill greater than or equal to 50 gallons and less than 1,000 gallons, that does not discharge to surface water.

Category 4

A Category 4 Spill is a spill less than 50 gallons, that does not discharge to surface water.

6.11.2 Methods for Estimating Spill Volume

Methods for estimating spill volume are covered in detail in Appendix H. Since the City's sewer system consists of only gravity pipelines and manholes, two basic methods are used to assist in identifying the category.

6.11.2.1 Visual or Eyeball Method

A spills less than 50 gallons can be estimated using an "eyeball estimate." To use this method, imagine the amount of water that would spill from a barrel. A barrel contains just over 50 gallons when full. If the spill appears to be less the volume of a barrel, it may be designated as a Category 4 Spill provided it did not discharge to surface water.

6.11.2.2 Measured Volume

For a small contained spill, the volume may be measured as the impacted area times the average depth.

6.11.2.3 Duration and Flow

For spills that are not contained, the preferred method is to estimate the duration of the spill and multiply it by the estimated average flow rate of the spill.

The duration is the difference between the start time and stop time of the spill. The start time may be difficult to determine precisely but is likely to have occurred some time before notification by the spill observer. The stop time is the time that wastewater stopped overflowing.

The flow rate will depend on the characteristics and observations of flow at the manhole. A spill may occur through the pick and vent holes in the manhole cover, at the edge of the manhole ring, through a

partially open manhole cover, or through an open manhole. Tables and graphics for observed flows will assist in assigning an appropriate average flow rate to the spill.

6.11.3 Spill Report

A Draft Spill Report will be prepared by a SERP Coordinator assigned to the subject spill. The Spill Report will be reviewed, certified and submitted to CIWQS by the Public Works Director. See Appendix G for procedures on preparation of the Spill Report. A Category 1 Spill Report will include at a minimum the following information:

- OES Control Number.
- Name and phone number of the person notifying OES.
- Estimated spill volume in gallons.
- Estimated spill rate from the system in gallons per minute.
- Estimated discharge rate in gallons per minute for spills entering directly into waters of the State or indirectly into a drainage conveyance system.
- Spill incident description:
  - Brief narrative of the spill event.
  - Spill incident location.
- Name and phone number of responding On-Call Sewer Personnel.
- Date and time the City was informed of the spill event.
- Name of sanitary sewer system causing the spill.
- Spill cause, if known.
- Amount of spill contained.
- Name of water body receiving discharge.
- Description of water body impact to beneficial uses.

6.12 Annual Review and Assessment

Annually, review and assess effectiveness of the Spill Emergency Response Plan, and update the Plan as needed.

On an annual basis, the City will:

- Update the sewer system map in GIS.
- Provide SERP training.
- Conduct and review annual Spill Reporting.
- Update impacted sections of the SERP, if warranted.

CHAPTER 7 – SEWER BLOCKAGE CONTROL PROGRAM (SBCP)

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:

7.1 Public Education and Outreach

An implementation plan and schedule for a public education and outreach program that promotes proper disposal of pipe-blocking substances;

The City currently benefits from the LACDPW Public Education Outreach Program. Under this program, information on proper disposal of FOG and associated prevention measures is disseminated through publication of an Annual Report, brochures, articles in the County's newsletters, public presentations, and individual notices to property owners.

The LACDPW and the City utilize personal contacts with home and business owners by field crews and Industrial Waste Inspectors as outreach.

7.2 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;

On-Call Sewer Personnel will remove pipe blocking substances and direct them to a downstream manhole.

7.3 Prohibitions

LACO 20.36.400 prohibits the deposit of certain substances in the sewer, as follows:

- Any dead animal, offal or garbage, fish, fruit or vegetable waste, or other solid matters, materials or obstructions of any kind which clogs, obstructs or fills the sewer, or which interferes with or prevents the effective use or operation of the sewer.
- Any water or sewage, or liquid waste of any kind containing chemicals, fats, greases, oils, tars or other matters in solution or suspension, which clogs, obstructs or fills the sewer, or which in any way damages or interferes with or prevents the effective use of the sewer, or which necessitates or requires frequent repair, cleaning out or flushing of the sewer to render it operative.

- Any discharge or effluent which obstructs or causes an unwarranted increase in the cost of treatment of the sewage, or which introduces into a publicly owned treatment works (POTW) any pollutant which creates a fire or explosive hazard in the sewer or POTW, pollutants which will cause corrosive structural damage to the POTW, but in no case discharges with a pH lower than specified in LACO Section 20.36.420, pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW, or which introduce into a POTW any pollutant which causes pass through or interference.
- Stormwater runoff.

7.4 Prevention

The legal authority to prohibit discharges to the system and identify measures to prevent spills and blockages;

The California Plumbing Code and LACO Title 20 gives the City the legal authority to limit the discharge of FOG and other debris that may cause blockage as required by the Waste Discharge Requirements (WDR).

Preventative maintenance includes pipeline cleaning, inspection and cleaning of grease interceptors, and improvements to manholes and pipelines.

7.5 Requirements for Grease Removal Devices

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;

The California Plumbing Code requires the installation of grease interceptors at restaurants and other food establishments that generate grease. LACO Section 20.36.385 requires wastewater originating from food service establishments with fixtures or equipment which may contain FOG to be drained into the sanitary waste system through a FOG disposal system approved by the City.

LACO Section 20.36.595 requires each FOG disposal system to be installed at a location shown on plans approved by the City and Health Officer and in full compliance with the plumbing code. Such systems shall be located in an area that is at all times easily accessible for inspection, cleaning, maintenance, and removal of the recovered FOG in a manner that does not require entry into a food or utensil handling area.

A draft design standard for grease interceptors is cited in Chapter 5. Until the draft design standard is adopted, the Los Angeles County standard applies, as provided in Appendix I.

The City maintains records of grease removal device inspections.

7.6 Inspection and Enforcement

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;

The LACDPW is responsible for issuing the Industrial Waste Permits in the City under Los Angeles County Code, Title 20, Utilities, Division 2, Sanitary Sewers and Industrial Waste. Below is a summary of sections from the Industrial Waste Control Ordinance and the Board of Public Works' Rules and Regulations pertaining to the County's FOG Control Program.

- All food service establishments (FSE) that discharge grease will be required to obtain an industrial wastewater permit. Associated application and inspection fees are set by LACDPW.
- All food service establishments will be required to use best management practices (BMPs) to reduce the grease discharged to the sewer system.
- The use of garbage grinders in food service establishments is prohibited, unless specifically allowed.
- Any FSE that is known to cause grease-related sewage spills or fails to implement BMPs will be required to install a grease interceptor or a grease trap.
- All new construction of FSEs must include the installation of a grease interceptor.
- Existing FSEs planning a remodel may be required to include the installation of a grease interceptor. The current remodel value threshold requiring installation of a grease interceptor is set at $100,000 and may be adjusted in the future at the discretion of LACPWD.
- Exemptions, conditional waivers or variances will be available to the FSEs that do not generate grease or have very limited space in their property such that installation of a grease interceptor is unfeasible.

The City has the authority to set and enforce standards for grease interceptors. Local enforcement includes written notification of violations and holding the permittee responsible for corrective actions. The City has authority to inspect FOG producing facilities for compliance with Los Angeles County's FOG control requirements. The City has implemented a routine FOG inspection and enforcement program.

7.7 Areas Subject to Blockage

An identification of sanitary sewer system sections subject to fats, oils, and grease blockages and establishment of a cleaning schedule for each section; and

The City has mapped areas vulnerable to blockage due to accumulation of fats, oils, and grease. These areas are downstream of restaurants. The City has developed a focused 30-, 60-, and 90-day cleaning cycle to reduce the impact of blockages. A team consisting of the Sewer Crew Leader and the Senior Maintenance Workers is responsible for overseeing and implementing the cleaning schedule.

7.8 Source Control Measures

Implementation of source control measures for all sources of fats, oils, and grease reaching the sanitary sewer system for each section identified above.

The City has mapped the restaurants that could contribute fats, oils, and grease to the collection system and inspects grease interceptors regularly to assure they are clean and in working order.

CHAPTER 8 – SYSTEM EVALUATION, CAPACITY ASSURANCE AND CAPITAL IMPROVEMENTS (SECAP)

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.*

The City's sewer master plan was updated in 2014. A small number of pipeline projects identified as hydraulic constraints had been carried forward from the previous sewer master plan from 1996. These pipeline projects represent less than 2 percent of the total length of pipe in the collection system. The City is essentially built-out and the population has declined slighted since the 1990's. The City has implemented an aggressive water conservation program in compliance with state water use efficiency targets resulting in reduced hydraulic loading on the collection system. For these reasons, the City has adopted a system evaluation methodology and capital improvement program aimed at extending the useful life of its assets together with a modest asset renewal program; however, hydraulic capacity is no longer seen as critical issue given the system is generally oversized for the current loading.

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:

o Hold a high level of environmental consequences if vulnerable to collapse, failure, blockage, capacity issues, or other system deficiencies;

o Are located in or within the vicinity of surface waters, steep terrain, high groundwater elevations, and environmentally sensitive areas;

o 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 sewage 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.

8.1.1 Basis and Schedule for Evaluation

The sewer system consists of manholes and gravity pipelines.

20 percent of manholes are inspected annually and evaluated per NASSCO standards.

Every pipe is inspected at least once every 5 years via CCTV, and “hotspots” are inspected every year. CCTV footage is evaluated annually.

8.1.2 Assessment Prioritization

The primary prioritization criteria are related to CCTV condition assessment as described in Section 8.1.4. Secondary considerations for prioritization are listed below.

8.1.2.1 Areas of Environmental Vulnerability

In the event a pipeline or manhole deficiency impacts an environmentally vulnerable area, repairs or improvements will receive a higher prioritization.

8.1.2.2 Environmentally Sensitive Areas

The Puente Hills on the southeast side of the City are identified as a Significant Ecological Area (SEA). In the event a pipeline or manhole deficiency impacts the SEA, repairs or improvements will receive a higher prioritization.

8.1.2.3 Areas of Steep Terrain

Portions of the City feature steep terrain. In the event a pipeline or manhole deficiency impacts an area of steep terrain, repairs or improvements will receive a higher prioritization.

8.1.2.4 Areas Impacting the San Gabriel River

In the event a pipeline or manhole deficiency impacts tributaries to the San Gabriel River, repairs or improvements will receive a higher prioritization.

8.1.3 Procedures for Visual Inspection of Manholes

Manholes are evaluated for leaks and structural integrity by a certified NASSCO inspector.

8.1.4 Procedures for CCTV Inspection of Pipes

Pipes are evaluated by CCTV for grease, cracks, leaks, root intrusions, obstructions, and structural integrity.

In the 2014 sewer master plan, a formal process for reviewing CCTV footage was established as follows:

- Convert historical CCTV footage to a consistent digital format.
- Code the condition of the pipeline based on the CCTV video log as follows:
  - Grease.
  - Roots.
  - Sag.
  - Minor cracks.
  - Major cracks.
  - Offset joints.
  - Missing pipe.
- Review electronic video work for conditions 4 through 7.
- Note areas identified as 1 through 3 and spot check videos to verify consistency.
- Prepare budget level repair estimates for pipeline defects 4 through 7.
  - Note that Condition #1 (Grease) falls under the City's Grease Inspection Program and mitigation is likely to include designation as a "hotspot" subject to more frequent cleaning.
  - Not that Condition #3 (Sag) can only be corrected by replacement.

The results of the pipeline condition assessment from the 2014 sewer master plan are provided in Appendix J.

8.1.5 Documentation and Recordkeeping

The City maintains historical manhole inspection reports and CCTV footage. Technical details are maintained in the City's WinCan sewer inspection and asset management software platform. Improvements to infrastructure are updated in the City's sewer system map in GIS.

8.1.6 Impacts of Climate Change

The sewer system is not vulnerable to the impacts of sea level rise, flooding or erosion from increased storm activity, wildfires, or increased power disruptions.

An indirect impact of climate change is reduced hydraulic loading due to mandated indoor water use efficiency to improve the resiliency of the regional water supply. This impact will tend to improve hydraulic capacity but increase the need for regular cleaning of pipelines.

8.2 Capacity Assessment and Design Criteria

The City is in the process of updating design criteria as specified in Chapter 5. These design criteria apply to construction of new infrastructure and permitting of new connections to the sewer system. However, the vast majority of the sewer system was designed to a more conservative set of standards at a time when the hydraulic loading was higher and the City was increasing in population.

The pipe segments listed in Appendix D were identified in the 1996 sewer master plan as hydraulically deficient and were recommended to be upgraded at that time.

Since 1996, the following changes have reduced hydraulic constraints on the sewer system as high priorities for capital improvement funding:

- More moderate design criteria have been recommended (still in draft form).
- The City is essentially built-out.
- Population has decreased.
- Water conservation has reduced hydraulic loading.

8.2.1 Hydraulic Capacity Requirements

Refer to Chapter 5 for a detailed discussion of hydraulic capacity requirements.

8.2.2 Hydraulic Capacity Assessment

8.2.2.1 Incorporation of Historical Data

The 2014 and 1996 sewer master plans are the documents of records for collection and incorporation of historical data into the City's understanding of hydraulic capacity.

8.2.2.2 Inflow and Infiltration

The City is not aware of any issues related to inflow and infiltration. Pipes and manholes exhibiting cracks, leaks, root intrusion, and structural defects are scheduled for repair when identified via CCTV to reduce the impacts of inflow and infiltration on the sewer system and the surrounding environment.

8.2.2.3 Impacts of Erosion

There are no known impacts from erosion on the surface. The City reviews CCTV footage regularly to identify and mitigate subsurface erosion.

8.2.2.4 Flow Assessment

The City conducts local flow monitoring as needed to determine system capacity for design purposes.

8.3 Hydraulic Capacity Related to Spills

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 above-ground 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.*

There are no known spills related to deficient hydraulic capacity.

8.4 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.

The sewer system is assumed to have sufficient hydraulic capacity. Hydraulic capacity is not a consideration in prioritization of corrective action.

Manholes are inspected regularly, and repairs are prioritized based on NASSCO inspection criteria.

Pipes are inspected regularly by CCTV, and repairs are prioritized based on the results of the inspections.

The City has instituted a street resurfacing program. Streets due for resurfacing are given the highest priority in terms of manhole and pipe inspection scheduling and repairs in order to avoid conflicts with the paving moratorium.

8.5 Capital Improvement Plan (CIP)

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.*

8.5.1 Implementation Schedule

Capital projects are identified and scheduled for implementation on an annual basis.

8.5.2 Project Funding Sources

The City has allocated $300,000 annually for manhole repairs, and $1,200,000 annually for pipe repairs.

The sewer system is an enterprise fund.

8.5.3 Project Coordination

The City coordinates on an as-needed basis with LACSD regarding its connections to the County trunkline.

CHAPTER 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:

9.1 Documentation

Maintaining relevant information, including audit findings, to establish and prioritize appropriate Plan activities;

The SSMP requires all agencies to maintain relevant information and documents used by the City in establishing and prioritizing SSMP activities. The City of Monterey Park intends to comply with this requirement. Those documents include the Sewer Map, Grease Inspection Program, Capital Improvements Projects from the 1996 Sewer Master Plan report, "Hot Spots" List, and other relevant documents.

9.2 Monitoring

Monitoring the implementation and measuring the effectiveness of each Plan Element;

The City reviews annually relevant documents to evaluate the effectiveness of the SSMP program elements.

9.3 Assessment of Preventative Maintenance

Assessing the success of the preventive operation and maintenance activities;

Preventative maintenance includes cleaning, inspection and repairs of manholes and pipelines, and inspection and maintenance of grease interceptors. Cleaning is assessed as the length of pipe cleaned annually, including "hotspots". Inspection and repairs of manholes and pipelines is assessed as the number of manholes and length of pipe inspected and the number of deficiencies identified and mitigated. The Grease Inspection Program is assessed as a reduction in the number of violations by FOG sources.

The effectiveness of the SSMP program is monitored and tracked through key performance indicators. Those indictors include the total number of overflows, overflow response time, reduction in repeated incidents of spills at the same location, total number of spills equal to or greater than 1,000 gallons or reaching the waters of the United States, and reduction in number of spills that are caused by flows exceeding the capacity of the collection system.

9.4 Methods to Update Procedures and Activities

Updating Plan procedures and activities, as appropriate, based on results of monitoring and performance evaluations; and

The SSMP program elements will be updated or modified as necessary based on the above monitoring or performance evaluations.

9.5 Identifying and Illustrating Spill Trends

Identifying and illustrating spill trends, including spill frequency, locations and estimated volumes.

The locations of spills are plotted annually on city maps to indicate their locations. The causes of the spills are recorded, if known. These maps are used by the City for establishing spill patterns, identifying "hotspots" as indicated by clusters on the maps, and for scheduling work assignments and providing information on spill activities.

The number of spills every month is depicted in charts and graphs. The charts are used by the City to identify spill trends and as an indicator of problems that need to be corrected. The graphs are used to identify spill trends and to evaluate overall SSMP program success, especially by comparing the graphs to different years and with results from other sewer agencies.

CHAPTER 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 this General Order.

§5.4. Sewer System Management Plan Audits

The Enrollee shall conduct an internal audit of its Sewer System Management Plan, and implementation of its Plan, at a minimum frequency of once every three years. The audit must be conducted for the period after the end of the Enrollee's last required audit period. Within six months after the end of the required 3-year audit period, the Legally Responsible Official shall submit an audit report into the online CIWQS Sanitary Sewer System Database per the requirements in section 3.10 (Sewer System Management Plan Audit Reporting Requirements) of Attachment E1 of this General Order.

Audit reports submitted to the CIWQS Sanitary Sewer System Database will be viewable only to Water Boards staff.

The internal audit shall be appropriately scaled to the size of the system(s) and the number of spills. The Enrollee's sewer system operators must be involved in completing the audit. At minimum, the audit must:

• Evaluate the implementation and effectiveness of the Enrollee's Sewer System Management Plan in preventing spills;

• Evaluate the Enrollee's compliance with this General Order;

• Identify Sewer System Management Plan deficiencies in addressing ongoing spills and discharges to waters of the State; and

• Identify necessary modifications to the Sewer System Management Plan to correct deficiencies.

The Enrollee shall submit a complete audit report that includes:

• Audit findings and recommended corrective actions;

• A statement that sewer system operators' input on the audit findings has been considered; and

• A proposed schedule for the Enrollee to address the identified deficiencies.

10.1 Application of Internal Audit Checklist

The City uses a comprehensive checklist based on implementation of the General Order as it pertains to the City sewer system to determine compliance. The checklist is included in Appendix K. The auditor will review the checklist as it correlates to the SSMP and mark each item as compliant or non-compliant. Any non-compliant items are either corrected or a recommendation is made to achieve compliance in the future.

10.2 Sewer System Operator Involvement

The sewer system operators are involved in development and maintenance of the SSMP and receive training based on SSMP and SERP implementation.

10.3 Effectiveness in Preventing Spills

The frequency and volume of spills is compared to that of the previous audit to determine the effectiveness of SSMP implementation.

10.4 Compliance with the General Order

The checklist serves as an initial indicator of compliance. Following submittal of the SSMP and the audit to the State Board for review, the City will make any updates requested by the State Board to achieve compliance.

10.5 Deficiencies in Addressing Ongoing Spills and Discharges

The auditor will identify any ongoing spills and discharges and discuss the deficiencies that caused them.

The auditor will review historical spills and discharges from the previous audit and determine whether corrective measures were effective.

10.6 Modifications to Correct Deficiencies

The auditor will work with the City to identify appropriate corrective measures based on the findings of the audit.

10.7 Submittal

10.7.1 Statement of Findings and Recommended Corrective Actions

The auditor will prepare a statement of findings and recommended corrective actions addressing any non-compliant items in the checklist.

10.7.2 Statement of Operator Involvement

Operations staff involved in preparation of the internal audit will be identified and their contributions summarized.

10.7.3 Schedule to Address Deficiencies

Corrective actions will be stated clearly and unambiguously and include a schedule for implementation.

CHAPTER 11 – COMMUNICATION PROGRAM

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

11.1 Public Outreach

The SSMP is a public document available on the City's website.

11.1.1 Notice of Spills and Discharges

The public for spills and discharges resulting in closures of public areas, or that enter a source of drinking water, and

In accordance with the City's procedures, the Public Works Director is responsible for ensuring that the general public is notified of a spill. Potential public notification measures include temporary signage to indicate any polluted surface water or groundwater due to a spill and notification through media outlets. The Public Works Maintenance Manager is responsible for determining whether temporary signage should be posted and if further notifications are necessary. The City Manager's Office is the contact entity for all media notification.

11.1.2 Input on SSMP Development and Implementation

The public for the development, implementation, and update of its Plan, including opportunities for public input to Plan implementation and updates.

In accordance with the Brown Act, the SSMP will be included on the City Council's agenda for adoption. This will give the public the opportunity to review the SSMP and submit comments for the City's consideration as a normal function of transparency in Local Government.

General comments received from the public on the sewer system will be archived and considered for inclusion in the SSMP when it is next updated.

11.2 Stakeholder Outreach

Owners/operators of systems that connect into the Enrollee's system, including satellite systems, for system operation, maintenance, and capital improvement-related activities.

The City sewer system discharges to LACSD trunklines. The City and LACSD communicate on an as-needed basis to coordinate administrative, operational, maintenance, and improvement related activities.

Appendices

Appendix A: Monterey Park Municipal Code, Title 14-Public Utilities

Appendix B: Monterey Park Municipal Code, Title 16, Chapter 16.14, Plumbing Code

Appendix C: Los Angeles County Code, Title 20, Divisions 2-Santiary Sewers and Industrial Waste

Appendix D: 1996 Sewer Master Plan Hydraulic Constraints

Appendix E: General Order 2022-0103-DWQ

Appendix F: Draft Sanitary Sewer Design Standards and Plans

Appendix G: Spill Reporting Template

Appendix H: Methods for Calculating Spill Volume

Appendix I: Los Angeles Grease Interceptor Standards

Appendix J: 2014 Sewer Master Plan Condition Assessment

Appendix K: Internal Audit Checklist

Appendix L: Internal Audit Application

Appendix M: Spill Emergency Response Plan Training

Appendix A

Monterey Park Municipal Code, Title 14-Public Utilities

Note: Only those sections of Title 14 related to the sewer system, underground utilities, and water conservation are provided here. Sections specific to the water system have been omitted.

Title 14 PUBLIC UTILITIES

https://library.qcode.us/lib/monterey_park_ca/pub/municipal_code/item/title_14

Chapter 14.04 SEWERS AND INDUSTRIAL WASTE

14.04.010 Adoption.

Subject to the additions, deletions and amendments specified herein, the rules, regulations, provisions and conditions set forth in "Los Angeles County Code, Title 20, Utilities, Division 2, Sanitary Sewers and Industrial Waste," as amended and in full force and effect on July 27, 1989, promulgated, adopted and published by the county of Los Angeles, three copies of which have been deposited with the city clerk and are open for inspection, use and examination of the public, and which as so on file are referred to and by this reference are expressly incorporated herein and made a part hereof as fully and for all intents and purposes as though set forth herein at length, are adopted, and the same shall be designated as the sanitary sewers and industrial waste code of and for the city. (Ord. 1854 § 1, 1993; Ord. 1835 § 3, 1992; Ord. 1719 § 1, 1987; Ord. 1601 § 1, 1983)

14.04.020 Deletions.

Sections 20.24.160, 20.28.030, 20.28.050, 20.28.060, 20.28.080 and 20.36.295 and Parts 1, 2, 3 and 4 of Chapter 20.32 of the county's sanitary sewers and industrial waste code are deleted. (Ord. 1854 § 2, 1993; Ord. 1601 § 1, 1983)

14.04.025 Definitions.

Whenever any of the following words or terms are used in the sanitary sewers and industrial waste code, such words or terms shall mean the following:

"Board" means the city council.

"County of Los Angeles" means the city of Monterey Park except in such instances where the county of Los Angeles is a correct notation due to circumstances.

"County sewer maintenance district" means the county sewer maintenance district except in the instance where the territory concerned either is not within, or has been withdrawn from a county sewer maintenance district. In any such instance "county sewer maintenance district" means the city of Monterey Park.

"Ordinance" means an ordinance of the city of Monterey Park except in such instances where the reference is to a stated ordinance of the county of Los Angeles.

"Public sewer" means all sanitary sewers and appurtenances thereto, lying with streets or easements dedicated to the city which are under the sole jurisdiction of the city.

"Trunk sewer" means a sewer under the jurisdiction of a public entity other than the city of Monterey Park.

"Unincorporated area of the county of Los Angeles" means the city of Monterey Park. (Ord. 1854 § 3, 1993; Ord. 1601 § 1, 1983)

14.04.027 Section 20.24.200 amended.

Section 20.24.200 of the county's sanitary sewers and industrial waste code is amended as follows:

20.24.200 Notification of Uncontrolled Discharges Required. (A) In the event of an uncontrolled discharge, the discharger or permittee shall immediately notify the County Director of Public Works and the City Engineer of the incident by telephone. The notification shall include location of discharge, type of material, concentration and volume, and correction actions taken.

(B) Within ten (10) days after the uncontrolled discharge, the discharger or permittee shall submit to the County Director of Public Works and the City Engineer a detailed written report describing the cause of the discharge, corrective action taken and measures to be taken to prevent future occurrences. Such notification shall not relieve the discharger or permittee of liability or fines incurred as a result of the uncontrolled discharge.

(Ord. 1854 § 4, 1993)

14.04.030 Section 20.28.100 added.

Section 20.28.100 is added to the sanitary sewer and industrial waste code and is amended to read as follows:

20.28.100 Exemptions. Existing valid permits issued jointly by the City of Monterey Park and the Sanitation Districts of Los Angeles County shall be subject to review beginning October 12, 1987 and ending November 25, 1987. This review shall include a determination to be made by the City of Monterey Park as to whether any existing industrial waste interceptor conforms to current City standards.

If an existing industrial waste interceptor is found to be not in compliance with current City standards. written notice of such determination shall be mailed to the owner of the property (as set forth in the latest available assessment roll) and to the occupant at the address at which the interceptor is located, advising of such determination and that such interceptor must be replaced with a unit that does comply with City standards. Replacement shall be complete within forty-five (45) calendar days of the date of mailing of the notice of determination.

Each existing industrial waste interceptor that conforms to current City standards shall be subject to an annual inspection fee, as set by resolution of the city council.

(Ord. 1835 § 4, 1992; Ord. 1720 § 1, 1987; Ord. 1719 § 2, 1987; Ord. 1601 § 1, 1983)

14.04.040 Section 20.32.690 amended.

Section 20.32.690 of the sanitary sewer and industrial waste code is hereby amended by adding the following paragraph thereto:

If the damaged public sewer is not in a Sewer Maintenance District, the violator shall reimburse the City within 30 days after the City Engineer renders an invoice for the same.

(Ord. 1601 § 1, 1983)

14.04.050 Section 20.32.700 added.

Section 20.32.700 of the sanitary sewer and industrial waste code is amended to read as follows:

20.32.700 Additional Maintenance.

Whenever additional maintenance is required on a mainline sewer as a result of the discharge by a property which causes the restriction or cessation of sewage flow, the property owner shall be assessed all costs incurred by the City of Monterey Park to maintain such mainline.

(Ord. 1854 § 5, 1993; Ord. 1719 § 3, 1987; Ord. 1601 § 1, 1983)

14.04.060 Sections 20.36.230 and 20.36.245 amended.

Sections 20.36.230 and 20.36.245 of the sanitary sewer and industrial waste code are amended to read as follows:

Application Fee and Plan Review Fee. In addition to the application fee for industrial waste disposal permits and plan review fees for industrial waste listed above, each applicant shall be required to pay the actual costs for application and plan review to the City, including but not limited to costs of administration in connection with any proposed industrial or commercial use of the property from which industrial wastes would be emitted. Deposits for both the application fee and plan review fee, to be determined by resolution of the City Council, shall be submitted with any application, which deposits shall be applied to the costs set forth herein.

In the event the final costs to the City are more than the fees paid by the Applicant, the Applicant shall pay the deficiency upon demand and any excess shall be returned to the Applicant or applied toward the Annual Inspection Fee.

Issuance of an Industrial Waste Permit is contingent upon full and complete payment of the Application Fee and Plan Review Fee.

(Amended during 2005 recodification; Ord. 1854 § 5, 1993; Ord. 1835 § 5, 1992; Ord. 1719 § 4, 1987; Ord. 1601 § 1, 1983)

14.04.065 Section 20.36.250 amended.

Section 20.36.250 of the county's sanitary sewers and industrial waste code is amended to include an additional inspection fee Class E category (see Section 14.04.07). Fee amounts shall be determined by resolution of the city council. (Ord. 1854 § 7, 1993; Ord. 1835 § 6, 1992; Ord. 1719 § 6, 1987)

14.04.070 Section 20.36.260 amended.

Table 1 of Section 20.36.260 of the sanitary sewers and industrial waste code is amended to revise the inspection class of only those commercial categories specified below. This revision is for the purpose of compensating the city for its costs incurred in inspecting food service businesses and insuring the proper and timely maintenance of industrial waste interceptors and disposal of collected waste.

	Plan Review Class	Inspection Class
Public eating places and plant cafeterias	1	E

(Ord. 1854 § 8, 1993; Ord. 1719 § 5, 1987; Ord. 1601 § 1, 1983)

14.04.075 Section 20.36.310 amended.

Section 20.36.310 of the sanitary sewer and industrial waste code is hereby amended by amending paragraph B thereof and adding paragraph E thereto to read as follows:

B. The city engineer shall not grant such a permit if the sewer into which the discharge of public waste will be made is within any district identified in the sewer system master plan as containing a sewer system deficiency unless fees required by Chapter 14.06 of the Monterey Park Municipal Code have been paid.

E. Notwithstanding any other provision of this section, a permit for the discharge into a public sewer of (i) an effluent or leachate from property that is being operated as or has been operated as a commercial dump or sanitary landfill or (ii) condensate or other substance from an electrical generating plant or methane recovery plant using gas or other by-products from a landfill, shall not be granted by the city engineer unless it has first been approved by the city council. The city council shall not approve a permit unless it has conducted a public hearing thereon and finds:

1. That the application and supporting information submitted for any permit complies with the provisions of the sanitary sewer and industrial waste code of this city; and

2. That the waste will not damage or destroy the public sewer, will not cause a substantial increase in the cost of maintenance of the public sewer, will not retard or inhibit the treatment of sewage, and can be made acceptable by pretreatment; and

3. That the waste meets uniform minimum standards and criteria established by this sanitary sewer and industrial waste code for pretreatment of such waste so as to assure that it will not create a public nuisance and will comply with applicable regulations of any other public agency.

The public hearing shall be conducted by the city council within 30 days after it receives a report from the city engineer on the application, and the city clerk shall give written notice of the time and place of the hearing to the applicant at least 10 days in advance thereof and any other notice ordered by the city council.

(Ord. 1673 § 1, 1986; Ord. 1618 § 1, 1984)

14.04.080 Permits.

No person shall construct, use or alter any public or house connection sewer in the city without first obtaining a permit from the city engineer so to do; provided, however, that in the case of any sanitary sewer main which is used by a county sanitation district, this provision shall not apply. (Ord. 1601 § 1, 1983)

14.04.090 Permit—Application.

Any person desiring a permit for any of the purposes enumerated in Section 14.04.080 shall make application in writing to the city engineer, giving such information as said city engineer may require, on blanks to be furnished for that purpose, and if it appears therefrom that the work to be performed thereunder is to be done according to the regulations contained in this chapter, governing the construction of such work, a permit shall be issued upon payment of the fees as fixed by Sections 14.04.120 and 14.04.130. (Ord. 1601 § 1, 1983)

14.04.100 Repairing leaks.

Nothing contained in Sections 14.04.080 or 14.04.090 shall be deemed or construed to require the application for, or the issuance of, a permit for the purpose of removing stoppages or repairing leaks in any public or house connection sewer, except when it is necessary to replace any or all of such sewer with other or different materials. (Ord. 1601 § 1, 1983)

14.04.110 Exceptions.

The provisions of Section 14.04.080 shall not be construed to apply to contractors constructing sewers and appurtenances under contracts awarded and entered into under proceedings had or taken pursuant to any of the special procedure statutes of this state providing for the construction of sewers and the assessing of the expenses thereof against the lands benefitted thereby. (Ord. 1601 § 1, 1983)

14.04.120 Fees within city.

The city engineer shall at all times, before granting any permit, upon an application filed in accordance with the provisions of Section 14.04.090, require the payment of an inspection and connection fee in an amount which shall be determined by resolution of the city council. (Ord. 1779 § 9, 1989; Ord. 1601 § 1, 1983)

14.04.130 Permit—Outside city.

Any person desiring to construct a house connection sewer connecting to a city sewer any lot or part of lot located outside the city and located in county sanitation district No. 2 or No. 15, shall file an application for a permit therefor with the city engineer in the manner required by Section 14.04.090 and shall pay to the city engineer an inspection and connection fee in an amount to be determined by resolution of the city council. Upon the filing of such application and payment of said fee, the city engineer shall cause a permit to be issued. The lateral and the house connection from the sewer in front of such lot to the house located thereon shall be made by and at the expense of the owner thereof and

shall conform to the requirements of this chapter, and shall be subject to inspection by the approval of the city engineer and said permit shall so provide. (Ord. 1835 § 7, 1992; Ord. 1601 § 1, 1983)

14.04.140 Violation—Penalty.

Every person violating any provision of the sanitary sewers and industrial waste code of the city, as adopted and amended by this chapter, or any condition or limitation of any permit issued pursuant thereto, is guilty of a misdemeanor, and upon conviction thereof is punishable pursuant to Chapter 4.10 of this code. (Ord. 2127 § 4, 2016; Ord. 1854 § 9, 1993; Ord. 1713 § 1, 1987)

Chapter 14.06 SEWER RECONSTRUCTION

14.06.010 Purpose.

Most sewers in the city of Monterey Park were constructed many years ago and were designed to serve residential properties. Due to the increasing population density within the city, the erection of many multifamily dwelling units and growth of the commercial and industrial areas, the city sewage system is no longer adequate to accommodate the increased volume of sewage generated by such developments. The purpose of this chapter is to establish a means of providing adequate sewers required by development in the city and to establish a charge to be collected from all the properties that propose to discharge, to the public sewer, quantities of sewage in excess of the quantity for which the existing sewage system was designed, and to establish a fund into which these charges may be deposited and from which moneys will be available for the sanitary sewer reconstruction program. (Ord. 1554 § 1, 1981)

14.06.020 Definitions.

For the purpose of this chapter, the following words and phrases shall have the meanings set forth in this section:

“Floor area” means the area included within the exterior walls of a building or portion thereof, exclusive of open vent shafts and courts.

“Lot” means a lot or parcel of land as defined in Section 21.04.535.

“Owner” means an individual human being, firm, partnership, corporation, organization or anyone having an interest in any lot or parcel of land in the city of Monterey Park.

“Peak flow” means the instantaneous maximum rate of flow of sewage to be discharged to the sewer and shall be as provided herein.

“Public sewer” means the main line public sanitary sewer, excepting therefrom sewers under the jurisdiction of a public entity other than the city of Monterey Park.

“Sewer system master plan” means the sewer system master plan for the city of Monterey Park approved by the city council, which establishes various districts within the city and contains a map of such districts showing the deficient public sewers. (Ord. 1554 § 1, 1981)

14.06.030 Compliance required.

No person shall erect, construct, enlarge, or alter any building or structure or cause the same to be done without first having complied with the provisions of this chapter. (Ord. 1554 § 1, 1981)

14.06.040 Permit.

No building permit shall be issued for any development or redevelopment within any district identified in the sewer system master plan as containing a sewer system deficiency until fees required by this chapter have been paid. (Ord. 1554 § 1, 1981)

14.06.050 Capacity determination.

(a) The size and grade of each public sewer must be such as to provide at all times sufficient capacity for peak flow rates of discharge. To establish estimates of sanitary sewage at peak flow, the owner or developer of a lot shall submit plans of intended construction and such other information as the city engineer may require on printed forms provided for that purpose.

(b) The following establishes the peak flows for the various occupancies and shall be the basis for computing the discharge rates to the public sanitary sewer:

Occupancy		**Peak Flow**
Apartment or multiple dwelling		600 gal/day/dwelling unit
Assembly areas		15 gal/day/person of maximum occupant load
Auditorium		15 gal/day/seat
Automobile wash:	Regular	86,400 gal/day/wash lane
	Coin-operated	2,500 gal/day/stall
Bar/cocktail lounges		60 gal/day/seat
Gas station:	Without wash rack	1,500 gal/day
	With wash rack	3,000 gal/day
Hospital:	Hospitals	1,500 gal/day/bed
	Convalescent	300 gal/day/bed
Hotels		600 gal/day/room
Ice plant		1,200 gal/day/1,000 sq. ft. of floor area
Industry, light: No water processes		600 gal/day/1,000 sq. ft. of floor area
Laundry, automatic: Public		225 gal/day/machine

Medical office		900 gal/day/1,000 sq. ft. of floor area
Mobile home and/or trailer courts		600 gal/day/unit
Motels		600 gal/day/unit
Office		600 gal/day/1,000 sq. ft. of floor area
Restaurant		150 gal/day/seat
Schools:	Elementary	27 gal/day/capita
	Other	75 gal/day/capita
Single-family dwelling		600 gal/day/dwelling unit
Stand or drive-in for sale of lunches, ice cream, beverages, and similar items		900 gal/day/1,000 sq. ft. of floor area
Stores, commercial and display		300 gal/day/1,000 sq. ft. of floor area

(c) All others shall be classified by the occupancy it most nearly resembles as determined by the city engineer or as computed by the city engineer in accordance with the anticipated use.

(d) The peak flow to the sanitary sewer for a building containing mixed occupancies shall be determined by adding the peak flow characteristics of the various occupancies as set forth in the table in subsection (b) of this section.

(e) If an area of occupancy in use prior to the enactment of this chapter is to undergo structural innovations and such innovations shall not increase the peak flow to the public sewer as it existed from the lot immediately prior to said date of enactment, the owner shall submit to the city engineer an affidavit or statement pursuant to Section 2015.5 of the Code of Civil Procedure, verifying the actual occupancy load prior to said date of enactment. (Ord. 1554 § 1, 1981)

14.06.060 Fees.

The applicant for a permit to build in the city shall pay, at the time of issuance of a building permit, a fee based on the anticipated additional peak flow created by the new construction at the rate as established by the city council and adopted by resolution, less any credit which might be allowed as provided in Section 14.06.070. (Ord. 1724 § 1, 1987; Ord. 1554 § 1, 1981)

14.06.070 Credits.

In calculating the chargeable peak flow of sewage, each lot shall be given a credit of six hundred gallons per day per five thousand square feet of lot area. The amount of peak sewage generated by any existing facilities on the lot shall be deducted from this credit. This credit shall not be applied more than once to the same lot, except when the building on the lot has been demolished. (Ord. 1554 § 1, 1981)

14.06.080 Fund.

Fees collected pursuant to this chapter shall be deposited in a separate fund to be designated as the sewer reconstruction fund. These funds may be used only for the construction, reconstruction and repair of deficient portions of the sewer system as identified in the sewer system master plan. All engineering costs, refunds as provided in Section 14.06.090, overhead, incidentals, and construction costs necessarily incurred in the reconstruction of sewers shall be charged to the fund. (Ord. 1554 § 1, 1981)

14.06.090 Refund.

If any person shall have paid the applicable sewer charge based on the anticipated additional peak flow created by the new construction as provided herein and no portion of the new construction shall have been commenced and the permit for such construction shall have been canceled or expired, that person shall be entitled, upon written request, to a refund in an amount equal to one hundred percent of the sewer charges paid minus one percent of said charge. However, the amount retained shall not be less than ten dollars nor more than one hundred dollars. (Ord. 1554 § 1, 1981)

Chapter 14.16 UNDERGROUND UTILITY DISTRICTS

14.16.010 Definitions.

Whenever in this chapter the following words or phrases are used, they shall have the respective meanings assigned to them in the following definitions:

(1) "Commission" means the Public Utilities Commission of the state.

(2) "Poles, overhead wires and associated overhead structures" means poles, towers, supports, wires, conductors, guys, stubs, platforms, crossarms, braces, transformers, insulators, cutouts, switches, communication circuits, appliances, attachments and appurtenances located above-ground within a district and used or useful in supplying electric, communication or similar or associated service.

(3) "Underground utility district" or " district" means that area in the city within which poles, overhead wires, and associated overhead structures are prohibited as such area is described in a resolution adopted pursuant to the provisions of Section 14.16.040.

(4) "Utility" includes all persons or entities supplying electric, communication or similar or associated service by means of electrical materials or devices. (Ord. 1214 § 1(a)(b)(d)(e), 1968)

14.16.020 Public hearing by council.

The council may, from time to time, call public hearings to ascertain whether the public necessity, health, safety or welfare requires the removal of poles, overhead wires and associated overhead wires and associated overhead structures within designated areas of the city and the underground installation of wires and facilities for supplying electric, communication, or similar or associated service. The city clerk shall notify all affected property owners as shown on the last equalized assessment roll and utilities concerned by mail of the time and place of such hearings at least ten days prior to the date thereof. Each such hearing shall be open to the public and may be continued from time to time. At such hearing all persons interested shall be given an opportunity to be heard. The decision of the council shall be final and conclusive. (Ord. 1214 § 2(a), 1968)

14.16.030 Report by city engineer.

Prior to holding such public hearing, the city engineer shall consult all affected utilities and shall prepare a report for submission at such hearing containing, among other information, the extent of such utilities' participation and estimates of the total costs to the city and affected property owners. Such report shall also contain an estimate of the time required to complete such underground installation and removal of overhead facilities. (Ord. 1214 § 2(b), 1968)

14.16.040 Underground utility districts—Designation.

If, after any such public hearing the council finds that the public necessity, health, safety or welfare requires such removal and such underground installation within a designated area, the council shall, by resolution, declare such designated area an underground utility district and order such removal and underground installation. Such resolution shall include a description of the area comprising such district and shall fix the time within which such removal and underground installation shall be accomplished and

within which affected property owners must be ready to receive underground service. A reasonable time shall be allowed for such removal and underground installation, having due regard for the availability of labor, materials and equipment necessary for such removal and for the installation of such underground facilities as may be occasioned thereby. (Ord. 1214 § 3, 1968)

14.16.050 Unlawful acts.

Whenever the council creates an underground utility district and orders the removal of poles, overhead wires and associated overhead structures therein as provided in Section 14.16.040 hereof, it is unlawful for any person or utility to erect, construct, place, keep, maintain, continue, employ or operate poles, overhead wires and associated overhead structures in the district after the date when said overhead facilities are required to be removed by such resolution, except as said overhead facilities may be required to furnish service to an owner or occupant of property prior to the performance by such owner or occupant of the underground work necessary for such owner or occupant to continue to receive utility service as provided in Section 14.16.100, and for such reasonable time required to remove said facilities after said work has been performed, and except as otherwise provided in this chapter. (Ord. 1214 § 4, 1968)

14.16.060 Exception—Emergency or unusual circumstances.

Notwithstanding the provisions of this chapter, overhead facilities may be installed and maintained for a period, not to exceed thirty days, without authority of the council in order to provide emergency service. The council may grant special permission on such terms as the council may deem appropriate, in cases of unusual circumstances, without discrimination as to any person or utility, to erect, construct, install, maintain, use or operate poles, overhead wires and associated overhead structures. (Ord. 1214 § 5, 1968)

14.16.070 Other exceptions.

In any resolution adopted pursuant to Section 14.16.040 hereof, the city may authorize any or all of the following exceptions:

(1) Any municipal facilities or equipment installed under the supervision and to the satisfaction of the city engineer;

(2) Poles, or electroliers used exclusively for street lighting;

(3) Overhead wires (exclusive of supporting structures) crossing any portion of a district within which overhead wires have been prohibited, or connecting to buildings on the perimeter of a district, when such wires originate in an area from which poles, overhead wires and associated overhead structures are not prohibited;

(4) Poles, overhead wires and associated overhead structures used for the transmission of electric energy at nominal voltages in excess of thirty-four thousand five hundred volts;

(5) Overhead wires attached to the exterior surface of a building by means of a bracket or other fixture and extending from one location on the building to another location on the same building or to an adjacent building without crossing any public street;

(6) Antennae, associated equipment and supporting structures, used by a utility for furnishing communication services;

(7) Equipment appurtenant to underground facilities, such as surface mounted transformers, pedestal mounted terminal boxes and meter cabinets, and concealed ducts;

(8) Temporary poles, overhead wires and associated overhead structures used or to be used in conjunction with construction projects. (Ord. 1214 § 6, 1968)

14.16.080 Notice to property owners—Utility companies.

Within ten days after the effective date of a resolution adopted pursuant to Section 14.16.040, the city clerk shall notify all affected utilities and all persons owning real property within the district created by said resolution of the adoption thereof. The city clerk shall further notify such affected property owners of the necessity that, if they or any person occupying such property desire to continue to receive electric, communication, or similar or associated service, they or such occupant shall provide all necessary facility changes on their premises so as to receive such service from the lines of the supplying utility or utilities at a new location, subject to the applicable rules, regulations, and tariffs of the respective utility or utilities on file with the commission.

Notification by the city clerk shall be made by mailing a copy of the resolution adopted pursuant to Section 14. 16.040, together with a copy of this chapter, to affected property owners as such are shown on the last equalized assessment roll and to the affected utilities. (Ord. 1214 § 7, 1968)

14.16.090 Responsibility of utility companies.

If underground construction is necessary to provide utility service within a district created by any resolution adopted pursuant to Section 14.16.040, the supplying utility shall furnish that portion of the conduits, conductors and associated equipment required to be furnished by it under its applicable rules, regulations and tariffs on file with the commission. (Ord. 1214 § 8, 1968)

14.16.100 Responsibility of property owners.

(a) Every person owning, operating, leasing, occupying or renting a building or structure within a district shall construct and provide that portion of the service connection on his property between the facilities referred to in Section 14.16.090 and the termination facility on or within said building or structure being served, all in accordance with the applicable rules, regulations and tariffs of the respective utility or utilities on file with the commission.

(b) In the event any person owning, operating, leasing, occupying or renting said property does not comply with the provisions of subsection (a) of this section within the time provided for in the resolution enacted pursuant to Section 14.16.040, the city engineer may post written notice on the property being served and thirty days thereafter may authorize the disconnection and removal of any and all overhead service wires and associated facilities supplying utility service to said property; or

(c) Every person owning, operating, leasing, occupying or renting a building or structure within a district shall construct and provide that portion of the service connection on his property between the facilities referred to in Section 14.16.090 and the termination facility on or within said building or structure being served. If the above is not accomplished by any person within the time provided for in the resolution enacted pursuant to Section 14.16.040, the city engineer shall give notice in writing to the

person in possession of such premises, and a notice in writing to the owner thereof as shown on the last equalized assessment roll, to provide the required underground facilities within ten days after receipt of such notice.

(d) The notice to provide the required underground facilities may be given either by personal service or by mail. In case of service by mail on either of such persons, the notice must be deposited in the United States mail in a sealed envelope with postage prepaid, addressed to the person in possession of such premises at such premises, and the notice must be addressed to the owner thereof as such owner's name appears, and must be addressed to such owner's last known address as the same appears on the last equalized assessment roll, and when no address appears, to general delivery, city of Monterey Park. If notice is given by mail, such notice shall be deemed to have been received by the person to whom it has been sent within forty-eight hours after the mailing thereof. If notice is given by mail to either the owner or occupant of such premises, the city engineer shall, within forty-eight hours after the mailing thereof, cause a copy thereof, printed on a card not less than eight inches by ten inches in size, to be posted in a conspicuous place on said premises.

(e) The notice given by the city engineer to provide the required underground facilities shall particularly specify what work is required to be done, and shall state that if said work is not completed within thirty days after receipt of such notice, the city engineer will provide such required underground facilities, in which case the cost and expense thereof will be assessed against the property benefited and become a lien upon such property.

(f) If upon the expiration of the thirty-day period, the required underground facilities have not been provided, the city engineer shall forthwith proceed to do the work, provided, however, if such premises are unoccupied and no electric or communications services are being furnished thereto, the city engineer may in lieu of providing the required underground facilities, authorize the disconnection and removal of any and all overhead service wires and associated facilities supplying utility service to said property. Upon completion of the work by the city engineer, he shall file a written report with the city council setting forth the fact that the required underground facilities have been provided and the cost thereof, together with a legal description of the property against which such cost is to be assessed. The city council shall thereupon fix a time and place for hearing protests against the assessment of the cost of such work upon such premises, which said time shall not be less than ten days thereafter.

(g) The city engineer shall forthwith, upon the time for hearing such protests having been fixed, give a notice in writing to the person in possession of such premises, and a notice in writing thereof to the owner thereof, in the manner hereinabove provided for the giving of the notice to provide the required underground facilities, of the time and place that the city council will pass upon such report and will hear protests against such assessment. Such notice shall also set forth the amount of the proposed assessment.

(h) Upon the date and hour set for the hearing of protests, the city council shall hear and consider the report and all protests, if there are any, and then proceed to affirm, modify or reject the assessment.

(i) If any assessment is not paid within five days after its confirmation by the city council, the amount of the assessment shall become a lien upon the property against which the assessment is made, and the city engineer is directed to record a notice of such lien and to turn over to the assessor and tax collector a notice of the lien on each of said properties in which the assessment has not been paid, and said assessor and tax collector shall add the amount of said assessment to the next regular bill for taxes levied against the premises upon which said assessment was not paid. Said assessment shall be due and

payable at the same time as said property taxes are due and payable, and if not paid when due and payable, shall bear interest at the rate of six percent per year.

(j) At the time it affirms or modifies the assessment, the city council shall have the power, in its discretion, to determine that the payment of such assessment may be made in annual installments, in any event not to exceed ten, and that the assessment so deferred shall bear interest on the unpaid balance at the rate of six percent per year from the date the first installment is due and payable. The city engineer is directed to notify the assessor and tax collector each year of the installment due on each of said properties, and said assessor and tax collector shall add the amount of said installment to the next regular bill for taxes levied against the premises upon which said assessment was not paid. Each of said installments shall be due and payable at the same time as said property taxes are due and payable. During the term of said assessment installment payments, the property owner may pay the unpaid balance due to the city without penalty. (Ord. 1422 §§ 1, 2, 1976; Ord. 1247 § 1, 1969; Ord. 1214 § 9, 1968; prior code § 7408)

14.16.110 Responsibility of city.

The city shall remove at its own expense all city-owned equipment from all poles required to be removed hereunder in ample time to enable the owner or user of such poles to remove the same within the time specified in the resolution enacted pursuant to Section 14.16.040 of this chapter. (Ord. 1214 § 10, 1968)

14.16.120 Extension of time.

In the event that any act required by this chapter or by a resolution adopted pursuant to Section 14.16.040 cannot be performed within the time provided on account of shortage of materials, war, restraint by public authorities, strikes, labor disturbances, civil disobedience, or any other circumstances beyond the control of the actor, then the time within which such act will be accomplished shall be extended for a period equivalent to the time of such limitation. (Ord. 1214 § 11, 1968)

Chapter 14.20 UNDERGROUND UTILITY LINES

14.20.010 Definitions.

For the purpose of this chapter, the following words and phrases shall have the meanings ascribed to them as set forth in this section:

(1) "Undergrounding" means the location or relocation of utilities so that all of the utility facilities are located under the surface of the ground except for appurtenances and associated equipment, including, but not limited to, meter cabinets and concealed ducts mounted on structures. All such undergrounding work, where required, shall be constructed and maintained in accordance with all applicable laws, rules and regulations, including, but not limited to, rules, regulations and tariffs, applicable to the affected utility, adopted or approved by the Public Utility Commission of the State of California;

(2) "Utility or utility facilities" means wire, conduit, and similar devices designed and/or utilized for supplying and/or distributing electrical energy and/or services, telephone, telegraph or cable television service to a consumer. (Ord. 1496 § 1, 1979)

14.20.020 Undergrounding of utilities—When required.

In addition to any other provisions of this code, the undergrounding of utility facilities shall be required in all of the following circumstances, except as hereinafter expressly provided:

(1) New Construction. For all utilities to serve any real property upon which any building or structure is constructed where the building permit valuation of such construction is fifty thousand dollars or more, or where the utilities serving the real property are already undergrounded.

(2) Relocations. For all utilities to serve any real property upon which any building or structure is to be relocated into this city from outside the city or is relocated within the city where the usable floor area of such building or structure to be relocated is a total of one thousand two hundred fifty square feet or more.

(3) Existing Undergrounding. Whenever additional utility service is required to serve property where the utilities are already undergrounded.

(4) Exception. In cases of extreme hardship, where the installation of underground utilities proves to be impractical or impossible, the city engineer may issue an exception in whole or in part hereof. The decision of the city engineer shall be based upon the following standards and criteria:

(A) Where the undergrounding would be impractical because of main line location or access conditions; or

(B) Whether the undergrounding would be undesirable or unnecessary in the particular area concerned.

In order to receive such exception, the applicant shall apply in writing to the city engineer for the same. The decision of the city engineer shall be issued thereon in writing within three days after such written request. Any applicant dissatisfied with the decision of the city engineer with respect to such exception may appeal the same to the city council within five days after written notice thereof, and the city council shall hear and decide the matter at its next most convenient regular meeting. The decision of the city council thereon shall be final. (Ord. 1774 §§ 1, 2, 1989; Ord. 1496 § 1, 1979)

14.20.030 Responsibility for compliance.

The owner and/or person who occupies any property or developer shall be responsible for compliance with this chapter and shall make the necessary arrangements with the utility company for the installation of such facilities from the structure to be served to the appropriate main line provided by the utility company. (Ord. 1496 § 1, 1979)

14.20.040 Responsibility of utility companies.

If underground utility construction is necessary off the site of the property being served to provide service under this chapter, the supplying utility shall furnish that portion of the conduits, conductors and associated equipment required to be furnished by it under its applicable rules, regulations, and tariffs on file with the commission. (Ord. 1496 § 1, 1979)

Chapter 14.25 WATER CONSERVATION REGULATIONS

14.25.010 Purpose.

This chapter is adopted in accordance with Article XI, Section 7 of the California Constitution and Water Code Section 375 for the purpose of adopting water conservation regulations. (Ord. 2214 § 1, 2021)

14.25.020 Precedence.

To the extent that any regulation in this chapter conflicts with that of Chapter 14.08, the more restrictive regulation favoring water conservation takes precedence. The director, in consultation with the city attorney, may make a written determination regarding any such potential conflict and enforce the more restrictive regulation. (Ord. 2214 § 1, 2021)

14.25.030 General prohibition and enforcement.

(a) It is unlawful for any person to violate, or fail to comply with, any provision of this chapter. Unless otherwise provided, violations of this chapter constitute an infraction.

(b) Every person violating this chapter is guilty of a separate offense for every day during any portion of which any violation of any provision of this chapter is committed, continued, or permitted by such person.

(c) In addition to these penalties, any condition caused or permitted to exist in violation of any of the provisions of this chapter is a public nuisance and may be abated in accordance with applicable law including, without limitation, this code.

(d) This chapter may also be enforced with administrative citations in accordance with Chapter 4.20. (Ord. 2214 § 1, 2021)

14.25.040 Penalties.

(a) Each infraction is punishable as follows:

(1) A fine not exceeding one hundred dollars for the first violation;

(2) A fine not exceeding two hundred dollars for a second violation of the same provision within one year;

(3) A fine not exceeding five hundred dollars for each additional violation of the same provision within one year of the first violation.

(b) If a person violates the same provision a fourth time within one year of the first violation, the city attorney may, but is not required to, prosecute the violation as a misdemeanor in accordance with applicable law.

(c) Following a duly noticed public hearing, the city council may, by resolution, adopt additional penalties in accordance with applicable law for violations of this chapter. (Ord. 2214 § 1, 2021)

14.25.050 Exception—Defense.

(a) This chapter does not apply when an action is needed to address an immediate threat to health and safety or to comply with a term or condition in a permit issued by a state or federal agency.

(b) A person may assert such exception as a defense for violations of this chapter. (Ord. 2214 § 1, 2021)

14.25.060 Definitions.

Words and phrases not defined by this chapter have the meaning set forth in this code, the water code, or regulations promulgated by the State Water Resources Control Board in accordance with applicable law.

"Decorative water features" means water features that are artificially supplied with water including, without limitation, ponds, lakes, waterfalls, and fountains, but excluding pools and spas.

"Director" means the public works director, or designee. (Ord. 2214 § 1, 2021)

14.25.070 Service permits—Application.

Should the city council declare a stage four, stage five, or stage six drought emergency in accordance with this chapter, it may also direct the director not to accept any applications for new water service. (Ord. 2214 § 1, 2021)

14.25.080 Consumer supplying water.

It is unlawful for any person to allow, maintain, or permit leaks or waste of water. When a person's interior water pipes, those water pipes on the person's side of the water meter, leak to an extent that water is being wasted and the customer does not repair said leaks, the director, may, except in a drought emergency, give the customer thirty days' notice to make such repairs to eliminate said wastage of water. If said repairs are not completed within the thirty days' notice, the water service to

the property may be shut off. To have water service restored after such a shutoff, it the person must furnish proof of repairs, apply for water service to be reinstated, and pay a reconnection fee established by city council resolution. In a drought emergency, the director may provide less time for compliance as required in accordance with applicable law. Persons must be provided with at least twenty-four hours to repair. (Ord. 2214 § 1, 2021)

14.25.090 Regulations—Generally.

(a) Multiple Parcels. It is unlawful for water to be served to two or more parcels of property separately owned through a common service pipe, unless there is no main contiguous to said premises from which service may be had, and further unless the consumer first in order of service from the main provides a written guarantee to pay water rates for all parcels of property so served. Except in a drought emergency, the director, must give thirty days' notice in writing to all consumers served through such service before enforcing Chapter 14.08 or Chapter 14.12 by discontinuing water service in accordance with this code and Public Utilities Code Sections 10001, et. seq. In a drought emergency, the director may provide less time for compliance.

(b) Hosing Down. To, among other things, comply with the city's national pollutant discharge elimination system ("NPDES") permit requirements, it is unlawful for any person to hose water or wash down any sidewalk, walkway, driveway, parking area or other paved surface, except as is required for the benefit of public health and safety.

(c) Lawn/Landscape Watering. To, among other things, comply with the city's NPDES permit requirements:

(1) It is unlawful for any person to water or cause to be watered any lawn or landscaping between the hours of nine a.m. and five p.m. of any one day;

(2) It is unlawful for any person to water or cause to be watered any lawn or landscaping more than once a day;

(3) It is unlawful for any person to water or cause to be watered any lawn or landscaping within forty eight hours after measurable precipitation;

(4) It is unlawful for any person to water or cause to be watered any lawn or landscaping to such an extent that runoff into any adjoining street, parking lot or alley occurs due to incorrectly directed or maintained sprinklers or excessive watering;

(5) It is the duty of all persons to inspect all hoses, faucets and sprinkling systems for leaks, and to cause all leaks to be repaired as soon as is reasonably practicable.

(d) Indoor Plumbing and Fixtures. It is the duty of all persons to inspect all accessible indoor plumbing and faucets for leaks, and to cause all leaks to be repaired as soon as is reasonably practicable, but not later than seven days after receiving a notice of violation from the director.

(e) Washing Vehicles. It is unlawful for any person to wash any motor vehicle, boat, trailer, or other type of mobile equipment unless such vehicle is washed:

(1) At a commercial carwash;

(2) Using only reclaimed water; or

(3) By using a hand-held bucket or a water hose equipped with an automatic shutoff nozzle.

(f) Running Hose Prohibited. It is unlawful for any person to leave a water hose running while washing a vehicle or at any other time.

(g) Public Eating Places. It is unlawful for any restaurant, hotel, cafeteria, café, or other public place where food is sold or served to serve drinking water to any customer unless specifically requested to do so by such customer.

(h) Linen Services. Commercial lodging establishments, including hotels and motels, must offer guests the option of declining daily bed linen and towel laundry services. Each commercial lodging establishment must prominently display notice of this option in each room.

(i) Decorative Fountains. It is unlawful for any person to use water to clean, fill, or maintain levels in any decorative fountain, pond, lake, or other similar aesthetic structure unless such water flows through a recycling system.

(j) It is unlawful to install non re-circulating water systems at new commercial car washes and new commercial laundromat facilities.

(k) Single Pass Cooling Systems. It is unlawful to install single pass cooling systems in new commercial buildings requesting new water utility service.

(l) A written warning must be provided to persons upon the first violation of this section. (Ord. 2214 § 1, 2021)

14.25.100 Determination of drought emergency.

The director must monitor and evaluate projected available water supplies and estimated water demand of the city's users. Upon the director determining whether through an independent evaluation or as directed by the State Water Resources Control Board, that a drought emergency exists, the city council must consider declaring a stage one, stage two, stage three, stage four, stage five, or stage six drought emergency by resolution. In addition to the general regulations, restrictions from the previous drought emergency state will apply to the next higher stage in addition to a more stringent restriction. (Ord. 2214 § 1, 2021)

14.25.110 Stage one drought emergency.

(a) Declaring a stage one drought emergency demonstrates the need to reduce the city's water demand by a maximum of ten percent.

(b) The resolution declaring a stage one drought emergency must direct the director, to provide public notice regarding appropriate voluntary water use restrictions including, without limitation:

(1) Watering outdoors for the purposes of irrigating landscape, lawns, vegetated areas, and plant material without the use of a drip irrigation or micro-spray system should be limited to three times per week. Residents may water and/or irrigate landscape, lawns, vegetated areas, and plant material on Monday, Wednesday, and Friday. (Ord. 2214 § 1, 2021)

14.25.120 Stage two drought emergency.

(a) Declaring a stage two drought emergency demonstrates the need to reduce the city's water demand between eleven percent and twenty percent.

(b) The resolution declaring a stage two drought emergency must, in addition to the general prohibitions of this chapter, direct the director, to impose the following mandatory water use restrictions:

(1) Watering outdoors for the purposes of irrigating landscape, lawns, vegetated areas, and plant material without the use of a drip irrigation or micro-spray system is limited to two times per week. Residents may water and/or irrigate landscape, lawns, vegetated areas, and plant material on Monday and Thursday.

(2) Install non drip irrigation or micro-spray systems used in watering outdoors for purposes of irrigating landscape, lawns, vegetated areas, and plant material in new commercial and residential developments requesting new water utility service is unlawful.

(c) It is unlawful to use potable water to irrigate ornamental turf on public street medians within the city's service boundaries. (Ord. 2214 § 1, 2021)

14.25.130 Stage three drought emergency.

(a) Declaring a stage three drought emergency demonstrates the need to reduce the city's water demand between twenty-one percent and thirty percent.

(b) The resolution declaring a stage three drought emergency must, in addition to the general prohibitions of this chapter, direct the director, to impose the following mandatory water use restrictions:

(1) Watering outdoors for the purposes of irrigating landscape, lawns, vegetated areas, and plant material without the use of a drip irrigation or micro-spray system is limited to one time per week. Persons are permitted to water and/or irrigate landscape, lawns, vegetated areas, and plant material on Monday.

(2) Filling swimming pools, spas, hot tubs, jacuzzis, or children's wading pools is limited to not more than one time per week on Mondays.

(3) Using potable water from fire hydrants is limited to firefighting and emergency related activities and/or other activities necessary to maintain public health, safety, and welfare including, without limitation, flushing utility distribution pipelines; constructing water distribution and production facilities; and maintaining street sweeping services. If there is a need for acquiring fire hydrant and flow testing services, the applicant is required to have the test completed by the director, through the water system computer model in-lieu of having an actual real-time field test completed. The expense incurred by the city for completing a fire hydrant and flow test using the city water system computer model will be paid by the applicant.

(c) Declaring a stage three drought emergency makes it unlawful to:

(1) Install non drip irrigation or micro-spray systems used in watering outdoors for purposes of irrigating landscape, lawns, vegetated areas, and plant material in new commercial and residential developments requesting new water utility service.

(2) Use potable water to irrigate ornamental turf on public street medians within the city's service boundaries.

(3) Wash any motorized vehicle or non-motorized equipment including, without limitation, automobiles, trucks, vans, buses, motorcycles, boats, or other motorized and non-motorized equipment unless performed at commercial car wash facilities. (Ord. 2214 § 1, 2021)

14.25.140 Stage four drought emergency.

(a) Declaring a stage four drought emergency demonstrates the need to reduce the city's water demand between thirty-one percent and forty percent, or more.

(b) The resolution declaring a stage four drought emergency must, in addition to the general prohibitions of this chapter, direct the director, to impose the following mandatory water use restrictions:

(1) Using potable water from fire hydrants is limited to firefighting and emergency related activities and/or other activities necessary to maintain public health, safety, and welfare including, without limitation, flushing utility distribution pipelines; constructing water distribution and production facilities; and maintaining street sweeping services. If there is a need for acquiring fire hydrant and flow testing services, the applicant is required to have the test completed by the director, through the water system computer model in-lieu of having an actual real-time field test completed. The expense incurred by the city for completion of a fire hydrant and flow test using the city water system computer model will be paid by the applicant.

(c) Declaring a stage four drought emergency makes it unlawful to:

(1) Water without a drip irrigation or micro-spray system.

(2) Install non drip irrigation or micro-spray systems used in watering outdoors for purposes of irrigating landscape, lawns, vegetated areas, and plant material in new commercial and residential developments requesting new water utility service.

(3) Use potable water to irrigate ornamental turf on public street medians within the city's service boundaries.

(4) Fill swimming pools, spas, hot tubs, and/or jacuzzis of any kind whether in-ground or above-ground structures, including children's wading pools.

(5) Wash any motorized vehicle or non-motorized equipment including, without limitation, automobiles, trucks, vans, buses, motorcycles, boats, or other motorized and non-motorized equipment unless performed at commercial car wash facilities. (Ord. 2214 § 1, 2021)

14.25.150 Stage five drought emergency.

Declaring a stage five water shortage demonstrates the need to reduce the city's water demand between forty-one percent and fifty percent. All prohibitions and restrictions for a stage four drought emergency are applicable to a stage five drought emergency and must be incorporated into the resolution adopted by the city council. (Ord. 2214 § 1, 2021)

14.25.160 Stage six drought emergency.

Declaring a stage six water shortage demonstrates the need to reduce the city's water demand more than fifty percent. All prohibitions and restrictions for a stage five drought emergency are applicable to a stage six drought emergency and must be incorporated into the resolution adopted by the city council. (Ord. 2214 § 1, 2021)

Appendix B

Monterey Park Municipal Code, Title 16, Chapter 16.14, Plumbing Code

Title 16 BUILDINGS AND CONSTRUCTION

https://library.qcode.us/lib/monterey_park_ca/pub/municipal_code/item/title_16-chapter_16_14

Chapter 16.14 REFERENCED STANDARDS CODE

16.14.010 Referenced Standards Code adopted by reference.

Pursuant to Government Code Section 50022.9, the city council adopts and incorporates by reference the California Referenced Standards Code, 2022 Edition, as published in Title 24, Part 12 of the California Code of Regulations. (Ord. 2224 § 15, 2022; Ord. 2165 § 13, 2019; Ord. 2140 § 13, 2016; Ord. 2103 § 11, 2014; Ord. 2102 § 11, 2014)

Appendix C

Los Angeles County Code, Title 20, Divisions 2-Santiary Sewers and Industrial Waste

Title 20. UTILITIES

https://library.municode.com/ca/los_angeles_county/codes/code_of_ordinances?nodeId=TIT20UT_DIV2SASEINWA

Division 2. SANITARY SEWERS AND INDUSTRIAL WASTE

Chapter 20.20 - DEFINITIONS

20.20.010 - Definitions applicable to Division 2.

The definitions in this chapter shall govern the construction of this Division 2 of Title 20, and any permits issued thereunder unless otherwise apparent from the context.

(Ord. 6130 Part 2 § 2001, 1952.)

20.20.015 - Act.

"Act" means the Federal Water Pollution Control Act, also known as the Clean Water Act, as amended, 33 U.S.C. 1251, et seq.

(Ord. 89-0101 § 1, 1989.)

20.20.020 - Board.

"Board" means the board of supervisors of the county of Los Angeles.

(Ord. 6130 Part 2 § 2002, 1952.)

20.20.030 - Cesspool.

"Cesspool" means and is a lined excavation in the ground which receives the discharge of a drainage system, or part thereof, so designed as to retain the organic matter and solids discharging therein, but permitting the liquids to seep through the bottom and sides, and constructed pursuant to the provisions of the Plumbing Ordinance set out at Title 28 of this code.

(Ord. 6130 Part 2 § 2004, 1952.)

20.20.040 - Chief engineer.

"Chief engineer" means the chief engineer of the County Sanitation District, the Municipal Water District or County Water District that owns and operates public sanitary sewerage facilities, or the County Flood Control District, or his authorized deputy, agent or representative. The district referred to shall be that one stipulated by the context.

(Ord. 9119 § 1 (part), 1966: Ord. 6130 Part 2 § 2005, 1952.)

20.20.050 - Chimney.

"Chimney" means a vertical section of a sewer pipe extending either from a vertical tee set 90 degrees to the main line or from a long-radius one-quarter bend set vertically at the curb of property line, and in either case suitably reinforced with concrete.

(Ord. 8690 § 2 (part), 1964: Ord. 6130 Part 2 § 2006, 1952.)

20.20.060 - County.

"County" means the county of Los Angeles.

(Ord. 6130 Part 2 § 2008, 1952.)

20.20.070 - County engineer.

"County engineer" means the director of public works of the county of Los Angeles, or his authorized deputy, agent, representative or inspector.

(Ord. 89-0101 § 2, 1989: Ord. 6130 Part 2 § 2009, 1952.)

20.20.080 - County health officer.

"County health officer" means the director of public health of the county of Los Angeles, or his duly authorized representative.

(Ord. 2006-0040 § 108, 2006: Ord. 6130 Part 2 § 2010, 1952.)

20.20.090 - Dairy wastes.

"Dairy wastes" means the waste liquids incident to operation of a dairy, including wash water from the milking barn, milk house, bottle washing equipment, and similar devices.

(Ord. 6130 Part 2 § 2012, 1952.)

20.20.095 - Director.

"Director" means the director of public works of the county of Los Angeles, or his authorized deputy, agent, representative or inspector.

(Ord. 89-0101 § 3, 1989.)

20.20.100 - Domestic sewage.

"Domestic sewage" means the waterborne wastes derived from ordinary living processes, and of such character as to permit satisfactory disposal, without special treatment, into the public sewer or by means of a private sewage disposal system.

(Ord. 6130 Part 2 § 2014, 1952.)

20.20.110 - Effluent.

"Effluent" means the liquid flowing out of any treatment plant or facility constructed and operated for the partial or complete treatment of sewage or industrial waste.

(Ord. 7519 § 1 (part), 1959: Ord. 6130 Part 2 § 2015, 1952.)

20.20.115 - Septic tank effluent.

"Septic tank effluent" is effluent from private septic tanks and shall be considered, for the purposes of this chapter involving the discharge of septic tank effluent to a Septic Tank Effluent Pumping pressure sewer system (STEP), the same as industrial waste. Whenever this chapter refers to industrial waste, the reference shall include septic tank effluent.

(Ord. 89-0006 § 2, 1989.)

20.20.117 - EPA.

"EPA" means the United States Environmental Protection Agency.

(Ord. 89-0101 § 4, 1989.)

20.20.120 - Frontage.

"Frontage" means the length or width in feet applied to a lot based on the benefit received from the abutting sewer, as determined by the county engineer.

(Ord. 8690 § 2 (part), 1964: Ord. 6982 § 2, 1956: Ord. 6130 Part 2 § 2015.1, 1952.)

20.20.130 - House lateral.

"House lateral" means that part of the sewer piping within the street or right-of-way which extends from the property or sewer right-of-way line to a construction with the main-line sewer.

(Ord. 8690 § 2 (part), 1964: Ord. 6130 Part 2 § 2016, 1952.)

20.20.135 - Indirect discharge.

"Indirect discharge" or "discharge" into a sewer means the introduction of pollutants into a POTW from any nondomestic source regulated under Section 307(b), (c) or (d) of the Act.

(Ord. 89-0101 § 5, 1989.)

20.20.140 - Industrial building.

"Industrial building" means any building, structure or works which is, or which is designed to be used for the manufacture, processing or distribution of materials, equipment, supplies, food or commodities of any description; or which is used or designed to be used as a school, sanitarium, hospital, penal institution or charitable institution, together with all appurtenances thereto and the surrounding premises under the same ownership or control.

(Ord. 6130 Part 2 § 2017, 1952.)

20.20.150 - Industrial connection sewer.

"Industrial connection sewer" means that part of the sewer piping within the street or right-of-way which extends from the property or sewer right-of-way line to a connection with the main-line sewer through which is discharged industrial waste.

(Ord. 8690 § 2 (part), 1964: Ord. 7519 § 1 (part), 1959: Ord. 6130 Part 2 § 2018, 1952.)

20.20.155 - Industrial user.

"Industrial user" or "user" means a source of indirect discharge.

(Ord. 89-0101 § 6, 1989.)

20.20.160 - Industrial waste.

"Industrial waste" means any and all waste substances, liquid or solid, except domestic sewage, and includes among other things radioactive wastes and explosive, noxious or toxic gas when present in the sewage system.

(Ord. 6130 Part 2 § 2019, 1952.)

20.20.170 - Industrial waste treatment facility.

"Industrial waste treatment facility" means any works or device for the treatment, storage or control of industrial waste within a site prior to disposal.

(Ord. 11716 § 1, 1978: Ord. 6982 § 3 (part), 1956: Ord. 6130 Part 2 § 2021, 1952.)

20.20.180 - Inspector.

"Inspector" means the authorized inspector, deputy, agent or representative of the county engineer.

(Ord. 6130 Part 2 § 2022, 1952.)

20.20.190 - Interceptor.

"Interceptor" means and is a device designed and installed so as to separate and retain deleterious, hazardous or undesirable matter from wastes.

(Ord. 6130 Part 2 § 2023, 1952.)

20.20.195 - Interference.

"Interference" means a discharge which, alone or in conjunction with a discharge or discharges from other sources:

A. Inhibits or disrupts the POTW, its treatment processes or operations, or its sludge processes, use or disposal; and

B. Is therefore a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation) or of the prevention of sewage sludge use or disposal in compliance with the following statutory provisions and regulations or permits issued thereunder (or more stringent state or local regulations): Section 405 of the Clean Water Act, the Solid Waste Disposal Act (SWDA) (including Title II, more commonly referred to as the Resource Conservation and Recovery Act (RCRA), and including the state regulations contained in any sludge management plan prepared pursuant to Subtitle D of the SWDA), the Clean Air Act, and the Marine Protection, Research and Sanctuaries Act.

(Ord. 89-0101 § 7, 1989.)

20.20.200 - Licensed contractor.

"Licensed contractor" means a contractor having a valid license issued pursuant to Chapter 9, Division 3, of the Business and Professions Code, state of California, which license includes the activities listed on the permit applied for.

(Ord. 6982 § 3 (part), 1956: Ord. 6130 Part 2 § 2024, 1952.)

20.20.210 - Lot.

"Lot" means any piece or parcel of land bounded, defined or shown upon a map or deed recorded or filed in the office of the county recorder of Los Angeles County; provided, however, that in the event any building or structure covers more area than a lot as defined above, the term "lot" shall include all such pieces or parcels of land upon which said building or structure is wholly or partly located together with the yards, courts and other unoccupied spaces legally required for the building or structure.

(Ord. 10020 § 3 (part), 1970: Ord. 6130 Part 2 § 2025, 1952.)

20.20.220 - Main-line sewer.

"Main-line sewer" means any public sewer in a dedicated right-of-way in which changes in alignment and grade occur only at manholes, or where angle points or curves between manholes have been approved by the county engineer. Such sewers are generally eight inches or more in diameter.

(Ord. 6982 § 3 (part), 1956: Ord. 6130 Part 2 § 2026, 1952.)

20.20.222 - National Categorical Pretreatment Standard.

"National Categorical Pretreatment Standard," "NCPS," "National Pretreatment Standard," "Pretreatment Standard," or "Standard" means any regulation containing pollutant discharge limits promulgated by the EPA in accordance with Section 307(b) and (c) of the Act which applies to industrial users. This term includes prohibitive discharge limits established pursuant to Section 403.5 of Title 40 of the Code of Federal Regulations.

(Ord. 89-0101 § 8, 1989.)

20.20.224 - New source.

"New source" means any building, structure, facility or installation from which there is or may be a discharge of pollutants, the construction of which commenced after the publication of proposed pretreatment standards under Section 307(c) of the Act applicable to such source.

(Ord. 89-0101 § 9, 1989.)

20.20.225 - NPDES permit.

"NPDES permit" means a National Pollution Discharge Elimination System permit issued pursuant to Section 402 of the Act.

(Ord. 89-0101 § 10, 1989.)

20.20.226 - Off-site disposal.

"Off-site disposal" means the disposal or removal of industrial wastes or other materials regulated by this division to a site other than the premises where the wastes were generated, whether or not such site is under the control of the industrial waste disposal permittee.

(Ord. 89-0101 § 11, 1989.)

20.20.228 - On-site disposal.

"On-site disposal" means the management, treatment, control or disposal, other than to the public sewer system, of industrial wastes or other materials within the premises named in an industrial waste disposal permit, whether or not the wastes were generated at the permitted site or by the permittee.

(Ord. 89-0101 § 12, 1989.)

20.20.230 - Ordinance.

"Ordinance" means an ordinance of the county of Los Angeles.

(Ord. 6130 Part 2 § 2027, 1952.)

20.20.235 - Pass through.

"Pass through" means a discharge which exits the POTW into the waters of the United States in quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation.)

(Ord. 89-0101 § 13, 1989.)

20.20.240 - Permittee.

"Permittee" means the person to whom a permit has been issued pursuant to the provisions of this Division 2 of Title 20.

(Ord. 6130 Part 2 § 2028, 1952.)

20.20.250 - Person.

"Person" means an individual human being, a firm, partnership or corporation, his or their heirs, executors, administrators, assigns, officers or agents, the county of Los Angeles, and any municipal, quasi-municipal or government agency, or district or officers thereof.

(Ord. 6130 Part 2 § 2029, 1952.)

20.20.260 - Pollution of underground or surface waters.

"Pollution of underground or surface waters" means affecting the chemical, physical, biological and radiological integrity of such waters by man-made or man-induced activities.

(Ord. 89-0101 § 14, 1989: Ord. 6130 Part 2 § 2030, 1952.)

20.20.262 - Publicly owned treatment works.

"Publicly owned treatment works" or "POTW" means a treatment works as defined by Section 212 of the Act, which is owned by a state or municipality (as defined by Section 502(4) of the Act). This definition includes any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of a liquid nature. It also includes sewers, pipes and other conveyances only if they convey wastewater to a POTW treatment plant. For the purpose of this division, "POTW" shall also include any sewers that convey wastewaters to the POTW from outside the municipality by contract.

(Ord. 89-0101 § 15, 1989.)

20.20.264 - Pretreatment.

"Pretreatment" or "treatment" means the reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater to a less harmful state prior to or in lieu of discharging or otherwise introducing such pollutants into a POTW or other disposal facility. The reduction or alteration can be obtained by physical, chemical or biological processes or process changes by use of an industrial waste treatment facility or other means, except as prohibited by 40 CFR Section 403.6(d).

(Ord. 89-0101 § 16, 1989.)

20.20.270 - Public sewer.

"Public sewer" means a main-line sanitary sewer, dedicated to public use.

(Ord. 6130 Part 2 § 2031, 1952.)

20.20.280 - Radioactive material.

"Radioactive material" is defined to be any material composed of or containing chemical elements which spontaneously change their atomic structure by the emission of alpha or beta particles or gamma rays or any other particles or rays or forms of energy.

(Ord. 6130 Part 2 § 2032, 1952.)

20.20.290 - Rainwater diversion system.

"Rainwater diversion system" means any device designated to prevent the entry of stormwaters into the public sewer system or other waste disposal or treatment systems, and to redirect storm flows to appropriate areas.

(Ord. 11716 § 3, 1978: Ord. 6130 Part 2 § 2032.1, 1952.)

20.20.300 - Saddle.

A. "Wye saddle" means a short pipe-fitting with a shoulder at one end to allow the application of the fitting to a hole tapped in the main-line sewer such that the short pipe shall form a 45-degree angle from the main-line sewer pipe.

B. "Tee saddle" means a short pipe-fitting with a shoulder at one end to allow the application of the fitting to a hole tapped in the main-line sewer such that the short pipe shall form a 90-degree angle from the main-line sewer pipe.

(Ord. 11716 § 2, 1978; Ord. 6982 § 4 (part), 1956: Ord. 6130 Part 2 § 2032.2, 1952.)

20.20.310 - Section.

"Section" means a section of the ordinance codified in this Division 2, unless some other ordinance or statute is mentioned.

(Ord. 6130 Part 2 § 2033, 1952.)

20.20.320 - Seepage pit.

"Seepage pit" means a line-excavation in the ground which receives the discharge of a septic tank, so designed as to permit the effluent from the septic tank to seep through its bottom and sides.

(Ord. 6130 Part 2 § 2034, 1952.)

20.20.330 - Septic tank.

"Septic tank" means a watertight receptacle which receives the discharge from a sewerage system, designed and constructed so as to retain solids, digest organic matter through a period of detention, and allow the liquids to discharge either into the soil outside of the tank through a drainfield system or one or more seepage pits, or into a STEP system.

(Ord. 89-0006 § 3, 1989: Ord. 8690 § 3 (part), 1964: Ord. 6130 Part 2 § 2034.1, 1952.)

20.20.340 - Sewage.

"Sewage" means any waterborne or liquid wastes, including domestic sewage and industrial waste, but does not include or mean stormwater, groundwater, roof or yard drainage.

(Ord. 7519 § 3 (part), 1959: Ord. 6130 Part 2 § 2035, 1952.)

20.20.345 - Sewer disposal.

"Sewer disposal" means the disposal of industrial wastes or other materials into the public sewer system by means of a direct connection to the public sewer system from the premises named in an industrial waste disposal permit.

(Ord. 89-0101 § 17, 1989.)

20.20.350 - Sewage pumping plant.

"Sewage pumping plant" means any works or device used to raise sewage from a lower to a higher level or to overcome friction in a pipeline.

(Ord. 6130 Part 2 § 2036, 1952.)

20.20.360 - Shall and may.

"Shall" is mandatory and "may" is permissive.

(Ord. 6130 Part 2 § 2038, 1952.)

20.20.361 - STEP system.

"STEP system" means a Septic Tank Effluent Pumping system which is a public sewer system, operating under pressure and especially designed to receive effluent from private septic tanks.

(Ord. 89-0006 § 4, 1989.)

20.20.365 - Standard Industrial Classification.

"Standard Industrial Classification" or "SIC" means a classification pursuant to the Standard Industrial Classification Manual issued by the Executive Office of the President, Office of Management and Budget, 1972, as amended.

(Ord. 89-0101 § 18, 1989.)

20.20.370 - Tapping.

"Tapping" means the forming of a tee or wye branch connection to a main-line sewer by installing a tee or wye saddle after the sewer is in place.

(Ord. 6982 § 4 (part), 1956: Ord. 6130 Part 2 § 2039.1, 1952.)

20.20.380 - Tee or T.

"Tee" or "T" means a fitting for a branch on which the spur joins the barrel of the pipe at an angle of approximately 90 degrees.

(Ord. 6130 Part 2 § 2040, 1952.)

20.20.390 - Trunk sewer.

"Trunk sewer" means a sewer under the jurisdiction of a public entity other than the county of Los Angeles.

(Ord. 6130 Part 2 § 2041, 1952.)

20.20.395 - Uncontrolled discharge.

"Uncontrolled discharge" means any discharge, intentional or accidental, occurring in such a manner that the discharger is unable to determine or regulate the quantity, quality or effects of the discharge.

(Ord. 89-0101 § 19, 1989.)

20.20.400 - Waste disposal facility.

"Waste disposal facility" means any dump, solid waste disposal site, transfer station, sanitary landfill, land reclamation project, incinerator (except household incinerators and wood refuse to be burned in a suitable furnace), or other similar site or facility which is used or intended to be used for the acceptance for transfer, salvage or disposal of rubbish, garbage or industrial waste, whether liquid or solid.

(Ord. 11716 § 6, 1978: Ord. 6130 Part 2 § 2041.1, 1952.)

20.20.410 - Water pollution control plant.

"Water pollution control plant" means any works or device for treating sewage except any industrial waste treatment facility, and except any private sewage disposal system covered by the Plumbing Code set out at Title 28 of this code.

(Ord. 11716 § 5, 1978; Ord. 8690 § 2 (part), 1964: Ord. 6130 Part 2 § 2041.2, 1952.)

20.20.420 - Wye or Y.

"Wye" or "Y" means a fitting for a branch on which the spur joins the barrel of the pipe at an angle of approximately 45 degrees.

(Ord. 6130 Part 2 § 2042, 1952.)

Chapter 20.24 - GENERAL PROVISIONS

20.24.010 - Title for citation.

The ordinance codified in Division 2 of this Title 20 shall be known as the "sanitary sewer and industrial waste ordinance," and may be cited as such.

(Ord. 6130 Part 1 § 1001, 1952.)

20.24.020 - Applicability of Division 2 provisions.

The provisions of this Division 2 shall apply to the discharge, deposit or disposal of all wastes, including any material which may cause pollution of underground or surface waters, in, upon or affecting the unincorporated territory of the county of Los Angeles; and the design, construction, alteration, use and maintenance of public sewers and house laterals, industrial connection sewers, water pollution control plants, sewage pumping plants, industrial liquid-waste pretreatment plants, dairy screen-chambers, sand and grease interceptors, and appurtenances; the issuance of permits and the collection of fees therefor, and fees to pay the cost of checking plans, inspecting the construction and making record plans of the facilities permitted hereunder; and providing penalties for violation of any of the provisions of this Division 2.

(Ord. 8690 § 3 (part), 1964; Ord. 7519 § 1 (part), 1959: Ord. 6982 § 1, 1956: Ord. 6130 Part 1 § 1002, 1952.)

20.24.030 - Exceptions to Division 2 applicability.

The provisions of this Division 2 do not apply to any county sanitation district or to any work performed for a county sanitation district, nor do such provisions apply to any municipal water district or county water district that owns and operates public sanitary sewerage facilities within its boundaries, nor to any work performed for such district.

(Ord. 9119 § 1 (part), 1966: Ord. 8023 § 1, 1961: Ord. 6130 Part 1 § 1003, 1952.)

20.24.040 - References to additions and amendments.

Whenever reference is made to any portion of the ordinance codified in this Division 2, such reference applies to all amendments and additions thereto now or hereafter made.

(Ord. 6130 Part 3 § 3001, 1952.)

20.24.050 - Time limits—Extension permitted when.

Any time limit provided for in the provisions of this Division 2 may be extended by mutual written consent of both the officer or department concerned and the permittee or applicant, or other person affected.

(Ord. 7519 § 3 (part), 1959: Ord. 6130 Part 3 § 3009, 1952.)

20.24.060 - Water pollution control facilities—Standards.

Water pollution control plants and facilities shall be designed so as to produce an effect which will not pollute underground or surface waters, create a nuisance, or menace the public peace, health or safety. The county engineer shall consult with the State Regional Water Quality Control Board, health officers and officials of industrial and public agencies, and from time to time promulgate standards which may vary according to location, topography, physical conditions, and other pertinent factors.

(Ord. 11716 § 7, 1978: Ord. 8690 § 3 (part), 1964: Ord. 6130 Part 3 § 3005, 1952.)

20.24.070 - Maintenance of facilities—Applicability of provisions.

A. The requirements contained in Division 2 of this Title 20 covering the maintenance of water pollution control plants, sewage pumping plants, industrial waste pretreatment plants, dairy screen-chambers, waste disposal facility interceptors, or other appurtenances, shall apply to all such facilities now existing or hereafter constructed. All such facilities shall be maintained by the owners thereof in a safe and sanitary condition, and all devices or safeguards which are required by this Division 2 for the operation of such facilities shall be maintained in good working order.

B. This section shall not be construed as permitting the removal or non-maintenance of any devices or safeguards on existing facilities unless authorized in writing by the county engineer.

(Ord. 11716 § 9, 1978: Ord. 8690 § 3 (part), 1964; Ord. 7519 § 3 (part), 1959: Ord. 6130 Part 3 § 3014, 1952.)

20.24.080 - Maintenance of sewers and laterals.

All house laterals, industrial connection sewers, septic tank outlet connections to STEP system, and appurtenances thereto existing as of January 23, 1953, or thereafter constructed, shall be maintained by the owner of the property served in a safe and sanitary condition, and all devices or safeguards which are required by this Division 2 for the operation thereof shall be maintained in good working order. For septic tanks connected to a STEP system, the limits of maintenance responsibility are: a) the septic tank and its outlet pipe up to the point of connection to the STEP pumping unit wet well shall be maintained by the owner of the property served; b) the STEP pumping unit, wet well, pumped discharge piping and mainlines shall be maintained by the public agency established for that purpose; and c) the costs of the electrical power for the STEP pump shall be paid by the owner of the property served.

(Ord. 89-0006 § 5, 1989: Ord. 6130 Part 3 § 3015, 1952.)

20.24.090 - Inspection to ascertain compliance—Access required—Acceptance of permit conditions.

A. The director may inspect, as often as he deems necessary, every main-line sewer, sewage pumping plant, water pollution control plant, industrial waste pretreatment plant or facility, industrial sewer connection, interceptor, dairy screen-chamber, neutralization basin, waste disposal facility, or other similar appurtenances to ascertain whether such facilities are maintained and operated in accordance with the provisions of this Division 2. All persons shall permit and provide the director with access to all such facilities at reasonable times.

B. An applicant, by accepting a permit issued pursuant to this Division 2 does thereby consent and agree to entry upon the premises described in the permit by the director at all reasonable times for the purpose of:

1. Inspection, sampling, flow measurement or examination of records;

2. Placing on the premises devices for monitoring, flow measurement or metering;

3. Inspecting and copying any records, reports, test results or other information required to carry out the provisions of this Division 2; and

4. Photographing any waste, waste container, vehicle, waste treatment process, discharge location, or violation discovered during an inspection.

(Ord. 89-0101 § 20, 1989: Ord. 11716 § 8, 1978: Ord. 8690 § 3 (part), 1964; Ord. 7519 § 3 (part), 1959: Ord. 6130 Part 3 § 3011, 1952.)

20.24.100 - Enforcement—County engineer powers.

The county engineer shall enforce all the provisions of this Division 2, and for such purpose shall have the powers of a peace officer. Such powers shall not limit or otherwise affect the powers and duties of the county health officer.

(Ord. 6130 Part 3 § 3004, 1952.)

20.24.110 - Delegation of powers.

Whenever a power is granted to or a duty is imposed upon the county engineer, the county health officer or other county officer by provisions of this Division 2, the power may be exercised or the duty may be performed by a deputy of the officer or a person authorized pursuant to law by the officer, unless this Division 2 expressly provides otherwise.

(Ord. 6130 Part 3 § 3002, 1952.)

20.24.120 - Identification for inspectors and maintenance personnel.

The county engineer shall provide means of identification of inspectors and sewer maintenance men which shall identify them as such. Inspectors and sewer maintenance men shall identify themselves upon request, when entering upon the work of any contractor or property owner for any inspection or work required by this Division 2.

(Ord. 6130 Part 3 § 3010, 1952.)

20.24.130 - Notice service procedures.

Unless otherwise provided in this Division 2, any notice required to be given by the county engineer under this division shall be in writing, and served in the manner provided in the Code of Civil Procedure for the service of process, or by registered or certified mail. If served by mail, the notice shall be sent to the last address known to the county engineer. Where the address is unknown, service may be made as above provided upon the owner of record of the property.

(Ord. 7519 § 3 (part), 1959: Ord. 6130 Part 3 § 3008, 1952.)

20.24.140 - Obstructing access to facilities prohibited.

No object, whether a permanent structure, or a temporary structure, or any object which is difficult of removal, shall be located on a sewer easement or placed in such a position as to interfere with the ready and easy access to any facility described in Section 20.24.090. Any such obstruction, upon request of the county engineer, shall be immediately removed by the violator at no expense to the county, and shall not be replaced.

(Ord. 9119 § 1 (part), 1966: Ord. 6130 Part 3 § 3012, 1952.)

20.24.150 - Interference with inspectors prohibited when.

No person in the unincorporated area of the county shall, during reasonable hours, refuse, resist or attempt to resist the entrance of the county engineer into any building, factory, plant, yard, field or other place or portions thereof in the performance of his duty within the power conferred upon him by law or by Division 2 of this Title 20.

(Ord. 6130 Part 3 § 3013, 1952.)

20.24.160 - Violation—Penalty.

Every person violating any provision of this Division 2 or any condition or limitation of permit issued pursuant thereto is guilty of a misdemeanor, and upon conviction is punishable by fine not exceeding $1,000.00 or by imprisonment in the County Jail for a period not exceeding six months, or by both such fine and imprisonment.

(Ord. 89-0101 § 21, 1989: Ord. 7519 § 3 (part), 1959: Ord. 6130 Part 3 § 3006, 1952.)

20.24.170 - Continued violations.

Each day during which any violation described in this Division 2 as wilful continues shall constitute a separate offense punishable as provided by this division.

(Ord. 6130 Part 3 § 3007, 1952.)

20.24.175 - Injunctive relief.

The director may seek injunctive relief for noncompliance with any provision of this Division 2 or the conditions and limitations of any permit issued pursuant to this Division 2.

(Ord. 89-0101 § 22, 1989.)

20.24.180 - Severability.

If any provision of the ordinance codified in this Division 2, or the application thereof to any person or circumstance is held invalid, the remainder of the ordinance and the application of such provisions to other persons or circumstances shall not be affected thereby.

(Ord. 6130 Part 3 § 3003, 1952.)

20.24.190 - Discharges to STEP sewer systems.

No person shall make or allow any discharge of any material to a STEP sewer system for which he or she does not have a valid discharge permit pursuant to this Division 2 and to Section 20.36.040.

(Ord. 89-0006 § 6, 1989.)

20.24.200 - Notification of uncontrolled discharges required.

A. In the event of an uncontrolled discharge, the discharger or permittee shall immediately notify the director of the incident by telephone. The notification shall include location of discharge, type of material, concentration and volume, and corrective actions taken.

B. Within 10 days after the uncontrolled discharge, the discharger or permittee shall submit to the director a detailed written report describing the cause of the discharge, corrective action taken and measures to be taken to prevent future occurrences. Such notification shall not relieve the discharger or permittee of liability or fines incurred as a result of the uncontrolled discharge.

(Ord. 89-0101 § 22, 1989.)

20.24.210 - Confidential information—Public access.

Information and data concerning an industrial user obtained from reports, questionnaires, permit applications, permits, monitoring programs and inspections shall be available to the public or other governmental agency without restriction unless the user specifically requests and is able to demonstrate to the satisfaction of the director that the release of such information would divulge information, processes or methods of production entitled to protection as trade secrets of the user. Wastewater constituents and characteristics will not be recognized as confidential information.

(Ord. 89-0101 § 24, 1989.)

Chapter 20.28 - ADMINISTRATION, PERMITS AND FEES

20.28.010 - Permits—Issuance authorized when.

If it appears from the application for any permit required by this Division 2 that the work to be performed thereunder is to be done according to the provisions of this division, the county engineer, upon receipt of the fees hereinafter required, shall issue such permit.

(Ord. 6982 § 5 (part), 1956: Ord. 6130 Part 4 § 4008, 1952.)

20.28.020 - Fees—Records required—Disposition of funds.

The county engineer shall keep in proper books a permanent and accurate account of all fees received under this Division 2, giving the names and addresses of the persons on whose accounts the same were paid, the date and amount thereof, and the number of permits granted, if any, which books shall be open to public inspection. The county engineer shall pay all fees received by him into the county treasury and take the treasurer's receipt therefor.

(Ord. 6130 Part 4 § 4001, 1952.)

20.28.030 - Fees—Estimated valuation procedures.

Whenever the fees required by this Division 2 are based on valuations, the county engineer shall determine the estimated valuation in all cases, and for such purposes he shall be guided by approved estimating practices.

(Ord. 6541 § 2 (part), 1954: Ord. 6130 Part 4 § 4003, 1952.)

20.28.040 - Fees—County work exempt when.

Neither the county of Los Angeles nor any public officer or body acting in his official capacity on behalf of this county shall be required by this Division 2 to pay or deposit any fee. This section does not apply where a public officer is acting with reference to private assets which have come under his jurisdiction by virtue of his office.

(Ord. 11716 § 10, 1978: Ord. 8690 § 4 (part), 1964: Ord. 6130 Part 4 § 4002, 1952.)

20.28.050 - Fees—Reimbursement authorized when—Procedures for awarding contracts.

A. The county engineer may recommend that the board, by the adoption of a resolution or the approval of an agreement, authorize reimbursement to a subdivider, school district, special assessment district or person, either by direct payment or deferred reimbursement, for a portion of the cost of constructing sanitary sewers for public use where such sewers can or will be used by areas outside of the area for which the sewers are being installed; such authorization action shall conform with the requirements of the applicable state laws, shall include the establishment of a reimbursement district and collection rates to be applied, and shall provide that notice be published inviting sealed bids on the work proposed and that the bids be publicly opened.

B. The procedure for the receipt of bids and the award of contract for work to be done by a special assessment district or any public agency directly controlled by state law shall be as required by the particular laws applicable; for all other projects, the county engineer shall receive and analyze the bids, and authorize the principals involved to award the contract to the lowest responsible bidder. In the event that the low bid received exceeds the engineer's estimate by more than 10 percent, the county engineer shall notify the principals involved of the increase over the estimated cost. If the principals involved and the county engineer agree, the contract may be awarded to the lowest responsible bidder, otherwise all bids shall be rejected and the proposal readvertised for new bids.

(Ord. 10020 § 3 (part), 1970: Ord. 9119 § 1 (part), 1966: Ord. 8690 § 5, 1964: Ord. 6130 Part 4 § 4007.1, 1952.)

20.28.060 - Certificate of final inspection—Conditions.

When it appears to the satisfaction of the county engineer that all work done under the permit has been constructed according to and meets the requirements of all the applicable provisions of this Division 2, and that all fees have been paid, the county engineer, if requested, shall cause to be issued to the permittee constructing such work a certificate of final inspection. The certificate shall recite that such work as is covered by the permit has been constructed according to this Division 2, and that said work is in an approved condition.

(Ord. 6982 § 5 (part), 1956: Ord. 6130 Part 4 § 4009, 1952.)

20.28.070 - Refund procedures.

A. In the event that any person shall have paid a fee as required under the sections set forth below and no work or processing has been done on these functions by the county engineer and the project has been formally abandoned or cancelled, such person, upon presentation to the county engineer of a request in writing, on special provided forms, shall be entitled to a refund in an amount to 80 percent of the fee actually paid:

Section	Type of Fee
20.32.120	Sewer construction permit fees—Table 1
20.32.200	Tap fee
20.32.210	Manhole reconstruction inspection charges
20.32.230	Plan checking fees
20.32.240	Sewer easement processing fees
20.32.250	Special studies—Preparation and checking fees
20.32.260	Reimbursement processing fees
20.32.280	Charges for sewer maintenance
20.36.230	Industrial waste disposal permit—Application fee—Schedule.

B. In the event that the county engineer has commenced any plan checking or other work for which a fee was paid, or the contractor has commenced work on the construction, no portion of the fee shall be refunded.

C. Refund requests must be submitted within a one-year period after the date the fee was paid.

D. The county engineer shall satisfy himself as to the right of such person to a refund, and each refund shall be paid as provided by law for the payment of claims against the county.

(Ord. 11716 § 11, 1978: Ord. 10020 § 3 (part), 1970: Ord. 8690 § 4 (part), 1964: Ord. 6541 § 2 (part), 1954: Ord. 6130 Part 4 § 4005, 1952.)

20.28.080 - Educational work—Performance authorized when.

The county engineer may perform educational work, and may cooperate with civic organizations, industries, water companies and public agencies whenever, in the opinion of the county engineer, such work and cooperation is essential to the development of standards or procedures which will prevent creation of a public nuisance, or menace to the public health or safety, or pollution of underground or surface waters.

(Ord. 6130 Part 4 § 4006, 1952.)

20.28.090 - Joint action with other public agencies.

The county engineer may contact, confer, and negotiate with officials of any public agency and may recommend to the board a contract by which the county and one or more public agencies may jointly exercise any powers pertinent to the enforcement of the provisions of this Division 2 and any similar statute, ordinance, rule or regulation of such public agencies, common to all. The county engineer may enter into agreements with other public agencies for the purpose of control of industrial waste disposal and may in conjunction with such agencies issue joint permits for industrial waste disposal to satisfy the requirements of Division 2 of this title. The county engineer may also recommend to the board a contract between the county and any city within the county.

(Ord. 11716 § 12, 1978: Ord. 6130 Part 4 § 4007, 1952.)

Chapter 20.32 - SANITARY SEWERS

Part 1 - SEWER CONSTRUCTION PERMIT

20.32.010 - Required when—Period of validity.

A. No person other than the person specifically excepted by this Division 2 shall commence, do or cause to be done, construct or cause to be constructed, use or cause to be used, alter or cause to be altered any public sewer, main-line sewer, house lateral, sewage pumping plant, water pollution control plant, or other similar appurtenance in the County of Los Angeles without first obtaining a sewer construction permit from the County Engineer.

B. A sewer construction permit issued by the County Engineer shall expire if the work authorized by such permit is not commenced within sixty (60) days from the date of issuance or said work is not diligently prosecuted to completion, as determined by the County Engineer. When the plans are approved in accordance with an agreement with another governmental agency or with the County for a subdivision as required by the Subdivision Ordinance set out at Title 21 of this code, the permit shall be valid for the period specified in the agreement.

C. The County Engineer shall have the discretion to extend the expiration date of a sewer construction permit up to two (2) times, upon written request by the permittee submitted to the County Engineer prior to the date of expiration of the permit, demonstrating that the work for which the permit was issued was delayed because of inclement weather, strikes, acts of God, or other causes not within the control of the permittee. Each extension period shall be limited to a period of sixty (60) days from the date the permit is set to expire. The permittee must pay a non-refundable permit extension fee with each extension request in the amount equivalent to the issuance fee prescribed pursuant to Section 16.10.020 of this code, provided no changes have been made to the original application and plans for such work. The permit application and plans shall be kept on file for thirty (30) days after expiration of the permit.

D. Permits for sewer construction issued under the authority of Title 16, Division 1 of this code are non-transferable.

(Ord. 2011-0008 § 1, 2011: Ord. 11716 § 13, 1978: Ord. 10020 § 3 (part), 1970: Ord. 8690 § 6 (part), 1964: Ord. 6130 Part 5 Ch. 1 § 5101, 1952.)

20.32.020 - Not required when.

The provisions of this Division 2 requiring permits shall not apply to contractors constructing public sewers and appurtenances under contracts awarded by the board and entered into under proceedings had or taken pursuant to any of the special procedure statutes of this state providing for the construction of sewers and the assessing of the expense thereof against the lands benefited thereby, or under contracts between the contractor and board of supervisors.

(Ord. 8023 § 2, 1961: Ord. 6130 Part 5 Ch. 1 § 5102, 1952.)

20.32.030 - Application—Form and contents.

A. Any person requiring a sewer construction permit shall make written application to the county engineer.

B. The county engineer shall provide printed application forms for the permits provided for by this Division 2, indicating thereon the information to be furnished by the applicant. The county engineer may require, in addition to the information furnished by the printed form, any additional information from the applicant which will enable the county engineer to determine that the proposed work or use complies with the provisions of this Division 2.

(Ord. 8690 § 6 (part), 1964: Ord. 6130 Part 5 Ch. 1 § 5104, 1952.)

20.32.040 - Plan approval prerequisite to issuance.

No sewer construction permit shall be issued until the county engineer has checked and approved the plans in accordance with Section 20.32.420 and the other applicable provisions of this Division 2.

(Ord. 10020 § 3 (part), 1970: Ord. 8690 § 6 (part), 1964: Ord. 6130 Part 5 Ch. 1 § 5108, 1952.)

20.32.050 - Tapping fee payment required when.

A. When, in the opinion of the county engineer, it is necessary to connect a house lateral to a public sewer at a point where no connection facility has been provided, application for a public sewer tap shall be submitted and a fee for tapping the public sewer shall be paid by the applicant before the permit is issued for the construction of the house lateral. All tapping of public sewers, except trunk sewers, shall be performed by the county engineer.

B. Exception: Tapping of the public sewer as required on sewer plans approved by the county engineer shall be constructed by a licensed contractor.

(Ord. 6982 § 5 (part), 1956: Ord. 6130 Part 5 Ch. 1 § 5105, 1952.)

20.32.060 - Permit from other agencies required when.

Before granting any permit for the construction, installation, repair or removal of any sewer, or appurtenances thereto, which will necessitate any excavation or fill, in, upon or under any public street, highway or right-of-way under the jurisdiction of another public agency, the county engineer shall require the applicant to first obtain a permit from the agency having jurisdiction.

(Ord. 10020 § 3 (part), 1970: Ord. 8690 § 6 (part), 1964: Ord. 6130 Part 5 Ch. 1 § 5106, 1952.)

20.32.070 - Requirements for pumping and treatment plants.

Before granting a permit for the construction of any sewage pumping plant or water pollution control plant, the county engineer shall check and approve the plans or required modification thereof as to their compliance with county, state and other governmental laws or ordinances, and shall require that the facilities be adequate in every respect for the use intended.

(Ord. 8690 § 3 (part), 1964; Ord. 6130 Part 5 Ch. 1 § 5109, 1952.)

20.32.080 - Excessive discharge of sewage—Conditional permit requirements.

A. Any person proposing to have sewage discharged from any property to a public sewer in quantities or at a rate greater than the capacity for which the sewer was designed, when proportioned to such property, and which such additional quantity will immediately overload the sewer, shall be denied a permit to connect any facilities to the sewer which will discharge more than the proportionate share allotted to the property. However, if such additional discharge will not immediately but may in the future overload the sewer, a conditional permit to connect to the sewer may be issued after the owner of the property agrees by a covenant satisfactory to the county engineer recorded against the land to construct or to share in the cost of construction of additional sewer capacity at such future time as the county engineer determines that an overload situation exists or is imminent.

B. The owner of the property shall supply a faithful performance bond guaranteeing compliance with the terms of the covenant, in a penal sum which, in the opinion of the county engineer, equals the future cost of construction of sewer facilities to carry such additional discharge.

C. The faithful performance bond shall be kept in full force and effect until such additional discharge is discontinued or until such additional sewer facilities are completed, and this obligation shall pass to succeeding owners of the property.

D. If any owner fails to supply and keep in effect the required faithful performance bond or fails to comply with the terms of the covenant, the conditional permit allowing such additional discharge may be revoked, and the continuing of such additional discharge thereafter will constitute a violation of this Division 2.

E. The provisions of this section shall also apply to any property previously connected to a public sewer, the discharge from which is later proposed to be increased or is found to have been increased substantially beyond the proportionate share of public sewer capacity allotted to the property.

F. The provisions of this section do not apply to properties subject to the requirements of Ordinance 7888, entitled "West Hollywood and Sherman Sewer Charge Ordinance," and set forth in Division 3 of this title, nor to properties subject to any similar ordinance now or hereafter enacted which requires payment for such additional sewer capacity prior to the issuance of a building or sewer connection permit.

(Ord. 10020 § 3 (part), 1970: Ord. 8690 § 6 (part), 1964: Ord. 6130 Part 5 Ch. 1 § 5110, 1952.)

20.32.090 - Permit for use of temporary facilities—Conditions.

The county engineer may issue sewer connection permits for two or more buildings to be served by a temporary private sewage disposal system if all of the following conditions have been met:

A. The sewer collection system has been constructed in accordance with the provisions of this Division 2;

B. A permanent sewage disposal system has been approved as to concept, plans and land use by all state and local regulatory agencies having jurisdiction;

C. The construction of a permanent sewage disposal system has been guaranteed to the satisfaction of the county engineer and the director of health services, either by the posting of bonds in accordance with the Subdivision Ordinance set out at Title 21 of this code, or by other satisfactory assurances;

D. The temporary sewage disposal system is approved by the county engineer, the director of public health, and all other state and local regulatory agencies having jurisdiction. The conditions for such approvals shall include a stated time limit for the use of such temporary system, and shall provide for the termination of such use and the connection to the guaranteed permanent sewage disposal system;

E. A cash deposit in an amount established by the county engineer has been deposited with the county engineer to insure the satisfactory maintenance of the temporary sewage disposal system;

F. Provision has been made for the inclusion of the area served by the temporary sewage disposal system in a sewer maintenance district or other taxing entity capable of generating adequate maintenance and operational funds in the event that public operation of the temporary system should become necessary.

(Ord. 2006-0040 § 109, 2006: Ord. 10757 § 1, 1973: Ord. 6130 Part 5 Ch. 1 § 5111, 1952.)

20.32.100 - Non-transferability of permits.

Permits issued under Part 1 of this chapter are not transferable from one person to another person or from one location to another location.

(Ord. 6130 Part 5 Ch. 1 § 5103, 1952.)

Part 2 - FEES AND DEPOSITS

20.32.110 - Connection to public sewer—Payment of fees required.

Any person desiring to connect any lot to a public sewer shall, as a prerequisite to obtaining the permits required by the Plumbing Code set out at Title 25, pay all fees or charges which may be required by Sections 20.32.130, 20.32.150, 20.32.170 and 20.32.200 of this chapter.

(Ord. 10020 § 3 (part), 1970: Ord. 6130 Part 5 Ch. 2 § 5203, 1952.)

20.32.120 - Sewer construction permit fees—Table 1.

Before granting any permit for the construction of main-line sewer, house lateral sewer, water pollution control plant, sewage pumping plant, and whenever a permit for any industrial waste treatment or disposal facility is required by the County Engineer, the County Engineer shall collect the following fees from the applicant to cover the cost of permit application review, processing, field inspection of the proposed construction, procuring or preparing record plans, automobile mileage, and all overhead and indirect costs:

Table I: Inspection and Record Plan Fees

For a Total Valuation of Proposed Work	Permit Fee
$ 600.00 or less	$111.00
601.00 to $ 1,000.00	214.00
1,001.00 to 1,500.00	342.00
1,501.00 to 2,000.00	481.00
2,001.00 to 2,500.00	611.00
2,501.00 to 3,000.00	726.00
3,001.00 to 3,500.00	848.00
3,501.00 to 4,000.00	969.00
4,001.00 to 4,500.00	1,089.00
4,501.00 to 5,000.00	1,192.00
5,001.00 to 6,000.00	1,401.00
6,001.00 to 7,000.00	1,584.00
7,001.00 to 8,000.00	1,753.00
8,001.00 to 9,000.00	1,912.00
9,001.00 to 10,000.00	2,057.00

A. For each $1,000.00, or fractional part thereof, of the total valuation of the proposed work in excess of $10,000.00 and not exceeding $50,000.00, an additional $145.00;

B. For each $1,000.00, or fractional part thereof, of the total valuation of the proposed work in excess of $50,000.00 and not exceeding, $100,000.00, an additional $111.00;

C. For each $1,000.00, or fractional part thereof, of the total valuation of the proposed work in excess of $100,000.00, an additional $86.00;

D. For additional work approved by the County Engineer but not included in the original permit, the applicant shall pay a base fee of $22.00 and an additional fee of $22.00 for each $100.00, or fractional part thereof, of the total valuation of such additional work.

E. The fees set forth in this section shall be reviewed annually by the County Engineer. Beginning on July 1, 2011, and thereafter on each succeeding July 1st, the amount of each fee shall be adjusted as follows: Calculate the percentage movement between March of the previous year and March of the current year in the Consumer Price Index (CPI) for all urban consumers in the Los Angeles-Long Beach-Anaheim areas, as published by the United States Government Bureau of Labor Statistics; adjust each fee by said percentage amount; and round up to the nearest dollar. No adjustment shall increase or decrease any fee to an amount more or less than the amount necessary to recover the reasonable cost of providing the services for which the fee is imposed. When it is determined that the amount reasonably necessary to recover the cost of providing the services for which the fees are imposed is in excess of this adjustment, the County Engineer may present fee proposals to the Board of Supervisors for approval.

(Ord. 2011-0008 § 2, 2011: Ord. 11716 § 15, 1978: Ord. 10020 § 4 (part), 1970; Ord. 8690 §§ 7 and 3 (part), 1964; Ord. 7314 § 1, 1958: Ord. 6982 § 6, 1956; Ord. 6541 § 2 (part), 1954: Ord. 6130 Part 5 Ch. 2 § 5202, 1952.)

* Editor's note: Fee changes in this section were made by the director of public works due to increases in the Consumer Price Index and are effective July 1, 2022.

20.32.121 - Suspension or revocation.

The County Engineer may, in writing, suspend or revoke a sewer construction permit whenever the County Engineer determines that the permit was issued in error, on the basis of incorrect information, or the permit is in violation of any ordinance or any other provision of this code.

(Ord. 2011-0008 § 3, 2011.)

20.32.122 - Investigation fee for work without permit.

In addition to being subject to any and all penalties prescribed by law, including under this code, any person failing to obtain a sewer construction permit as required by Section 20.32.010 of this code shall pay an investigation fee in the amount determined by the County Engineer to be necessary to recover all costs incurred in investigating the failure to obtain a sewer construction permit. The County Engineer shall have the discretion to waive the investigation fee in instances when the County Engineer determines that the work performed without a permit was performed as a result of an emergency or urgent circumstances which precluded timely application for a sewer construction permit provided that an application for a sewer construction permit is filed as soon as possible following the commencement of the unpermitted work and all of the requirements for a sewer construction permit are met. This section shall not be construed to authorize any work that requires a sewer construction permit to be performed without a sewer construction permit.

(Ord. 2011-0008 § 4, 2011.)

20.32.130 - Connection charges—Designated.

A. No permit shall be issued for the direct connection of any lot to a public sewer which has been constructed at no cost to such lot, or to a trunk sewer in which capacity has been assigned by the owner thereof to the county of Los Angeles until, in addition to any other fees required by this Division 2 and by the Plumbing Code set out at Title 28, there has been paid a connection charge in an amount equal to $12.00 per front foot of the lot sought to be connected if said lot is rectangular and has an average depth of 100 feet or more. If the shape of lot is other than the usual rectangular shape, or unusual in area, and the strict adherence to the above mentioned provision would require payment of an amount not commensurate with the benefits to be received, the provisions of this section as to the amount to be charged may be modified as determined by the county engineer. In no case shall the charge be less than $300.00, unless reduced by the charges of another public entity as provided in Section 20.32.160.

B. Property owned by a public entity and being used by such entity in the performance of a governmental function is exempt from the requirements of this section.

(Ord. 81-0043 § 1, 1981: Ord. 11716 § 17, 1978: Ord. 10020 § 3 (part), 1970: Ord. 7314 § 3, 1958: Ord. 6130 Part 5 Ch. 2 § 5204, 1952.)

20.32.140 - Connection charges—Sewers constructed under federal aid exempt.

When a public sewer has been constructed under federal aid, any lot to be connected to such sewer shall be exempt from the connection charge specified by Section 20.32.130.

(Ord. 10020 § 3 (part), 1970: Ord. 7314 § 4 (part), 1958: Ord. 6130 Part 5 Ch. 2 § 5204.1, 1952.)

20.32.150 - Area and connection charges in reimbursement districts.

A. If any property is in a sewer reimbursement district which has been formed by the board in accordance with Section 20.28.050, no permit shall be issued for the connection of such property to a public sewer until, in addition to any other fees required by this ordinance and by the Plumbing Code set out at Title 28, all area charges and frontage charges required by this section have been paid.

B. An area charge computed by the area rates established for the reimbursement district shall be collected, whether or not additional public sewer is being constructed to serve the property. If the property is in more than one reimbursement district, an area charge shall be collected for each district.

C. Additionally, if the reimbursement agreement provides for frontage reimbursement, any lot located in the frontage reimbursement area and seeking direct house connection to any public sewer shall pay a reimbursement district connection charge in the amount specified below.

D. The reimbursement district connection charge shall be computed at the rate of $7.00 per front foot of the lot sought to be connected, with the frontage to be determined as provided in Section 20.32.130, but in no case shall be charged less than $200.00.

E. If a reimbursement district connection charge is collected as provided in this section, then the connection charge required by Section 20.32.130 shall not be collected.

(Ord. 11716 § 18, 1978: Ord. 10020 § 3 (part), 1970: Ord. 8690 § 8 (part), 1964: Ord. 7314 § 4 (part), 1958: Ord. 6130 Part 5 Ch. 2 § 5204.2, 1952.)

20.32.160 - Reduction of charges for payments to other entities.

In the event that any public entity requires a connection charge or fee for use of a trunk sewer prior to the issuance of a permit by the county engineer, the charge in the amount required in Section 20.32.130 shall be reduced by the amount of the charge or connection fee made by the public entity, or shall be waived if such other charge or fee is greater than the amount herein required.

(Ord. 7314 § 4 (part), 1958: Ord. 6130 Part 5 Ch. 2 § 5204.3, 1952.)

20.32.170 - Connections to trunk sewers—Permit requirements.

No permit shall be issued for the direct connection of any lot to a trunk sewer until the applicant has first obtained a permit for such connection from the owner of such trunk sewer.

(Ord. 11716 § 19, 1978: Ord. 10020 § 3 (part), 1970: Ord. 6130 Part 5 Ch. 2 § 5205, 1952.)

20.32.180 - Sewer connection permit—Determination of capacity—Agreement on future assessments.

A. No permit shall be issued for the direct connection of any lot to a public sewer which was not designed for and intended to directly serve such lot unless the county engineer first determines that there is additional capacity available in such sewer beyond that required to serve the property for which it was designed.

B. Further, if such lot may in the future be included in a special assessment improvement district which would provide sewers for such lot and adjoining area, such connection permit shall not be issued until the connection charge specified by Section 20.32.130 and any other applicable charges have been paid, and the property owner has executed and recorded in the office of the county recorder a waiver which states that he will not protest inclusion in, and will pay the assessment for, such improvement district. Such waiver and agreement shall be part of the conditions of ownership of the property and shall be binding on all heirs, successors and assigns to the property.

(Ord. 10020 § 3 (part), 1970: Ord. 9119 § 1 (part), 1966: Ord. 7314 § 5 (part), 1958: Ord. 6130 Part 5 Ch. 2 § 5206, 1952.)

20.32.190 - Sewer connection permit—Charges for portions of property.

Whenever a sewer connection permit is requested for only a portion of a lot and the county engineer finds that only such portion will be benefited by a sewer connection, and that both the area of such portion and the remaining area of such lot conform to the requirements of the Zoning Ordinance as set forth in Title 22 of this code, a house sewer connection permit may be issued for such portion and all charges required by this ordinance shall be based on the dimensions of such portion.

(Ord. 10020 § 3 (part), 1970: Ord. 7314 § 5 (part), 1958: Ord. 6130 Part 5 Ch. 2 § 5207, 1952.)

20.32.200 - Tap fee.

The county engineer shall collect from the applicant a fee of $154.00 to tap the public sewer, which shall include the installation of a saddle furnished by the applicant but no excavation, backfill or resurfacing.

(Ord. 84-0109 § 1, 1984: Ord. 11716 § 14, 1978: Ord. 10020 § 3 (part), 1970: Ord. 6982 § 5 (part), 1956: Ord. 6130 Part 5 Ch. 2 § 5201, 1952.)

20.32.210 - Manhole reconstruction inspection charges.

A. A permit shall be obtained from the county engineer wherever construction, reconstruction or adjustment is to be performed adjacent to an existing sewer manhole, to ascertain that the sewer lines and manholes have been thoroughly cleaned and the manholes have been satisfactorily constructed, reconstructed or adjusted to county standards.

B. This inspection is also required for construction of industrial waste measuring manholes, reconstruction or adjustment of any portion of a manhole due to service connections or grading or paving operation, or any other work which in the opinion of the county engineer may cause damage to a manhole.

C. The fee shall be $56.00 for the first manhole and $28.00 each for each additional manhole. These fees shall cover the costs of field inspection, automobile mileage, and all overhead and indirect costs.

(Ord. 11716 § 16, 1978: Ord. 7314 § 2, 1958: Ord. 6130 Part 5 Ch. 2 § 5202.1, 1952.)

20.32.220 - Future assessments for additional benefits.

In the event that any lot which has paid any charges required under Section 20.32.110 receives additional benefit from any public or trunk sewer, nothing contained in Part 2 of this chapter shall relieve the property owner from future payment of charges as herein provided nor from a special assessment levied under a statute of the state of California for such additional benefit.

(Ord. 10020 § 3 (part), 1970: Ord. 7314 § 7 (part), 1958: Ord. 6130 Part 5 Ch. 2 § 5210, 1952.)

20.32.230 - Plan checking fees.*

Any person required by Chapter 20.32 of this division to have plans checked and processed shall pay to the director of public works the following fee or fees for the service:

1. If the total valuation of the proposed work, as determined by the director of public works, is $5,000.00 or less, the plan checking fee will be $1,826.00;

2. For each $100.00 or fractional part thereof of the total valuation of the proposed work in excess of $5,000.00, and not exceeding $20,000.00, an additional 16.49 percent;

3. For each $100.00 or fractional part thereof of the total valuation of the proposed work in excess of $20,000.00, an additional 13.55 percent;

4. If any portion of the plans, or specifications, including changes in materials after having been checked, or after being approved and signed by the county engineer are required to be redrawn, rechecked or revised, the applicant shall pay a rechecking fee in the amount of the estimated cost of doing the work as determined by the county engineer;
5. If the plans have been submitted three times for checking and are not ready for approval, the applicant shall pay for each additional submittal a fee in the amount of the estimated cost of doing the work as determined by the county engineer;
6. If any portion of plans which have been abandoned or which have expired pursuant to Section 20.32.420 are resubmitted, the applicant shall pay a fee as if work was new.

Beginning on July 1, 2003, and thereafter on each succeeding July 1, the amount of each fee in this section shall be adjusted by the lesser of 1) the increase, if any, in the Consumer Price Index (CPI) for all urban consumers in the Los Angeles-Long Beach-Anaheim areas, as published by the United States Government Bureau of Labor Statistics, from March of the previous calendar year to March of the current calendar year, or 2) the increase, if any, in the cost of providing the service for which the fee is collected, as confirmed by the Auditor-Controller; the adjusted fee shall be rounded to the nearest dollar; provided, however, notwithstanding any of the above, no fee shall exceed the cost of providing the service for which the fee is collected.

(Ord. 2005-0033 § 7, 2005: Ord. 2003-0017 § 4, 2003: Ord. 90-0067 § 2, 1990: Ord. 81-0043 § 2, 1981: Ord. 11716 § 20, 1978: Ord. 10020 § 3 (part), 1970: Ord. 8690 § 8 (part), 1964: Ord. 6541 § 3 (part), 1954: Ord. 6130 Part 5 Ch. 2 § 5217, 1952.)

* Editor's note: Fee changes in this section were made by the director of public works due to increases in the Consumer Price Index and are effective July 1, 2022.

20.32.240 - Sewer easement processing fees.*

A. For each private contract requiring the processing of sewer easements, the county engineer shall collect from the applicant a fee of $1,047.00 for the first parcel description and title report, and $493.00 for each additional parcel through which a sewer easement is required. In the event it is necessary to revise the description and/or title report due to realignment or revision of the easement, the county engineer shall collect an additional fee of $634.00 for each parcel.

B. For each private contract requiring the vacation of a sewer easement, the county engineer shall collect from the applicant a minimum fee of $3,009.00. In the event it is necessary to revise the boundary of the proposed vacation due to any revisions submitted by the applicant, the county engineer shall collect an additional fee of $220.00 for each revision.

C. Beginning on July 1, 2005, and thereafter on each succeeding July 1, the amount of each fee in this section shall be adjusted by the lesser of: (1) the increase, if any, in the Consumer Price Index (CPI) for all urban consumers in the Los Angeles-Long Beach-Anaheim areas, as published by the United States Government Bureau of Labor Statistics, from March of the previous calendar year to March of the current calendar year, or (2) the increase, if any, in the cost of providing the service for which the fee is collected, as confirmed by the auditor-controller. The adjusted fee shall be rounded to the nearest dollar; provided, however, notwithstanding any of the above, no fee shall exceed the cost of providing the services for which the fee is collected.

(Ord. 2004-0029 § 1, 2004: Ord. 90-0067 § 3, 1990: Ord. 81-0043 § 3, 1981: Ord. 11903 § 1, 1979: Ord. 11716 § 21, 1978: Ord. 8690 § 8 (part), 1964: Ord. 7314 § 9 (part), 1958: Ord. 6541 § 3 (part), 1954: Ord. 6130 Part 5 Ch. 2 § 5218, 1952.)

* Editor's note: Fee changes in this section were made by the director of public works due to increases in the Consumer Price Index and are effective July 1, 2022.

20.32.250 - Special studies—Preparation and checking fees.

A. Before proceeding with the preparation of an area, reimbursement, or other special study, the county engineer shall collect from the person making the request for the work a fee in the amount of the estimated cost of doing the work, as determined by the county engineer, but not less than $350.00.

B. If the cost of doing the work exceeds the fee originally collected, a supplemental fee shall be collected to cover the additional cost as determined by the county engineer.

C. If the county engineer determines that a flow measurement of this existing system is required, there will be an additional minimum fee of not less than $600.00 per manhole.

D. Studies prepared by others and submitted for checking by the county engineer shall be subject to the fee requirements stated above, except that the minimum fee shall be $200.00.

(Ord. 90-0067 § 4, 1990: Ord. 81-0043 § 5, 1981: Ord. 10020 § 3 (part), 1970: Ord. 8960 § 8 (part), 1964: Ord. 6541 § 3 (part), 1954: Ord. 6130 Part 5 Ch. 2 § 5220, 1952.)

20.32.260 - Reimbursement processing fees.

For each private contract requiring reimbursement under Section 20.28.050, the applicant shall pay, in addition to the plan checking fee, a fee of $2,000.00 for the preparation of reimbursement documents and maps. If the cost of doing the work exceeds $2,000.00, a supplemental fee shall be collected to cover the additional cost, as determined by the county engineer.

(Ord. 90-0067 § 5, 1990: Ord. 81-0043 § 4, 1981: Ord. 11716 § 22, 1978: Ord. 10020 § 3 (part), 1970: Ord. 8690 § 8 (part), 1964: Ord. 6541 § 3 (part), 1954: Ord. 6130 Part 5 Ch. 2 § 5219, 1952.)

20.32.270 - Charges for maintenance district annexation, formation, exclusions and dissolutions.

A. Any person who desires to place a newly constructed public sewer system in operation, and the property so benefited is not within a maintenance district, shall pay a charge as determined by the county engineer to cover the cost of processing, including the necessary state of California processing fee, the annexation or formation.

B. There will be no charges under this section for processing the dissolution of a maintenance district or the exclusion of any portion of a maintenance district.

C. If the sum collected is for processing an annexation to an existing maintenance district, it shall be deemed to have been appropriated for the year in which the sum was collected, and shall be transferred to the county treasurer and credited to the funds of such district.

D.

E. If the sum collected is for the formation of a new maintenance district, it shall be deemed to have been appropriated for the year in which the sum was collected, and shall be placed in trust and expended therefrom for the purposes intended. The remainder of such sum, if any, shall be credited to the new district when formed.

(Ord. 11716 § 25, 1978: Ord. 6130 Part 5 Ch. 2 § 5223, 1952.)

20.32.280 - Charges for sewer maintenance.

A. Any person who desires to place a newly constructed public sewer system in operation prior to the availability of sewer maintenance revenue from the property to be served by such sewer system, shall pay a sewer maintenance charge in an amount determined by the county engineer to cover such cost of maintaining such system from the time the sewer is placed in operation until the property so benefited is included in a maintenance district and revenue becomes available.

B. Such charge shall be computed by multiplying $4.17 by the number of manholes to be constructed by the number of months before the property benefited can be included in a maintenance district and revenue becomes available.

C. If a sewage pumping plant or a water pollution control plant is included in the computations, an additional sum shall be paid as determined by the county engineer to cover the maintenance and operation costs until the property benefited can be included in a maintenance district and revenue becomes available.

D. If the newly constructed sewers are in an area served by an existing sewage pumping plant or water pollution control plant, an additional sum shall be paid as determined by the county engineer to cover the additional maintenance and operation costs until the property benefited can be included in the maintenance district and revenue becomes available.

E. If the property benefited is to be annexed to an existing maintenance district, the sum collected shall be deemed to have been appropriated for the year in which the sum was collected and shall be transferred to the county treasurer and credited to the funds of such district.

F. If a new maintenance district is to be formed, the sum collected shall be deemed to have been appropriated for the year in which the sum was collected and shall be placed in trust and expended therefrom for the purposes intended. The remainder of such sum, if any, shall be credited to the new district when formed.

(Ord. 84-0109 § 2, 1984: Ord. 11716 § 24, 1978: Ord. 9119 § 1 (part), 1966: Ord. 8690 § 9, 1964: Ord. 6130 Part 5 Ch. 2 § 5222, 1952.)

20.32.290 - Cesspool truck disposal fee.

Operators of cesspool pump trucks desiring to discharge the contents of their tanks into facilities provided at county maintenance yards, in conformance with Section 20.32.650, may do so upon payment of a disposal fee of $3.00 for each truck load.

(Ord. 11716 § 23, 1978: Ord. 7314 § 10, 1958: Ord. 6130 Part 5 Ch. 2 § 5221, 1952.)

20.32.300 - Deposit of collected moneys.

A. Except as otherwise provided in this Division 2, all money received under Sections 20.32.130, 20.32.200 and 20.32.290 shall be deposited with the county treasurer and credited to the special sewer maintenance fund.

B. All money received under Section 20.32.270 shall be deposited in trust for transfer to the appropriate reimbursement "deferred accounts receivable" fund, or to the subdivider, school district or person, in accordance with the terms of the agreement entered into between the contractor and the board as set forth in Section 20.28.050.

(Ord. 9119 § 1 (part), 1966: Ord. 8690 § 8 (part), 1964: Ord. 7314 § 7 (part), 1958: Ord. 7026 § 1, 1956: Ord. 6982 § 7.5, 1956: Ord. 6130 Part 5 Ch. 2 § 5212, 1952.)

20.32.310 - Special sewer maintenance fund—Use restrictions.

Money deposited in the special sewer maintenance fund, as provided in Section 20.32.300, may be expended by the county engineer, contingent upon receipt and availability of such funds, to accomplish the purpose set forth in Section 5471 of the Health and Safety Code, for which no other provisions have been made or for such other sewer purposes that the board of supervisors may authorize not in conflict with existing laws.

(Ord. 7314 § 7 (part), 1958: Ord. 6982 § 9, 1956: Ord. 6130 Part 5 Ch. 2 § 5213, 1952.)

20.32.320 - Recordkeeping requirements.

The county engineer shall keep a permanent record of all applications and a permanent and accurate account of all payments received under Sections 20.32.130 and 20.32.150 of this chapter.

(Ord. 7314 § 7 (part), 1958: Ord. 6130 Part 5 Ch. 2 § 5211, 1952.)

Part 3 - DESIGN STANDARDS

20.32.330 - New main-line sewers.

New main-line sewers shall conform to the requirements of Part 3 of this chapter unless otherwise specifically excepted.

(Ord. 6130 Part 5 Ch. 6 § 5601, 1952.)

20.32.340 - Water pollution control and sewage pumping plants.

New water pollution control plants and sewage pumping plants shall conform to the requirements of Part 3 of this chapter unless otherwise specifically excepted.

(Ord. 8690 § 3 (part), 1964: Ord. 6130 Part 5 Ch. 6 § 5602, 1952.)

20.32.350 - New house laterals.

New house laterals shall conform to the requirements of Part 3 of this chapter unless otherwise covered by the Plumbing Code, set out at Title 28, of this code, as amended.

(Ord. 6130 Part 5 Ch. 6 § 5603, 1952.)

20.32.360 - Condominium sewers.

New condominium developments shall be served with main-line sewers and house lateral sewers such that each building will have a separate and independent connection to a main-line sewer.

(Ord. 11716 § 27, 1978: Ord. 6130 Part 5 Ch. 6 § 5625, 1952.)

20.32.370 - Large lots—Sewer service requirements.

Where a lot is of sufficient size that the Zoning Ordinance, as set out at Title 22 of this code, does not prohibit its division into smaller parcels, each of such possible parcels into which such lot legally may be divided, upon which one or more buildings containing plumbing facilities are or may be located, shall be considered as a separate lot. Separate house laterals shall be constructed to the main-line sewer for each of such possible parcels except where the owner has filed an affidavit as provided in Section 1110(d) of Ordinance 2269, the Plumbing Code (see Title 28 of this code). If the main-line sewer does not extend to a point from which such possible parcels can be served in accordance with the requirements of Section 20.32.530, the main-line sewer must be extended in compliance with Section 20.32.530.

(Ord. 10020 § 3 (part), 1970: Ord. 6982 § 9 (part), 1956: Ord. 6130 Part 5 Ch. 6 § 5604, 1952.)

20.32.380 - Participation in project—Letter requirements.

A. A "letter of participation," prepared on a form provided by the county engineer, shall be submitted before approval of public sewer plans describing all properties which have participated in the cost of the project.

B. All such properties listed will be exempt from the connection charge only, specified in Section 20.32.130.

C. The "letter of participation" shall not be revised after the sewers have been accepted for public use by the board.

D. Exception: The "letter of participation" shall not be revised after a reimbursement agreement authorized under Section 20.28.050 has been approved by the board. Listed participants will be exempt from the reimbursement district connection charges specified in Section 20.32.150 established for that project in which they have participated.

(Ord. 9119 § 2, 1966: Ord. 6130 Part 5 Ch. 6 § 5624, 1952.)

20.32.390 - Dedication of sewers.

A. New main-line sewers shall be offered for dedication to the County.

B. An offer of dedication of main-line sewers for a new subdivision shall be included in any agreement to construct such sewers entered into pursuant to Section 21.32.020 of Title 21 as a condition for the recordation of a final tract map or parcel map.

C. An offer of dedication of main-line sewers other than as described in subsection B, above, shall be made on forms provided by the County Engineer and shall be signed and acknowledged. The offer of dedication shall be required as a condition precedent to the County Engineer's approval of the plans for the construction of the sewers. The County Engineer is authorized to accept said offer of dedication on behalf of the County.

D. When the construction of the sewer has been completed and the offer of dedication has been accepted by the County, the sewer becomes a public sewer.

E. No sewer shall be accepted for dedication by the County of Los Angeles unless such sewer has been constructed in conformity with the requirements of Division 2 of this Title 20.

(Ord. 2010-0038 § 1, 2010; Ord. 83-0020 § 1, 1983: Ord. 9119 § 1 (part), 1966: Ord. 6982 § 9 (part), 1956: Ord. 6130 Part 5 Ch. 6 § 5623, 1952.)

20.32.400 - Exceptions to requirements authorized when.

If a literal compliance with any engineering requirement of this Division 2 is impossible or impractical because of peculiar conditions in no way the fault of the person requesting an exception, and the purposes of this Division 2 may be accomplished and public safety secured by an alternate construction or procedure, and the county engineer so finds that such alternate complies with sound engineering practice, he may grant an exception permitting such alternate construction or procedure.

(Ord. 8690 § 12 (part), 1964: Ord. 6130 Part 5 Ch. 6 § 5622, 1952.)

20.32.410 - Plan preparation by registered civil engineer.

Any plans submitted for approval under the provisions of this Division 2 shall be prepared by or under the direction of and shall be signed by a registered civil engineer of the state of California.

(Ord. 10020 § 21970: Ord. 6130 Part 5 Ch. 6 § 5604.1, 1952.)

20.32.420 - Sewer Plans.

A. Before a sewer construction permit required by section 20.32.010 may be issued, plans for the proposed construction shall be submitted to and approved by the Director of Public Works, unless the Director of Public Works determines that plans are not necessary.

B. After the fee required by Section 20.32.230 has been paid, the director of public works shall check the submitted plans for compliance with the requirements of this ordinance and other applicable laws and ordinances of the county, state, or other governmental jurisdiction.

C. If plan corrections and other requirements necessary for plan approval have not been completed within one year after the checked plans are returned by the of public works, it shall constitute abandonment of the work and the director of public works shall so notify the person who has submitted the plans.

D. Except as provided in subsection F of this section, approval of sewer plans shall expire two years from the date of their approval, unless construction of the involved sewer facilities has commenced.

E. Resubmission of abandoned and expired plans shall be subject to new plan check fees as specified in Section 20.32.230.F.Notwithstanding subsection D of this section, the life of any unexpired approved sewer plan issued in connection with an approved tentative tract or parcel map shall be extended for the 24-month time period provided in California Government Code section 66452.23 to the extent such section applies to the involved tract or parcel map, except that the Director of Public Works may, as a condition of such extension, require modifications to the approved sewer plan to comply with any applicable changes in federal, State, or local law which took effect after the approval of the sewer plan. If after the effective date of the ordinance adding this subsection F, the California legislature amends the Subdivision Map Act to further automatically extend the life of any approved tentative tract or parcel map, the Director of Public Works shall have the discretion to extend the life of any related sewer plan approvals for the periods of time granted by such legislative extensions, and to require the sewer plan modifications he or she deems necessary as described in this subsection F.

(Ord. 2013-0020 § 1, 2013; Ord. 2005-0033 § 9, 2005: Ord. 11716 § 26, 1978: Ord. 10020 § 3 (part), 1970: Ord. 8690 § 10 (part), 1964: Ord. 6130 Part 5 Ch. 6 § 5605, 1952.)

20.32.430 - Sewer easement requirements.

A. A person desiring to construct a sewer in an easement under the provisions of this Division 2 shall present to the county engineer a request for processing, sufficient information to enable the preparation of a written description, and the fee specified in Section 20.32.240.

B. The location and dimensions of sanitary sewer easements shall be sufficient to provide present and future sewer service to abutting areas and adequate access for maintenance as determined by the county engineer.

C. Until the required easements have been properly executed and recorded:1.No plans shall be approved by the county engineer for sewer facilities to be constructed by any person across the property of others;2.No sewer facilities shall be accepted for public use, nor placed in use by any person.

(Ord. 10020 § 3 (part), 1970: Ord. 8690 § 11, 1964: Ord. 6130 Part 5 Ch. 6 § 5605.1, 1952.)

20.32.440 - Main-line sewers—Size specifications.

A. The size of main-line sewer pipe shall be determined by standards of design and the coefficients listed below, but in no case shall it be less than eight inches inside diameter.

For zoning in the following categories for residential areas:	**Coefficient cu. ft. per sec. per acre**
R-1	0.004
R-2	0.008
R-3	0.012
R-4	0.016*
For commercial areas:	
C-l through C-4	0.015*
For heavy industrial areas:	
M-l through M-4	0.021*

* Individual building, commercial or industrial plant capacities shall be the determining factor when they exceed the coefficients shown.

B. The coefficient to be used for any zoned area not listed will be determined by the county engineer based upon the intended development and use.

C. The county engineer shall determine which of the coefficients or combination of coefficients shall be used for design, as determined by the established or proposed zoning in the study area. Any modifications to these coefficients due to topography, development or hazard areas shall be approved by the county engineer.

(Ord. 8690 § 12 (part), 1964: Ord. 6130 Part 5 Ch. 6 § 5606, 1952.)

20.32.450 - Main-line sewers—Minimum velocity.

A mainline sewer shall be designed to provide a minimum velocity of two feet per second for pipes flowing one-half full, except that the county engineer may approve a gradient that will develop a lower velocity if he finds that a gradient that will develop a velocity of two feet per second is unobtainable.

(Ord. 6130 Part 5 Ch. 6 § 5607, 1952.)

20.32.460 - Bench marks and elevations.

A system of bench marks on the U.S.C. & G.S. Sea Level Datum of 1929 and adequate to construct the work shall be shown on the profile. The elevation of the sewer at the point where the system is to be discharged shall be shown as determined in the field from the above shown datum.

(Ord. 6982 § 9 (part), 1952: Ord. 6130 Part 5 Ch. 6 § 5617, 1952.)

20.32.470 - Soil conditions.

Soil conditions, particularly in areas known to have high groundwater tables, rock, or filled ground, shall be prospected, and the results shown on the profile, if required by the county engineer.

(Ord. 6130 Part 5 Ch. 6 § 5616, 1952.)

20.32.480 - Grades.

The slope of the sewer shall be shown on the plans in feet of fall per 100 feet of horizontal distance, expressed as a percentage. Slopes used expressed in percentages shall be divisible, without remainder, by four in the hundredth column. For example, 0.36 percent complies with this section.

(Ord. 6130 Part 5 Ch. 6 § 5608, 1952.)

20.32.490 - Main-line sewers—Alignment and location in street.

Where design considerations permit, main-line sewers shall have a straight alignment, and shall be located five feet from and on the northerly and easterly sides of the centerlines of streets or alleys, except on major or secondary highways where separate sewers shall be located in the roadway six feet from each curbline.

(Ord. 10020 § 3 (part), 1970: Ord. 8690 § 12 (part), 1964: Ord. 6130 Part 5 Ch. 6 § 5611, 1952.)

20.32.500 - Main-line sewers—Depth.

A. The minimum depth for mainline sewers shall be seven and one-half feet.

B. Where groundwater is present, the depth for residential main-line sewers may be sufficient to provide for a house lateral with a minimum depth of at least five feet below the curb grade or centerline of street or alley grade at the property line.

C. Exceptions to the above minimum may be made only as set forth in Section 20.32.400.

(Ord. 8690 § 12 (part), 1964: Ord. 6130 Part 5 Ch. 6 § 5609, 1952.)

20.32.510 - House laterals—Specifications generally.

A. For each lot, a six-inch internal diameter house lateral sewer shall be provided in the street, straight in alignment and grade between the main-line sewer and the property line, with minimum depths as required by Section 20.32.520, and at right angles to the mainline sewer whenever possible.

B. Exception: House laterals constructed in the street under the provisions of the Plumbing Code, (as set out at Title 28 of this code) or house laterals provided in the street for lots restricted to single-family residential use under the provisions of the Zoning Ordinance, set out at Title 22, may have an internal diameter of four inches.

(Ord. 10020 § 3 (part), 1970: Ord. 9119 § 1 (part), 1966: Ord. 8690 § 12 (part), 1964: Ord. 6130 Part 5 Ch. 6 § 5620, 1952.)

20.32.520 - House laterals—Depth.

A. The depth of house laterals at the property line shall be sufficient to provide service to the lowest or farthest point to be served on the lot at a minimum grade of two percent, with the top of the pipe not less than one foot below the ground surface at any point.

B. The minimum depth for house laterals at the property line shall be six feet below the curb grade or the centerline of street or alley grade, except as set forth in Section 20.32.500 for locations where groundwater is present.

C. Where street-widening lines have been established by the Zoning Ordinance, as set out at Title 22 of this code, the minimum depth shall be measured at such established line. If house laterals are constructed before the existing street is widened, the depth at the property line shall be such that extension at the same straight grade and alignment to the new property line will produce the required depth.

(Ord. 10020 § 3 (part), 1970: Ord. 9119 § 1 (part), 1966: Ord. 8690 § 12 (part), 1964: Ord. 6130 Part 5 Ch. 6 § 5621, 1952.)

20.32.530 - End structures—Location specifications.

End structures shall be placed at whichever of the following locations is farthest up grade:

A. Not less than 10 feet upgrade from the downgrade lot line of the last lot being served;

B. Not more than 40 feet downgrade from the upgrade lot line of the last lot being*served, if there may be a future extension of the main-line sewer;

C. At a location where the house lateral and building sewer can be constructed in a straight alignment at right angles to the main-line sewer.

(Ord. 10020 § 3 (part), 1970: Ord. 6130 Part 5 Ch. 6 § 5612, 1952.)

20.32.540 - Manhole structures.

Manhole structures shall be placed in the main-line sewer at all changes of alignment and gradient; the maximum distance between structures shall be not more than 350 feet. All structures shall be designed according to the standard drawings for structures on file in the office of the county engineer. Exceptions to the above requirements may be made only on approval of the county engineer.

(Ord. 6130 Part 5 Ch. 6 § 5610, 1952.)

20.32.550 - Substructures.

All substructures which will be encountered in the construction or which will be installed as part of the improvement shall be shown and designated on the plan. Large substructures which require special treatment in the design of the sewer shall also be shown in the profile. The engineer who has prepared the plans shall submit to the county engineer a statement that he has determined from each utility or other company having substructures in the affected area that the location and size of such structures, as shown on the submitted plans, are the same as shown upon such company's records.

(Ord. 10020 § 3 (part), 1970: Ord. 6130 Part 5 Ch. 6 § 5615, 1952.)

20.32.560 - Pipe materials—Approval required.

A. All pipe other than vitrified clay or cast iron shall first have been approved for use by the county engineer and shall be equivalent to vitrified clay or cast iron pipe in strength, effectiveness, durability and safety in accordance with the use intended.

B. Before approving any pipe, the county engineer may require satisfactory proof that such pipe is suitable for use, including actual tests performed by an independent and approved testing laboratory at no expense to the county.

(Ord. 10020 § 3 (part), 1970: Ord. 8690 § 12 (part), 1964: Ord. 6982 § 9 (part), 1956: Ord. 6130 Part 5 Ch. 6 § 5619, 1952.)

20.32.570 - Vitrified clay pipe—Installation specifications.

A. Vitrified clay pipe, main-line and house lateral sewers, shall be constructed of the class designated as extra-strength pipe.

B. Sewer pipe installed under a railway shall be encased in concrete, or encased in a steel pipe backfilled with sand, or encased by other approved means which will protect the pipe to the same extent.

C. Sewer pipe installed under a conduit or other structure, or at depths greater than 20 feet or in other locations where the county engineer determines that additional protection is required, shall be reinforced with a concrete cradle, or encased in concrete, or reinforced by other approved means which will protect the pipe to the same extent.

D. Sewer pipe installed in streets or public easements with the top of the pipe less than four feet below the surface, as determined during construction or indicated on the plans, shall be encased in concrete, or other approved means to protect the pipe.

(Ord. 8690 § 12 (part), 1964: Ord. 6130 Part 5 Ch.6 § 5614, 1952.)

Part 4 - INSPECTION

20.32.580 - Materials and construction—Conformity with standard specifications.

All material used in any work done under provisions of this Division 2 shall be new, first-class material and shall conform to, and the manner of construction shall meet all the requirements prescribed by this Division 2, by the Standard Specifications for Public Works Construction, and by Special Provisions and Standard Plans on file in the office of the county engineer. All such work shall be approved by the county engineer before a certificate of final inspection will be issued.

(Ord. 10020 § 3 (part), 1970: Ord. 6130 Part 5 Ch. 4 § 5407, 1952.)

20.32.590 - Inspection by county engineer—Requirements.

A. All work done under the provisions of this Division 2 shall be subject to inspection by and shall meet the approval of the county engineer; provided, however, that approval by the county engineer shall not relieve the permittee or any other person from complying with all of the applicable provisions of the Plumbing Code set out at Title 28 of this code, and no provision of this Division 2 supersedes, affects or modifies in any way the provisions of said Plumbing Code.

B. After the fee required by Section 20.32.120 has been paid and the permit issued, the county engineer shall inspect the construction for compliance with the requirements of this Division 2.

(Ord. 10020 § 3 (part), 1970: Ord. 8690 § 10 (part), 1964: Ord. 6130 Part 5 Ch. 4 § 5401, 1952.)

20.32.600 - Notice to county when ready for inspection.

The permittee shall notify the county engineer at least 24 hours prior to the time any inspection is to be made.

(Ord. 8690 § 10 (part), 1964: Ord. 6130 Part 5 Ch. 4 § 5402, 1952.)

20.32.610 - Work to be convenient and uncovered.

At the time of the inspection the permittee shall have all work uncovered and convenient, and shall give the county engineer every facility to make a thorough inspection.

(Ord. 10020 § 3 (part), 1970: Ord. 8690 § 10 (part), 1964: Ord. 6130 Part 5 Ch. 4 § 5403, 1952.)

20.32.620 - Using facilities before inspection prohibited—Exceptions.

No sewer or other facility constructed under the provisions of this Division 2 shall be placed in use until the work has been approved by the county engineer and a certificate of final inspection has been issued. Exceptions to this requirement may be made only when the work is substantially complete and has been inspected, and if the county engineer determines that the best interests of the public will be served by permitting such use prior to completion of the work.

(Ord. 10020 § 3 (part), 1970: Ord. 6130 Part 5 Ch. 4 § 5408, 1952.)

20.32.630 - Correction of defective work.

If the construction does not conform to the provisions of this Division 2, or if the permittee fails to prosecute the work with such diligence to insure its completion within the time specified, the county engineer shall notify the permittee, in writing, to comply. If the permittee fails to comply within five days after the written notice, the permit shall be suspended or revoked in accordance with the procedures set forth in Sections 20.36.160, 20.36.170, 20.36.180 and 20.36.2I0, and no further work shall be done by the permittee until the suspension is removed either by correction of the work or after appeal and public hearing in accordance with the procedures set forth in Sections 20.36.090, 20.36.100, 20.36.190 and 20.36.200.

(Ord. 8690 § 10 (part), 1964: Ord. 6130 Part 5 Ch. 4 § 5405, 1952.)

Part 5 - MAINTENANCE

20.32.640 - Injuring or removing sewers or equipment.

An unauthorized person shall not remove or cause to be removed, or injure or cause to be injured, any portion of any public sewer, sewage pumping plant, water pollution control plant, or any appurtenances thereto.

(Ord. 8690 § 10 (part), 1964: Ord. 6130 Part 5 Ch. 5 § 5501, 1952.)

20.32.650 - Dumping of effluent—Conditions.

The county engineer may permit operators of cesspool pump trucks holding a valid certificate of registration issued by the county health officer to dispose of septic tank, seepage pit or cesspool effluent which does not contain harmful concentrations of industrial liquid wastes, oils, greases, or other deleterious substances, into certain designated manholes. Operators may dump into the special facilities provided for the purpose at a county sewer maintenance yard upon payment of the fee specified in Section 20.32.290. No person shall dump such effluent in any manhole other than those designated by the county engineer. The county engineer may refuse to accept such effluent if it fails to meet the aforementioned requirements.

(Ord. 10020 § 4 (part), 1970: Ord. 8690 § 10 (part), 1964: Ord. 7314 § Il (part), 1958: Ord. 6130 Part 5 Ch. 5 § 5503, 1952.)

20.32.660 - Manholes—Opening or entering prohibited.

An unauthorized person shall not open or enter, or cause to be opened or entered, for any purpose whatsoever, any manhole in any public sewer.

(Ord. 6130 Part 5 Ch. 5 § 5502, 1952.)

20.32.670 - Manholes—Cleaning required after dumping effluent.

When septic tank, seepage pit or cesspool effluent is dumped into a specified manhole under permission from the county engineer, it shall be discharged through a pipe or hose in a manner such that none of the effluent shall be left adhering to the sides or shelf of the manhole, and if any such effluent is inadvertently allowed to adhere to the sides or shelf of the manhole, the manhole shall be thoroughly cleaned with clear water.

(Ord. 8690 § 10 (part), 1964: Ord. 6130 Part 5 Ch. 5 § 5504, 1952.)

20.32.680 - Reconnection following violations—Conditions—Cost reimbursement.

Whenever an industrial connection sewer has been disconnected from the public sewer by the county engineer for failure to comply with the provisions of this Division 2, reconnection shall be made only upon issuance of a permit as elsewhere in this division provided. Before such permit is issued, the applicant shall reimburse the county for the cost of the disconnection made, and the county engineer may require the installation of a manhole for the purpose of measuring the flow, or for making periodic tests of the wastes from such connection.

(Ord. 6130 Part 5 Ch. 5 § 5505, 1952.)

20.32.690 - Reimbursement for repairs and maintenance following violations.

Whenever an industrial sewer connection permittee by reason of violation of Section 20.36.400 of this code, or any other person by reason of violation of Section 20.32.640, causes obstruction, damage or destruction of a public sewer, or any appurtenances thereto, or pumping plants or water pollution control plants in connection therewith, he shall reimburse the county sewer maintenance district in which damage occurred for the cost of flushing, cleaning, repairing and reconstruction of such sewer or facility, made necessary by such violation, within 30 days after the county engineer has rendered an invoice for the same. The amount when paid shall be deposited into the fund of the said maintenance district.

(Ord. 8690 § 10 (part), 1964: Ord. 6130 Part 5 Ch. 5 § 5506, 1952.)

Chapter 20.36 - INDUSTRIAL WASTE

Part 1 - PERMITS

20.36.010 - Discharge of offensive or damaging substances prohibited.

A person shall not discharge or deposit or cause or suffer to be discharged or deposited at any time or allow the continued existence of a deposit of any material which may create a public nuisance, or menace to the public health or safety, or which may pollute underground or surface waters, or which may cause damage to any storm-drain channel or public or private property.

(Ord. 6130 Part 6 Ch. 3 § 6301, 1952.)

20.36.015 - Dilution prohibited.

No person shall discharge or cause to be discharged any water or other substance added for the purpose of diluting any industrial waste to achieve compliance with limitations imposed by the provisions of this Division 2.

(Ord. 89-0101 § 25, 1989.)

20.36.020 - Construction of new industrial buildings—Information required.

Every person applying for a permit pursuant to the provisions of the Building Code, as set out at Title 26 of this code, for construction of a new industrial building or for an addition or alteration to an existing industrial building shall furnish to the county engineer such plans, information, data, statements or affidavits as the county engineer may require for determination of the nature and quantity of industrial waste involved and the facilities to be provided for the disposal thereof.

(Ord. 6130 Part 6 Ch. 3 § 6302, 1952.)

20.36.030 - Construction of new industrial buildings—Building permit issuance prerequisites.

An application for a permit pursuant to the Building Code to construct a new industrial building or for an addition or alteration to an existing industrial building will not be approved until provision has been made for the installation of such pretreatment facilities and disposal methods or both as, in the opinion of the county engineer, are necessary to carry out the provisions and intent of this Division 2.

(Ord. 6130 Part 6 Ch. 3 § 6303, 1952.)

20.36.031 - Construction of facilities connecting to a STEP system—Information and building permit prerequisites.

Every person applying for a permit pursuant to the provisions of the Building Code as set forth in Title 26 of this code, or the Los Angeles County Plumbing Code, as set forth in Title 28 of this code, for the construction of any facility to be connected to a STEP pressure sewer system, shall furnish to the county engineer or his designated agent such plans, information, data, statements or affidavits as the county engineer or his designated agent may require for the determination of the nature and quantity of wastewater involved, the facilities to be provided for the disposal thereof, and the structures or means necessary for the protection of such facilities.

An application for a permit pursuant to the Building or Plumbing Codes for facilities to be connected to a STEP pressure sewer system will not be approved until provision has been made for the installation of such pretreatment facilities, including protective means and structures for those facilities, as in the opinion of the county engineer or his designated agent are necessary to carry out the provisions and intent of this Division 2. The application also will not be approved until a letter of credit, cash deposit, performance bond, or other form of security acceptable to the county engineer or his designated agent, accompanied by a right of entry release, to assure the completion of the pretreatment facilities and their protective means or structures has been received by the county engineer or his designated agent.

(Ord. 89-0006 § 7, 1989.)

20.36.040 - Permit to discharge industrial waste—Issuance conditions.

A. The director may issue a permit containing limitations or conditions, or both, in addition to those recommended by the county health officer, or may modify an existing permit by the addition of or elimination of such conditions and limitations as may be necessary to accomplish the purpose of this Division 2; but in a permit covering the discharge deposit or disposal of wastes other than to the public sewer he shall include all limitations and conditions recommended by the county health officer.

B. Permits for the discharge of industrial wastes to a public sewer shall state the maximum permissible rate of discharge.

C. The director may impose a permit expiration date not to exceed a term of five years where the director determines such a date is necessary to insure compliance with all applicable laws and regulations governing the disposal of industrial wastes. Application for renewal of such a permit shall be made not later than 180 days prior to the expiration date of the existing permit.

(Ord. 89-0101 § 26, 1989: Ord. 10020 § 3 (part), 1970: Ord. 6130 Part 6 Ch. 3 § 6306, 1952.)

20.36.050 - Change of facts—Notification to county engineer.

Every person having a permit issued pursuant to this chapter either automatically or otherwise within five days shall notify the county engineer in writing of any change in any facts which are required to be stated in an application for a permit.

(Ord. 7010 § 2, 1956: Ord. 6130 Part 6 Ch. 3 § 6322, 1952.)

20.36.060 - Revised permit—Application required when.

A permittee shall submit to the county engineer an application for revised industrial waste disposal permit and obtain approval prior to effecting any of the following waste-discharge conditions:

A. Change in method of disposal;

B. Change in disposal point for non-sewered discharge;

C. Change in discharge volume affecting treatment or storage facilities; or

D. Change in character of the waste discharge.

(Ord. 11716 § 41, 1978: Ord. 6130 Part 6 Ch. 3 § 6323, 1952.)

20.36.065 - Expiration of application.

An application for an industrial waste disposal permit for which no permit is issued within 180 days following the date of application submittal shall expire by limitation. The application and other information submitted may thereafter be returned to the applicant or destroyed. The director may extend the time for action by the applicant for a period not to exceed 180 days upon written request by the applicant showing that circumstances directly related to the processing of the application but beyond the control of the applicant have prevented action from being taken. In order to renew action on an application after expiration, the applicant shall resubmit all necessary application forms and other data and pay a new application fee and plan review fee. No application shall be extended more than once.

(Ord. 89-0101 § 27, 1989: Ord. 84-0109 § 3, 1984.)

20.36.070 - Grant or denial—Notice to applicant.

A. The county engineer shall either grant or deny a permit within 30 days after all fees, as provided in this Division 2, have been paid and upon the receipt of the application complete with all supplemental data.

B. The county engineer shall immediately notify the applicant whenever he grants a permit, denies a permit, grants a permit subject to special conditions or limitations, or adds to or eliminates any conditions or limitations of an existing permit.

(Ord. 7519 § 4 (part), 1959: Ord. 6130 Part 6 Ch. 3 § 6305, 1952.)

20.36.080 - Hearing—Time limit for request.

Within 30 days after receipt of notice of denial of a permit, granting of a permit subject to conditions or limitations, or the addition of conditions or limitations to an existing permit, the applicant or permittee may file with the board a written demand for a public hearing. If he does not do so, he shall be deemed to have consented to the action of the county engineer, and such action shall be final.

(Ord. 6130 Part 6 Ch. 3 § 6308, 1952.)

20.36.090 - Hearing—Notice requirements.

Within 30 days after application for a hearing has been requested, the board shall give notice of the time and place of public hearings to the applicant or permittee, the county engineer, and the county health officer when matters pertaining to public health are involved, at least 10 days in advance of the date set for such hearing.

(Ord. 6130 Part 6 Ch. 3 § 6317, 1952.)

20.36.100 - Hearing—Conduct—Board determination authority.

After a public hearing requested by an applicant or a permittee, the board may:

A. Confirm the action of the county engineer in denying a permit or issuance of a permit subject to special conditions and limitations;

B. Instruct the county engineer to issue a permit without conditions or limitations, or with such special conditions and limitations as the board may designate;

C. Continue suspension of an existing permit invoked by the county engineer pending correction of objectionable conditions by the permittee;

D. Remove the suspension of an existing permit invoked by the county engineer pending correction of objectionable conditions by the permittee;

E. Deny that objectionable conditions exist and reinstate an existing permit;

F. Revoke an existing permit on any of the following grounds:1.Failure of the permittee to correct conditions as required by the county engineer,2.Conditions which would justify the denial of a permit,3.Fraud or deceit was employed in the obtaining of a permit,4.Any other violation of this Division 2 or of any permit, license or exception granted hereunder.

(Ord. 6130 Part 6 Ch. 3 § 6318, 1952.)

20.36.110 - Failure to obtain permit deemed violation when.

A person who is required to, but does not have a permit and who has been notified by the county engineer that he is required to obtain a permit pursuant to the provisions of this Division 2 shall immediately submit to the county engineer an application and fee as required by this Division 2 for such permit, and shall rectify and cure all such violations. Failure to do so shall constitute a wilful violation of this Division 2.

(Ord. 7519 § 4 (part), 1959: Ord. 6130 Part 6 Ch. 3 § 6310, 1952.)

20.36.120 - Successor in interest—New permit required.

The successor in title or interest of a premises for which a permit had previously been granted shall file with the director a new permit application, in accordance with the provisions of Section 20.36.320 or Section 20.36.490, within 30 days after assumption of such title or interest, and shall furnish plans and data as may be required by the director. If it appears from the application, data, and/or inspection of the facility that the succeeding operation and disposal practices comply with the provisions of this Division 2, the director, upon receipt of the fees hereinafter required, shall issue such permit. The director may issue an interim permit pursuant to Section 20.36.125 to allow continued operations during the permit processing period.

(Ord. 2002-0074 § 1, 2002: Ord. 89-0101 § 28, 1989.)

20.36.125 - Interim permit—Ongoing discharge.

Upon determination that any person is discharging industrial wastewater directly or indirectly to a facility regulated by this Division 2 without a valid permit or upon receipt of an application for a permit for an ongoing discharge, an interim permit may be issued by the director to allow the continuation of such discharge during the application review period, subject to such conditions, limitations, restrictions, and other provisions or requirements which the director determines are necessary or advisable to protect the county sewage collection system and to assure compliance with all federal, state and local laws and that the continuation of such discharge will not be detrimental to the public health and safety. An interim permit is revocable by the director at any time. Any person whose interim permit is revoked shall immediately cease and desist all unpermitted discharge of industrial waste. Unless revoked by the director, the interim permit shall be enforceable until such time as a permit is issued or denied by the director and shall be subject to annual inspection fees pursuant to Section 20.36.250. The discharger shall immediately comply with all of the provisions and requirements of such interim permit, and if the discharger has not already applied for a permit, shall apply for a permit within 30 days from the issuance of the interim permit.

(Ord. 2002-0074 § 2, 2002: Ord. 11716 § 39, 1978: Ord. 7010 § 1 (part), 1956: Ord. 6541 § 5, 1954: Ord. 6130 Part 6 Ch. 3 § 6319.5, 1952.)

20.36.130 - Permit not transferable from one location to another.

Permits issued under this chapter are not transferable from one location to another, and discharge of wastes shall be made strictly in accordance with all provisions contained in the permit, at the location specifically designated therein.

(Ord. 6541 § 6, 1954; Ord. 6130 Part 6 Ch. 3 § 6320, 1952.)

20.36.135 - Monitoring and sampling—Pre-notification.

Any permittee required by the director, by permit or otherwise, to engage in periodic monitoring or sampling of a discharge shall notify the director by telephone at least 48 hours in advance of any monitoring or sampling to be done. Prior to the commencement of any sampling or monitoring, the director may request that the permittee furnish the director a split sample and all supporting data. Each permittee shall submit to the director, certified under penalty of perjury by the permittee, its monitoring and sampling reports or other requested data.

(Ord. 89-0101 § 29, 1989.)

20.36.140 - Notice to correct violations.

A. The county engineer may serve notice of violation upon the person owning or operating premises describing the conditions and requiring prompt correction thereof, when he finds that:

1. Industrial waste, effluent, or any other material is being maintained, discharged or deposited in such a manner as to create, or if allowed to continue will create, any one or more of the following conditions:

a. A public nuisance,

b. A menace to the public safety,

c. Pollution of underground or surface waters,

d. Adverse effect or damage to any public sewer, storm drain, channel, or public or private property; or that:

2. The permittee has failed to conform with conditions or limitations of any permit issued in accordance with this Division 2;

3. The industrial waste disposal permit was issued in error, or on the basis of incorrect information supplied, or in violation of any ordinance, law or regulation.

B. Failure to comply with such notice shall constitute a wilful violation of this Division 2.

(Ord. 84-0109 § 4, 1984: Ord. 11716 § 36, 1978: Ord. 7519 § 4 (part), 1959: Ord. 6130 Part 6 Ch. 3 § 6309, 1952.)

20.36.150 - Investigation of complaints—Correction of violations.

Notwithstanding any exception mentioned in this Division 2, the county engineer shall promptly investigate every complaint charging violation of any of the provisions of this Division 2, and shall take action to correct any violation discovered.

(Ord. 6130 Part 6 Ch. 3 § 6304, 1952.)

20.36.160 - Suspension of permit—Conditions.

When the conditions described in Section 20.36.140 are so aggravated that immediate cessation of operation is necessary and the county engineer so finds, he shall suspend the permit. He shall serve notice of such suspension on the permittee. The county engineer may also suspend a permit if objectionable conditions listed in a notice to correct, served in accordance with Section 20.36.140, are not corrected within the time specified in such notice.

(Ord. 7519 § 4 (part), 1959: Ord. 6130 Part 6 Ch. 3 § 6311, 1952.)

20.36.170 - Suspension of permit—Notice.

The county engineer shall immediately notify the permittee of suspension of permit or recommendation to the board that such permit be revoked, or both.

(Ord. 6130 Part 6 Ch. 3 § 6313, 1952.)

20.36.180 - Discontinuance of discharge or deposit required when.

A person whose permit has been suspended, or who has been notified of violation, as provided in this Division 2, shall immediately discontinue the deposit or discharge of industrial waste, sewage, or effluent, or use of any described facility, and shall not resume such deposit or discharge, or use of the described facility, until a permit has been issued or reinstated by the county engineer or board as hereinafter provided. Failure so to do shall constitute wilful violation of this Division 2.

(Ord. 7519 § 4 (part), 1959: Ord. 6130 Part 6 Ch. 3 § 6314, 1952.)

20.36.190 - Rights of permittee following notice of violation or suspension.

Within the time specified in the notice of violation or suspension, the permittee shall:

A. Correct and remedy the conditions so specified, to the satisfaction of the county engineer; or

B. File with the board a denial that all of the conditions so specified exist, request a public hearing, and correct the conditions which the permittee admits do exist; or

C. File with the board a denial that any of the conditions so specified exist and request a public hearing.

(Ord. 8690 § 12 (part), 1964: Ord. 6130 Part 6 Ch. 3 § 6315, 1952.)

20.36.200 - Reinstatement of suspended permit.

The county engineer shall reinstate a suspended permit when all violations are corrected and all fees required by this Division 2 have been paid.

(Ord. 11716 § 37, 1978: Ord. 6130 Part 6 Ch. 3 § 6316, 1952.)

20.36.210 - Revocation of permit—Recommendation by county engineer.

The county engineer may recommend to the board that a permit be revoked.

(Ord. 7519 § 4 (part), 1959: Ord. 6130 Part 6 Ch. 3 § 6312, 1952.)

20.36.220 - Cancellation of permit and facility closure—Conditions.

A. A person owning or operating premises containing industrial waste treatment or disposal facilities operated under a valid permit issued under the provisions of this Division 2 may file a written application with the director to cancel such permit upon termination of operations and/or closure of the permitted facility. Upon receipt of such an application, the director shall investigate and cancel the permit if he determines that:

   1. All industrial-waste producing operations have ceased;

   2. Any industrial waste treatment facilities have been removed or rendered inoperable to prevent further use;

   3. All permits to abandon or disconnect, as may be required by the Plumbing Code, have been obtained;

   4. Any industrial wastes remaining on the premises have been removed to a legal point of disposal;

   5. All fees required by this Division 2 due up to the date of closure of the facility have been paid;

   6. The applicant has demonstrated that no environmental contamination has occurred by the previous operation of the treatment facility or that any contamination found has been mitigated.

B. Should the director deny an application for a permit cancellation or closure of the facility, the owner or operator of any facilities required by the permit shall maintain these facilities in good operating condition and pay all fees required by this Division 2 to maintain a valid permit.

(Ord. 2002-0074 § 3, 2002: Ord. 11716 § 40, 1978: Ord. 6130 Part 6 Ch. 3 § 6321, 1952.)

Part 2 - FEES AND DEPOSITS

20.36.230 - Industrial waste disposal permit—Application fee—Schedule.

The director shall collect a permit application fee, as set forth in the schedule below, for each application received. Such fee shall be separate and apart from any fee or deposit collected for industrial waste plan review or imposed under provisions of the Plumbing Code, set out in Title 28, or other county ordinance or regulation, or by reason of any license, agreement or contract between the applicant and other public agency. Such application fee shall not be refundable even though the application be denied except as provided in Section 20.28.070.

Industrial Waste Disposal Permit Type	Fee: New Permit	Fee: Revised Permit
Sewer disposal	$597.00	$402.00
On-site disposal	727.00	597.00
Off-site disposal	798.00	534.00

(Ord. 2002-0074 § 4, 2002: Ord. 89-0101 § 30, 1989: Ord. 84-0109 § 5, 1984: Ord. 81-0043 § 6, 1981: Ord. 11716 § 42, 1978: Ord. 8690 § 12 (part), 1964: Ord. 7519 § 4(part), 1959: Ord. 6130 Part 6 Ch. 4 § 6402, 1952.)

* Editor's note: Fee changes in this section include changes made by the Department of Public Works due to increases in the Consumer Price Index and are effective July 1, 2022.

20.36.240 - Successor in interest or revision—Application fee.

The application fee for a permit application by a successor in interest where the director finds that the succeeding operation is essentially the same as the preceding permitted operation in quantity, strength and method of disposal for industrial wastes generated, shall be the amount set forth in Section 20.36.230 for permit revision.

(Ord. 89-0101 § 31, 1989: Ord. 84-0109 § 6, 1984: Ord. 11716 § 48, 1978: Ord. 6130 Part 6 Ch. 4 § 6408, 1952.)

20.36.245 - Industrial waste plan review—Fee schedule.

A. The director shall collect a plan review fee, as set forth in the schedule below, for each set of plans received for any single site or location. Such fee shall be separate and apart from any fee or deposit collected for any permit or inspection or imposed by any other county ordinance or regulation. Such plan review fee shall be applied to any submittal required by the director pursuant to this Division 2 and shall not be refundable even though the submittal be rejected or the project terminated except as provided in Section 20.28.070.

Plan Review Fee Class	Sewer		Disposal Method			
			On-site		Off-site	
	New	Revision	New	Revision	New	Revision
1	$ 995.00	$ 727.00	$1,127.00	$ 863.00	$1,059.00	$ 798.00
2	1,260.00	995.00	1,390.00	1,127.00	1,327.00	1,059.00
3	1,524.00	1,260.00	1,654.00	1,390.00	1,592.00	1,327.00
4	1,786.00	1,524.00	1,921.00	1,654.00	1,854.00	1,592.00
5	2,055.00	1,786.00	2,450.00	1,921.00	2,115.00	1,854.00
6	2,318.00	2,055.00	2,844.00	2,450.00	2,382.00	2,115.00

B. The director may impose a reinstatement fee of one-half of the plan review fee if the applicant fails to correct any plans or submittal upon written notice of correction or request for additional information by the director after three attempts have been made to gain such correction.

(Ord. 2002-0074 § 5, 2002: Ord. 89-0101 § 32, 1989.)

* Editor's note: Fee changes in this section include changes made by the Department of Public Works due to increases in the Consumer Price Index and are effective July 1, 2022.

20.36.250 - Annual inspection fee—Scheduling and billing.

A. For each industrial waste disposal permit issued by the director, an annual inspection fee as determined by the schedule below and Section 20.36.260, Table I, shall be due and payable to the director annually, in advance, on a billing date to be determined by the director.

Inspection Fee Class	Fee
A	$ 394.00
B	771.00
C	1,157.00
D	1,533.00
E	1,801.00
M	3,801.00

B. Immediately upon issuance of a new permit, the permittee shall be billed the above inspection fee for the first annual billing period.

C. The annual inspection fee shall be increased by an additional $332.00 for each approved rainwater diversion system.

(Ord. 2002-0074 § 6, 2002: Ord. 89-0101 § 33, 1989: Ord. 84-0109 § 7, 1984: Ord. 81-0043 § 7, 1981: Ord. 11716 § 43, 1978: Ord. 6130 Part 6 Ch. 4 § 6403, 1952.)

* Editor's note: Fee changes in this section include changes made by the Department of Public Works due to increases in the Consumer Price Index and are effective July 1, 2022.

20.36.260 - Classes of businesses, processes and industries for plan review and inspection fee.

Plan review and inspection classes shall be established in accordance with Table I. The classes for any business, process, industry or residential STEP system connection not listed in Table I shall be determined by the director using Table I as a guide.

Table I	**Plan Review Class**	**Inspection Class**
Agricultural Production, Food Processing and Handling		
Animal slaughtering (except fowl)	3	D
Bakery plants	2	C
Beverages, canning and bottling	2	C
Breweries, wineries	3	D
Canned and preserved fruits and vegetables	3	B
Cold storage and refrigeration plants	1	A
Dairies and dairy products	2	D
Food markets	1	A
Frozen foods	2	B
Hydroponic farms	2	B
Poultry	3	E
Prepared meat, poultry and fish products	2	C
Public eating places and plant cafeterias (including STEP system connections)	1	A
Rendering	3	C
Sugar and confectionery products	1	A
Vegetable fats and oils	2	B
Vegetable packing	3	D

Mining, Manufacturing and Processing		
Aircraft	3	C
Aircraft engines, parts and accessories	3	C
Ammunition and explosives	2	D
Asphalt and asphalt products	4	E
Battery manufacturing, servicing and reclaiming	3	E
*NCPS facilities	4	M
Blast furnaces, steel works, rolling and finishing mills	4	E
*NCPS facilities	5	M
Carpet mills with dyeing	4	D
*NCPS facilities	5	E
Carpet mills without dyeing	1	A
Cement manufacturing	3	B
Ceramics	2	D
Chemical milling	5	E
*NCPS facilities	6	M
Chemical plants	5	E
*NCPS facilities	6	M
Coating, electroplating, engraving and related services	4	E
*NCPS facilities	5	M
Concrete batch plants	2	D
Cut stone and stone products	2	A
Electric power generation plants except waste-to-energy facilities	3	B
*NCPS facilities	4	E

Enameled products	2	B
*NCPS facilities	4	E
Guided missiles, space vehicles, space vehicle propulsion units and propulsion unit parts	4	D
Iron and steel foundries and heat treating	4	D
*NCPS facilities	5	E
Linoleum, asphalt-felt-base and other hard-surface floor covering	2	B
Metal fabrication (no chemical wastes)	1	B
Metals—with chemical wastes (not otherwise classified)	3	D
*NCPS facilities	4	E
Metals—with no chemical wastes (not otherwise classified)	1	B
Motor vehicle parts and accessories	2	B
Motor vehicles, vehicle bodies and trailers	3	B
Musical instruments (metal)	2	C
Non-metals—with chemical wastes (not otherwise classified)	3	D
*NCPS facilities	4	E
Non-metals—with chemical wastes (not otherwise classified)	1	A
Oil field production	2	C
*NCPS facilities	3	D
Paint manufacturing	3	D
*NCPS facilities	4	E
Paper manufacturing	3	C
*NCPS facilities	4	E
Paper products	2	B
*NCPS facilities	4	E

Pesticides	4	D
*NCPS facilities	5	E
Petroleum refining and processing	5	E
*NCPS facilities	6	M
Pharmaceuticals	4	D
*NCPS facilities	5	E
Photographic equipment and supplies	2	C
Pottery, china, earthenware, porcelain and related products	2	C
Primary smelting and refining of nonferrous metals	3	B
*NCPS facilities	4	E
Printed circuit boards	4	E
*NCPS facilities	5	M
Quarrying and rock crushing	4	D
Railroad equipment	2	B
Rolling, drawing and extruding nonferrous metals	2	C
*NCPS facilities	3	D
Rubber and plastics products	3	C
*NCPS facilities	4	E
Sand and gravel washing and screening	3	D
Secondary smelting and refining of nonferrous metals	2	C
*NCPS facilities	3	D
Semiconductor and related devices	3	D
*NCPS facilities	4	E
Silverware, platedware and stainless steelware	5	M

*NCPS facilities	5	M
Spray-painting shops	1	A
Steel springs manufacturing	3	E
*NCPS facilities	4	M
Tanning and wool pulling	3	D
*NCPS facilities	4	E
Textile mills, treating and dyeing	4	D
*NCPS facilities	5	E
Wood fabrication (no chemical wastes)	1	A
Retail Trade and Services (Including STEP System Connections)		
Airports, flying fields and airport terminal services	1	B
Automotive repair	1	C
Bottle and can washing	2	B
Car wash	1	C
Chemical laboratories	1	B
Cleaners, retail	1	B
Commercial laundries (not coin-operated)	2	B
Cooperages	3	D
Dry cleaning plants	2	D
Film processing plants	2	C
Film processing, retail	1	A
Kennels, dog and cat hospitals	1	A
Marine service	2	C
Schools, churches and institutions	1	A

Service stations—incidental car washing, repairs and maintenance	1	A
Tank truck interior washing	2	D
*NCPS facilities	3	E
Truck repair and exterior washing	1	C
Waste Disposal Facilities		
Congeneration facilities (not otherwise classified)	2	C
Hazardous waste treatment, recycling, storage and transfer facilities	6	M
Injection wells, non-oilfield wastes (liquids)	3	M
Landfill gas recovery facilities	6	M
Liquid waste storage and transfer facilities, nonhazardous	4	E
Solid-waste transfer, recycling and composting facilities	3	D
Solid-waste incinerators	6	M
Waste-to-energy facilities	6	M
Miscellaneous		
Groundwater cleanup	1	A
Open facilities, not used	1	A
Storm water monitoring	1	A
Storm water treatment BMP Approval/monitoring	1	A
Sanitary dump station	1	A
Residences Connected to STEP Systems		
Residences (per septic tank)	no charge	no charge

* Industries subject to National Categorical Pretreatment Standards (NCPS) and not regulated by a joint permit pursuant to Section 20.36.385, shall have fee amounts governed by the NCPS facility designations. Where an industry or process falls into more than one fee class category, the higher fee shall prevail unless the director determines a lesser amount is appropriate.

(Ord. 2002-0074 § 7, 2002: Ord. 89-0101 § 34, 1989: Ord. 89-0006 § 8, 1989: Ord. 11716 § 44, 1978: Ord. 6130 Part 6 Ch. 4 § 6404, 1952.)

20.36.265 - Wastewater sampling and analysis fee.

The director may charge the discharger a fee of $394.00 for each analysis performed by or on behalf of the director on wastewater samples taken from the discharger.

(Ord. 2002-0074 § 8, 2002: Ord. 89-0101 § 35, 1989.)

* Editor's note: Fee changes in this section include changes made by the Department of Public Works due to increases in the Consumer Price Index and are effective July 1, 2022.

20.36.270 - Miscellaneous services—Fees.

The following fees, as set forth in Table II below, shall be paid before a review is made, approval is granted, inspection is made, operation is allowed or remedial action is implemented:

Table II

Service	Fee
Application for closure and inspection of pretreatment facility pursuant to Section 20.36.220	$621.00
Review of site-remedial investigation and cleanup plan, initial deposit	553.00
Additional site investigation and cleanup plan review and approval, per hour	144.00
Inspections outside of normal business hours, per hour	307.00
Inspection for which no fee is specifically indicated	394.00
Additional plan review or revisions of previously approved plans, per hour	144.00

(Ord. 2002-0074 § 9, 2002: Ord. 89-0101 § 36, 1989.)

* Editor's note: Fee changes in this section include changes made by the Department of Public Works due to increases in the Consumer Price Index and are effective July 1, 2022.

20.36.280 - Annual inspection fee, wastewater sampling and analysis fee and miscellaneous service fee—Payment time—Penalties for delinquency.

All inspection fees required by Section 20.36.250 or Section 20.36.270 of this code, wastewater sampling and analysis fees required by Section 20.36.265 and applicable miscellaneous fees required by Section 20.36.270 shall be due and payable on the billing date as established by those sections or by the due date indicated on any invoices issued. Fees not paid within 30 calendar days from the billing date shall be considered delinquent. Delinquent fees shall be subject to a 10-percent penalty fee for each 30-day period beyond the billing date that the fee is due. Permits for which the inspection fee is delinquent for 90 days or more are subject to suspension as provided in Section 20.36.160.

(Ord. 89-0101 § 37, 1989: Ord. 11716 § 46, 1978: Ord. 6130 Part 6 Ch. 4 § 6406, 1952.)

20.36.290 - Annual inspection fee—Refund conditions.

Upon cancellation of permit pursuant to Section 20.36.220, and upon written request of the permittee, the county engineer shall refund a portion of the annual inspection fee as determined from the table below:

Days From Previous Billing Date	Percent Required
1—60	75%
61—150	50%
151—240	25%
241 or more	0%

(Ord. 11716 § 47, 1978: Ord. 6130 Part 6 Ch. 4 § 6407, 1952.)

20.36.295 - Annual review of fees.

Beginning on July 1, 2003, and thereafter on each succeeding July 1st, the amount of each fee in this chapter shall be adjusted as follows: calculate the percentage movement between April of the previous year and March of the current year in the Consumer Price Index (CPI) for all urban consumers in the Los Angeles, Anaheim, Riverside areas, as published by the United States Government Bureau of Labor Statistics, adjust each fee by said percentage amount and round off to the nearest $1.00. Notwithstanding the foregoing, no such adjustment shall decrease any fee, and further, no fee shall exceed the reasonable cost of providing the services for which the fee is collected.

(Ord. 2002-0074 § 10, 2002: Ord. 89-0101 § 38, 1989.)

Part 3 - DISCHARGE TO PUBLIC SEWERS

20.36.300 - Application of Part 3 provisions.

The provisions of this Part 3 of Chapter 20.36 shall pertain to the disposal of industrial waste to the public sewer only.

(Ord. 7519 § 3 (part), 1959: Ord. 6130 Part 6 Ch. 1 § 6101, 1952.)

20.36.310 - Permit—Required when.

A. A person shall obtain a permit from the county engineer prior to the discharge of industrial waste to a public sewer.

B. The county engineer shall not grant such a permit unless he finds that sufficient capacity exists in the public sewer to allow for such industrial waste, as determined by the requirements of Section 20.32.080.

C. A separate permit shall be required for each connection discharging industrial wastes to the public sewer.

D. For the purpose of this section, discharges resulting from garbage grinders powered by motors of one horsepower or less, and grease interceptors installed in restaurants in accordance with the provisions of the Los Angeles County Plumbing Code where such facilities are not required by other provisions of this Division 2, are not considered to be industrial waste discharges.

E. A person shall obtain a permit from the county engineer to maintain an existing but nonused industrial waste connection to the public sewer. The annual inspection fee for such permit shall be the same as that for Inspection Fee Class A. The connection shall be removed upon the expiration or revocation of such permit pursuant to the criteria established by Section 20.36.220.

(Ord. 84-0109 § 8, 1984: Ord. 11716 § 28, 1978: Ord. 10020 § 3 (part), 1970: Ord. 7519 § 3 (part), 1959: Ord. 6982 § 11, 1956: Ord. 6130 Part 6 Ch. 1 § 6102, 1952.)

20.36.320 - Permit—Application forms—Information required.

A. The director shall provide printed application forms for the permit required by this Part 3, indicating thereon the information to be furnished by the applicant. In conjunction therewith, the applicant may be required to furnish the following:

1. The name and address of the applicant;
2. The name and address of the discharger;
3. The address or location of the premises where the discharge will take place;
4. The Standard Industrial Classification (SIC) of the discharger;
5. Information with respect to constituents and characteristics of wastewater proposed to be discharged, including but not limited to those referred to in this Part 3. Sampling and analysis shall be performed in accordance with procedures established by the EPA pursuant to Section 304(g) of the Act and contained in 40 CFR, Part 136, as amended, and by laboratories certified by the state of California. In the absence of a state certification process, the director may certify a laboratory to perform necessary sampling and analysis;
6. Time and duration of the proposed discharge or discharges;
7. Average daily and five-minute peak wastewater flow rates, including daily, monthly and seasonal variation, if any;
8. Each byproduct waste of the discharges by type, amount and rate of production;
9. Site plans, floor plans, mechanical and plumbing plans and details to show all sewers, storm drains, connections and appurtenances by their size, location and elevation;

10. Description of activities, facilities and plant processes on the applicant's premises, including all pollutants which could be discharged;

11. Detailed plans showing pretreatment facilities, sampling facilities, uncontrolled discharge containment facilities, and operating procedures;

12. Identification of the nature and concentration of any pollutant located at the premises of the discharger (and/or applicant if different) if that pollutant is prohibited from discharge under this Part 3, or any proposed discharge which is regulated by any applicable local limit, plus a statement specifying whether the specific limitations set forth in said local limits are being met, and, if not, what O&M or pretreatment is proposed by the discharger to cause compliance;

13. The shortest time scheduled by which the discharger shall provide the necessary additional pretreatment or O&M, if additional pretreatment or O&M will be required to meet the regulations in this Division 2. Any completion date in such a proposed schedule shall not be later than the compliance date established by the applicable regulations. The schedule shall provide for reporting increments in progress in the form of dates for commencement and completion of major events leading to the construction and operation of additional pretreatment necessary for the discharger to meet the applicable regulation (e.g., hiring an engineer, completing preliminary and final plans, executing contract for major components, commencing construction, completing construction);

14. Each product of the discharger by type, amount, and rate of production;

15. Type and amount of raw materials processed by the discharger (average and maximum per day);

16. Number of employees, hours of operation of plant, and hours of operation of the proposed pretreatment system;

17. Copies of any current NPDES permit, South Coast Air Quality Management District permit, Regional Water Quality Control Board permit, fire department business plan, health department license and State Department of Health Services permit for the subject premises;

18. The name, business address and motor vehicle driver's license number of the authorized representative;

19. Any other information deemed by the director to be necessary to evaluate the permit application. The application shall be signed under penalty of perjury by the authorized representative of the discharger.

B. For the purpose of this section, the director may utilize joint permit application forms under agreements established with other public agencies as provided in Section 20.28.090.

(Ord. 89-0101 § 39, 1989: Ord. 11716 § 29, 1978: Ord. 10276 § 1, 1971: Ord. 7010 § 1 (part), 1956: Ord. 6130 Part 6 Ch. 1 § 6104, 1952.)

20.36.330 - Permit—Issuance conditions.

If it appears from the application and supporting information submitted for any permit required by this chapter that the proposed disposal complies with the provisions of this Division 2 and other applicable laws and ordinances, the county engineer, upon receipt of the fees hereinafter required, shall issue such permit.

(Ord. 11716 § 30, 1978: Ord. 6130 Part 6 Ch. 1 § 6105, 1952.)

20.36.340 - Determination of type of liquid waste.

Before granting an industrial waste disposal permit to any applicant, the county engineer shall determine either that the waste is one which will not damage or destroy the public sewer, or cause an unwarranted increase in the cost of maintenance of the public sewer, or retard or inhibit the treatment of the sewage, or is one that can be made acceptable by pretreatment.

(Ord. 6130 Part 6 Ch. 1 § 6106, 1952.)

20.36.350 - Pretreatment—Plans prerequisite to permit issuance when.

In event pretreatment or special facilities are required to make the waste acceptable as provided under the provisions of this Division 2, the applicant for an industrial waste disposal permit may be required to furnish plans showing the method of collections and pretreatment proposed to be used, and a permit shall not be issued until said plans or required modification thereof have been checked and approved by the county engineer.

(Ord. 6130 Part 6 Ch. 1 § 6107, 1952.)

20.36.360 - Permit—Revocation conditions.

By following the procedure set forth in Part 1 of this chapter, the county engineer may recommend the revocation of and the board may revoke any permit if, after a public hearing, if a public hearing is requested, or otherwise, after due investigation, the board finds:

A. A failure of the permittee to correct conditions as required by the county engineer; or

B. Conditions which would justify the denial of a permit; or

C. Fraud or deceit was employed in obtaining the permit; or

D. Any other violation of this Division 2 or of any conditions of any permit including the one to be revoked, license or exception granted hereunder.

(Ord. 7519 § 3, 1959: Ord. 6130 Part 6 Ch. 1 § 6103, 1952.)

20.36.365 - Public participation—Notification of significant violations.

At least annually, the director shall provide public notification, in the largest daily newspaper published in the municipality in which a POTW is located, of industrial users of the POTW which, during the previous 12 months, were significantly violating applicable pretreatment standards or other pretreatment requirements, as provided in 40 CFR 403.8. The director need not provide such notification if a notice meeting all applicable EPA requirements has been published by the POTW operator. The cost of such public notification shall be collected by the director from the discharger causing such violation and/or notification.

(Ord. 89-0101 § 40, 1989.)

20.36.370 - Disconnection following permit revocation.

If a permit is revoked, the county engineer may disconnect from the public sewer any industrial connection sewer which was connected pursuant to such permit.

(Ord. 7519 § 3, 1959: Ord. 6130 Part 6 Ch. 1 § 6103.5, 1952.)

20.36.380 - Pretreatment—Standards and criteria.

The county engineer may establish uniform minimum standards and criteria for the application of such standards for pretreatment of specific industrial waste discharges. The provision of this section shall not prohibit the county engineer from requiring additional pretreatment to accomplish the objective of Section 20.36.340.

(Ord. 11716 § 52, 1978: Ord. 6130 Part 6 Ch. 1 § 6107.5, 1952.)

20.36.390 - Rainwater diversion systems—Authorized when.

The county engineer may authorize the installation of a rainwater diversion system in lieu of roofing to prevent the discharge of stormwaters to the sewer system where roofing is impractical, in conflict with existing laws or regulations, may create a hazardous or unsafe working condition, or may cause undue hardship on the applicant, providing the county engineer finds that:

A. The applicant has applied for an industrial waste disposal permit and has submitted all plans and specifications of the proposed system;

B. The system provides for continuous 24-hour protection to the public sewer system;

C. The system meets minimum operational and component standards as may be established pursuant to Section 20.36.380; and

D. Pollution of underground or surface waters, nor damage to any streets, gutters, storm drains, channels or any public or private property will not be caused by the diverted storm flows.

(Ord. 11716 § 32, 1978: Ord. 6130 Part 6 Ch. 1 § 6111, 1952.)

20.36.400 - Deposit of certain substances prohibited.

A person shall not place, throw or deposit, or cause or permit to be placed, thrown or deposited in any public sewer or main-line sewer any dead animal, offal, or garbage, fish, fruit or vegetable waste, or other solid matters, or materials or obstructions of any kind whatever of such nature as shall clog, obstruct or fill such sewer, or which shall interfere with or prevent the effective use or operation thereof. A person shall not cause or permit to be deposited or discharged into any such sewer any water or sewage, or liquid waste of any kind containing chemicals, greases, oils, tars or other matters in solution or suspension, which may clog, obstruct or fill the same, or which may in any way damage or interfere with or prevent the effective use thereof, or which may necessitate or require frequent repair, cleaning out or flushing of such sewer to render the same operative, or which may obstruct or cause an unwarranted increase in the cost of treatment of the sewage, or which may introduce into a POTW any pollutant(s) which cause pass through or interference. Stormwater runoff shall not be discharged into a sanitary sewer.

(Ord. 89-0101 § 41, 1989: Ord. 83-0092 § 11, 1983: Ord. 6130 Part 6 Ch. 1 § 6108, 1952.)

20.36.402 - National Categorical Pretreatment Standards (NCPS)—Compliance.

Upon the promulgation of mandatory NCPS for any industrial subcategory, the NCPS, if more restrictive than limitations imposed by this division, shall apply. The director may impose a phased compliance schedule to insure that affected industries meet the NCPS. Failure to meet the phased compliance schedule may result in permit suspension or revocation. Those dischargers subject to NCPS shall comply with all reporting requirements in accordance with the General Pretreatment Regulations for Existing and New Sources of Pollution (Title 40, Code of Federal Regulations, Part 403). Facilities subject to this division and regulated by joint permits issued in conjunction with other agencies pursuant to Section 20.28.090 may meet the requirements of this section as set forth in such joint permit and by furnishing such evidence of compliance as may be required by the director.

(Ord. 89-0101 § 42, 1989.)

20.36.404 - Compliance with local limits.

No person shall introduce or cause to be introduced wastewater to the sewer system or a POTW that exceeds specific local limits which have been developed by the receiving POTW. Said local limits shall not apply where more restrictive limitations are imposed by permit or National Categorical Pretreatment Standards.

(Ord. 89-0101 § 43, 1989.)

20.36.410 - Toxic substances.

All toxic chemical substances shall be retained or rendered acceptable before discharge into the public sewer.

(Ord. 6130 Part 6 Ch. 1 § 6114, 1952.)

20.36.420 - Control of pH.

No person shall discharge acids or alkali materials into the public sewer until the Ph has been controlled to a level not less than 6.0 nor at or higher than a level which the director finds excessive. No discharge shall have any corrosive or detrimental characteristics that may cause injury to wastewater treatment, inspection or maintenance personnel or may cause damage to structures, equipment or other physical facilities of the public sewer system.

(Ord. 89-0101 § 44, 1989: Ord. 6130 Part 6 Ch. 1 § 6113, 1952.)

20.36.430 - Temperature restrictions.

A person shall not discharge into the public sewer effluent exceeding a temperature of 140 degrees Fahrenheit or which will exceed 104 degrees Fahrenheit at the point of entry into the POTW treatment plant.

(Ord. 89-0101 § 45, 1989: Ord. 11716 § 33, 1978: Ord. 6130 Part 6 Ch. 1 § 6112, 1952.)

20.36.440 - Cooling water.

No uncontaminated cooling water shall be discharged into a public sanitary sewer.

(Ord. 11716 § 31, 1978: Ord. 10020 § 3 (part), 1970: Ord. 6130 Part 6 Ch. 1 § 6109, 1952.)

20.36.450 - Ground garbage.

Garbage resulting from the preparation of food may be discharged into the public sewer (but not into a STEP sewer system unless as septic tank effluent) if ground to a fineness sufficient to pass through a three-eighths-inch screen. Excessive or unnecessarily large quantities of water shall not be used to flush ground garbage into the sewer.

(Ord. 89-0006 § 9, 1989: Ord. 6130 Part 6 Ch. 1 § 6110, 1952.)

Part 4 - OTHER METHODS OF DISPOSAL

20.36.460 - Applicability of Part 4 provisions.

The provisions of this Part 4 shall pertain to the disposal, discharge or deposit of all industrial waste except where such wastes are discharged to a public sewer in accordance with the provisions of Part 3 of this chapter.

(Ord. 11716 § 34, 1978: Ord. 8690 § 3 (part), 1964; Ord. 6130 Part 6 Ch. 2 § 6201, 1952.)

20.36.470 - Depositing or discharging wastes prohibited without permit.

A person shall not maintain a deposit of waste material, or discharge or deposit or cause or suffer to be discharged or deposited, except as otherwise provided in this Division 2, any waste material or effluent in or upon unincorporated territory of the county of Los Angeles, or into streams or bodies of surface or subsurface water, or storm drains, or flood control channels, where the same is deposited upon or may be carried through or upon unincorporated territory of the county without first securing, in the manner provided in this chapter, a permit from the county engineer so to do, and at all times having an unrevoked permit therefor, unless otherwise exempted by the provisions of this chapter.

(Ord. 6130 Part 6 Ch. 2 § 6202, 1952.)

20.36.475 - Maintenance of existing, nonused facility for industrial waste deposit, discharge or storage.

A person shall obtain a permit from the county engineer to maintain an existing but nonused facility designed or formerly used for the deposit, discharge or storage of industrial wastes. The annual inspection fee for such permit shall be the same as that for Inspection Fee Class A.

Exception: Such permit is not required when, to the satisfaction of the county engineer, compliance with the permit cancellation criteria of Section 20.36.220 has been provided.

(Ord. 84-0109 § 9, 1984.)

20.36.480 - Permit—Not required when.

No permit shall be required for the disposal of waste which consists only of domestic sewage into septic tanks, cesspools or seepage pits constructed pursuant to the provisions of the Plumbing Code, as set out at Title 28 of this code.

(Ord. 8690 § 12 (part), 1964: Ord. 6130 Part 6 Ch. 2 § 6203, 1952.)

20.36.490 - Permit—Application—Form and contents.

Any person requiring a permit under the provisions of this Part 4 shall make written application therefor to the county engineer, giving such information as the county engineer may require. The county engineer shall provide printed application forms, indicating thereon the information to be furnished by the applicant. The county engineer may require from the applicant, in addition to the information furnished on the printed form, any additional information including detailed plans and specifications which will enable the county engineer to determine that the proposed discharge or deposit and plan of operation complies with the provisions of this Division 2 and other applicable laws and ordinances.

(Ord. 11716 § 35, 1978: Ord. 10276 § 2, 1971: Ord. 7010 § 1 (part), 1956: Ord. 6130 Part 6 Ch. 2 § 6204, 1952.)

20.36.500 - Permit—Plans required with application when.

A. The county engineer may require that an application for a permit to dispose of industrial waste shall be accompanied by suitable plans showing the proposed method of collection, treatment and disposal, and a permit shall not be issued until said plans or required modification thereof have been checked and approved by the county engineer.

B. The county engineer may submit the application or plans, or both, to any public agency for comment or recommendation.

(Ord. 6541 § 4, 1954: Ord. 6130 Part 6 Ch. 2 § 6205, 1952.)

20.36.510 - Use of public property—Permit required when.

Whenever facilities for the discharge of industrial waste connect to structures, or encroach on the property or rights-of-way owned or controlled by a public agency, the county engineer may either:

A. Require that the applicant obtain a property-use permit, license, easement, or other right to use said properties prior to the issuance of a permit to dispose of industrial waste; or

B. Issue such permit subject to the execution of a property-use permit, license, easement, or other right to use said properties.

(Ord. 6130 Part 6 Ch. 2 § 6206, 1952.)

20.36.520 - Notification of public agencies required.

Whenever an application for permit is filed, the county engineer shall notify the county health officer and such other public agencies as in his opinion may be affected, and shall request a prompt reply containing their recommendations. Upon request, he shall secure from the applicant and furnish to the affected department or agency such additional plans or information as it may require, relative to such application.

(Ord. 6130 Part 6 Ch. 2 § 6207, 1952.)

20.36.530 - Investigation by county officers and departments.

Whenever notified that an application for permit has been filed, the county health officer, the county engineer and other county departments affected shall make such investigations as in their opinions are required. The health officer and such other departments shall, within 20 days of notification of the filing of the application, make and file reports of their investigations with the county engineer. Such reports shall narrate all facts found, and shall recommend that the application be denied, or be granted in whole or in part, and if granted, subject to what conditions, if any. Such report may also disclaim interest in the application.

(Ord. 6130 Part 6 Ch. 2 § 6208, 1952.)

20.36.540 - Deposits creating menace to public health—Notice requirements.

When the county health officer finds that industrial waste or effluent, or any other material, is being discharged or deposited in such manner as to create a menace to the public health, he may serve notice of violation upon the person owning or operating the premises, describing the conditions, and requiring the prompt correction thereof and shall so notify the county engineer.

(Ord. 6130 Part 6 Ch. 2 § 6209, 1952.)

20.36.550 - Permit—Issuance conditions.

The county engineer shall issue a permit as required by this Division 2 if he determines that all of the following conditions have been met:

A. All fees or deposits hereinafter required have been paid;

B. Recommendations and conditions of the various county departments, as contained in their reports, if any, have been met. The county engineer may waive this provision except as to the requirements of the county health officer;

C. The material to be discharged or deposited does not or will not, in the opinion of the county health officer, constitute a potential public nuisance or menace to the public health and safety, and will not violate other provisions of the Health and Safety Code of the state of California;

D. The material to be discharged or deposited does not or will not involve disposal of any toxic materials or chemicals in such manner as to cause pollution of any stream, watercourse, lake, or other body of water, or underground or surface water storage reservoir, either natural or artificial;

E. The material to be discharged or deposited does not or will not damage or adversely affect any storm drain, channel, or any public or private property;

F. Under existing circumstances and conditions it is necessary and reasonable so to dispose of such waste matter.

(Ord. 6130 Part 6 Ch. 2 § 6210, 1952.)

Part 5 - TREATMENT PLANTS AND FACILITIES

20.36.560 - Installation—Required when.

Industrial waste treatment plants or facilities shall be installed whenever the county engineer shall find as a fact that such facilities are required to safeguard the public health; prevent pollution of streams or bodies of surface or underground water; prevent pollution of water wells or storage reservoirs, either natural or artificial; prevent damage or increased maintenance costs in the sewerage system; prevent damage to public or private property; prevent a public nuisance; or to comply with applicable regulations of any other public agency.

(Ord. 6130 Part 6 Ch. 5 § 6501, 1952.)

20.36.570 - Pretreatment—Standards and criteria.

The county engineer may establish uniform minimum standards and criteria for the application of such standards for pretreatment of specific industrial waste discharges. The provisions of this section shall not prohibit the county engineer from requiring additional pretreatment to accomplish the objective of Section 20.36.340 of this chapter.

(Ord. 11716 § 49, 1978: Ord. 6130 Part 6 Ch. 5 § 6501.5, 1952.)

20.36.580 - Facilities not required when.

Installation of industrial waste treatment facilities may not be required if the county engineer determines that:

A. The waste is prohibited for discharge to the available systems by this Division 2 or other applicable ordinances or regulations;

B. The affected industry has guaranteed to separately dispose of any objectionable waste to legal points of disposal;

C. Adequate facilities are to be provided for the collection and containment of such wastes, and that provisions have been made to prevent intentional or accidental discharge of such wastes to the sewer system, ground surface, surface or underground water supplies, rivers, channels, storm drains, public streets or gutters;

D. An application for industrial waste disposal permit has been filed in accordance with Part 4 of this chapter; and

E. All fees required by this Division 2 have been paid.

(Ord. 11716 § 50, 1978: Ord. 6130 Part 6 Ch. 5 § 6502, 1952.)

20.36.590 - Installation—Access of inspection and maintenance.

Interceptors or other industrial waste treatment plants or facilities shall be so installed and constructed that they shall be at all times easily accessible for inspection and maintenance.

(Ord. 6130 Part 6 Ch. 5 § 6503, 1952.)

20.36.600 - Separation of domestic and industrial wastes.

All domestic wastes from restrooms, showers, drinking fountains, etc., shall be kept separate from all industrial wastes until the industrial wastes have passed through any required pretreatment facilities.

(Ord. 11716 § 51, 1978: Ord. 6130 Part 6 Ch. 5 § 6503.5, 1952.)

20.36.610 - Operation and maintenance.

All industrial waste treatment plants or facilities or water pollution control plants, and all appurtenances thereto, existing as of October 23, 1964, or hereafter constructed under jurisdiction of this Division 2 shall be maintained, by the owner or person having jurisdiction of the property affected, in good operating condition and in a safe and sanitary condition at all times. All devices and safeguards which are required by this Division 2 for the operation thereof, and all records of such operation, shall be maintained in good order.

(Ord. 8690 § 3 (part), 1964; Ord. 6130 Part 6 Ch. 5 § 6504, 1952.)

20.36.620 - Inspection and testing.

The county engineer shall make tests of industrial wastes, periodic inspections of water pollution control plants and industrial waste treatment plants or facilities to determine whether such treatment plants or facilities are maintained in accordance with the requirements of this Division 2. The county engineer shall also make periodic tests on samples of sewage, industrial waste or effluents obtained at the point of discharge or deposit to determine whether such discharges or deposits are made in accordance with the provisions of this division.

(Ord. 8690 §§ 3 (part) and 12 (part), 1964; Ord. 6130 Part 6 Ch. 5 § 6505, 1952.)

20.36.630 - Right of entry for inspection authorized when.

A. The county engineer shall be permitted at all reasonable hours to inspect water pollution control plants and industrial waste treatment plants or facilities, and to enter and inspect the place, enclosure or structure where industrial wastes or effluent are discharged or deposited.

B. A person shall not refuse to permit, and shall not hinder or obstruct in any way, any reasonable inspection or investigation of such treatment plant or facilities or deposits or discharges by the county engineer.

(Ord. 8690 § 3 (part), 1964; Ord. 6130 Part 6 Ch. 5 § 6506, 1952.)

20.36.640 - Owner's safety regulations—Compliance by inspector.

Inspector shall comply with any special safety regulations brought to his attention by the owner or operator.

(Ord. 6130 Part 6 Ch. 5 § 6507, 1952.)

20.36.650 - Test manholes or other structures.

The county engineer may require the installation of a test manhole or other structure through which all industrial waste shall pass. Said structure shall be so designed that flows may be measured and samples readily obtained therefrom.

(Ord. 6130 Part 6 Ch. 5 § 6508, 1952.)

Appendix D

1996 Sewer Master Plan Hydraulic Constraints

The table below is an excerpt from the 1996 Sewer Master Plan listing pipe segments found to be hydraulically deficient.

Street	From	To	Length (feet)	Diameter (inches)
Grandridge Ave	Alley east of Isabella Ave	Arlight St	1,050	8
Alley east of Isabella Ave	Markland Rd	Floral Dr	802	12
Fulton Ave	Markland Dr	Riggin St	481	8
Emerson Ave	New Ave	Alhambra Ave	1,536	8
Chandler Ave	Harding Ave	300 feet north	300	10
Easement	Cipriano Pl	El Portal Ave	770	10
Easement/Alley	Harding Ave	Ynez Ave	2,250	12
Gladys Ave	Emerson Ave	End of street	700	8
Emerson Ave	Nicholson Ave	Lincoln Ave	500	8
Bradshawe Ave	1018 Bradshawe Ave	Bradshawe Pl	200	8
Divina Vista St	Ynez Ave	Top of hill	300	8
Fulton Ave	Fernfield Dr	Gleason St	284	10
Sefton Ave	Newmark Ave	310 feet south	310	8
Garvey Ave	Alhambra Ave	Nicholson Ave	612	8
Floral Dr	Atlantic Blvd	Collegian Ave	179	8
Garvey Ave	Electric Ave	Marguerita Ave	372	8
Harding Ave	Ynez Ave	Chandler Ave	566	12
Easement north of El Portal Pl	Atlantic Blvd	Alley west of Atlantic Blvd	140	12
Emerson Ave	Elizabeth Ave	200 feet west	200	10

Appendix E

General Order 2022-0103-DWQ

STATE WATER RESOURCES CONTROL BOARD
1001 I Street, Sacramento, California 95814
ORDER WQ 2022-0103-DWQ

STATEWIDE WASTE DISCHARGE REQUIREMENTS

GENERAL ORDER FOR SANITARY SEWER SYSTEMS

This Order was adopted by the State Water Resources Control Board on December 6, 2022.
This Order shall become effective **180 days after the Adoption Date of this General Order,** on June 5, 2023. The Enrollee shall comply with the requirements of this Order upon the Effective Date of this General Order.

This General Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, protect the Enrollee from liability under federal, state, or local laws, nor create a vested right for the Enrollee to continue the discharge of waste.

CERTIFICATION

I, Jeanine Townsend, Clerk to the Board, do hereby certify that this Order with all attachments is a full, true, and correct copy of the Order adopted by the State Water Board on December 6, 2022.

AYE:	Chair E. Joaquin Esquivel Vice Chair Dorene D'Adamo Board Member Sean Maguire Board Member Laurel Firestone Board Member Nichole Morgan
NAY:	None
ABSENT:	None
ABSTAIN:	None

Courtney Tyler for
Jeanine Townsend
Clerk to the Board

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1. INTRODUCTION

This General Order regulates sanitary sewer systems designed to convey sewage. For the purpose of this Order, a sanitary sewer system includes, but is not limited to, pipes, valves, pump stations, manholes, siphons, wet wells, diversion structures and/or other pertinent infrastructure, upstream of a wastewater treatment plant headworks. A sanitary sewer system includes:

- 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.

Sewage is untreated or partially treated domestic, municipal, commercial and/or industrial waste (including sewage sludge), and any mixture of these wastes with inflow or infiltration of stormwater or groundwater, conveyed in a sanitary sewer system. Sewage contains high levels of suspended solids, non-digested organic waste, pathogenic bacteria, viruses, toxic pollutants, nutrients, oxygen-demanding organic compounds, oils, grease, pharmaceuticals, and other harmful pollutants.

For the purpose of this General Order, a spill is a discharge of sewage from any portion of a sanitary sewer system due to a sanitary sewer system overflow, operational failure, and/or infrastructure failure. Sewage and its associated wastewater spilled from a sanitary sewer system may threaten public health, beneficial uses of waters of the State, and the environment.

This General Order serves as statewide waste discharge requirements and supersedes the previous State Water Resources Control Board (State Water Board) Order 2006-0003-DWQ and amendments thereafter. All sections and attachments of this General Order are enforceable by the State Water Board and Regional Water Quality Control Boards (Regional Water Boards). Through this General Order, the State Water Board requires an Enrollee to:

- Comply with federal and state prohibitions of discharge of sewage to waters of the State, including federal waters of the United States;
- Comply with specifications, and notification, monitoring, reporting and recordkeeping requirements in this General Order that implement the federal Clean Water Act, the California Water Code (Water Code), water quality control plans (including Regional Water Board Basin Plans) and policies;
- Proactively operate and maintain resilient sanitary sewer systems to prevent spills;
- Eliminate discharges of sewage to waters of the State through effective implementation of a Sewer System Management Plan;
- Monitor, track, and analyze spills for ongoing system-specific performance improvements; and
- Report noncompliance with this General Order per reporting requirements.

An Enrollee is a public, private, or other non-governmental entity that has obtained approval for regulatory coverage under this 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 (1) mile or less in length where the State Water Board or a Regional Water Board requires regulatory coverage under this 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 Board or a Regional Water Board requires regulatory coverage under this Order in response to a history of spills, proximity to surface water, or other factors supporting regulatory coverage.

For the purpose of this Order, a sanitary sewer system includes only systems owned and/or operated by the Enrollee.

2. REGULATORY COVERAGE AND APPLICATION REQUIREMENTS

2.1. Requirements for Continuation of Existing Regulatory Coverage

To continue regulatory coverage from previous Order 2006-0003-DWQ under this General Order, **within the 60-days-prior-to the Effective Date of this General Order**, the Legally Responsible Official of an existing Enrollee shall electronically certify the Continuation of Existing Regulatory Coverage form in the online California Integrated Water Quality System (CIWQS) Sanitary Sewer System Database. The Legally Responsible Official will receive an automated CIWQS-issued Notice of Applicability email, confirming continuation of regulatory coverage under this General Order. All regulatory coverage under previous Order 2006-0003-DWQ will cease on the Effective Date of this Order.

An Enrollee continuing existing regulatory coverage is not required to submit a new application package or pay an application fee for enrollment under this General Order. The annual fee due date for continued regulatory coverage from previous Order 2006-0003-DWQ to this General Order remains unchanged.

A previous Enrollee of Order 2006-0003-DWQ that fails to certify the Continuation of Existing Regulatory Coverage form in the online CIWQS database by the Effective Date of this Order is considered a New Applicant, and will not have regulatory coverage for its sanitary sewer system(s) until:

- A new application package for system(s) enrollment is submitted per section 2.2 (Requirements for New Regulatory Coverage) below; and
- The new application package is approved per section 2.2.2 (Approval of Application Package (For New Applicants Only)).

2.2. Requirements for New Regulatory Coverage

No later than 60 days prior to commencing and/or assuming operation and maintenance responsibilities of a sanitary sewer system, a duly authorized representative that

maintains legal authority over the public or private sanitary sewer system is required to enroll under this General Order by submitting a complete application package as specified below and as provided in Attachment B (Application for Enrollment Form) of this General Order.

Unless required by a Regional Water Board, a public agency that owns a combined sewer system subject to the Combined Sewer Overflow Control Policy (33 U.S. Code § 1342(q)), is not required to enroll, under this Order, the portions of its sanitary sewer system(s) that collects combined sanitary wastewater and stormwater.

2.2.1. Application Package Requirements

The Application for Enrollment package for new applicants must include the following items:

- **Application for Enrollment Form**. The form in Attachment B of this General Order must be completed, signed, and certified by a Legally Responsible Official, in accordance with section 5.1 (Designation of a Legally Responsible Official) of this General Order. If an electronic Application for Enrollment form is available at the time of application, a new applicant shall submit its application form electronically; and
- **Application Fee**. A fee payable to the "State Water Resources Control Board" in accordance with the Fee Schedule in the California Code of Regulations, Title 23, section 2200, or subsequent fee regulations updates.

  The application fee for this General Order is based on the sanitary sewer system's threat to water quality and complexity designations of category 2C or 3C, which is assigned based on the population served by the system. The current Fee Schedule for sanitary sewer systems is listed under subdivision (a)(2) at the following website: Fee Schedule (https://www.waterboards.ca.gov/resources/fees/water_quality/).

2.2.2. Approval of Application Package (For New Applicants Only)

The Deputy Director of the State Water Board, Division of Water Quality (Deputy Director) will consider approval of each complete Application for Enrollment package. The Deputy Director will issue a Notice of Applicability letter which serves as approved regulatory coverage for the new Enrollee.

If the submitted application package is not complete in accordance with section 2.2.1 (Application Package Requirements) of this General Order, the Deputy Director will send a response letter to the applicant outlining the application deficiencies. The applicant will have 60 days from the date of the response letter to correct the application deficiencies and submit the identified items necessary to complete the application package to the State Water Board.

2.2.3. Electronic Reporting Account for New Enrollee

Within 30 days after the date of the Approval of Complete Application Package for System Enrollment, a duly authorized representative for the Enrollee shall obtain a CIWQS Sanitary Sewer System Database user account by clicking the "User Registration" button and following the directions on the CIWQS Login Page

(https://ciwqs.waterboards.ca.gov). If additional assistance is needed to establish an online CIWQS user account, contact State Water Board staff by email at CIWQS@waterboards.ca.gov. The online user account will provide the Enrollee secure access to the online CIWQS database for electronic reporting.

2.3. Regulatory Coverage Transfer

Regulatory coverage under this General Order is not transferable to any person or party except after an existing Enrollee submits a written request for a regulatory coverage transfer to the Deputy Director, at least 60 days in advance of any proposed system ownership transfer. The written request must include a written agreement between the existing Enrollee and the new Enrollee containing:

- Acknowledgement that the transfer of ownership is solely of an existing system with an existing waste discharge identification (WDID) number;
- The specific ownership transfer date in which the responsibility and regulatory coverage transfer between the existing Enrollee and the new Enrollee becomes effective; and
- Acknowledgement that the existing Enrollee is liable for violations occurring up to the ownership transfer date and that the new Enrollee is liable for violations occurring on and after the ownership transfer date.

The Deputy Director will consider approval of the written request. If approved, the Deputy Director will issue a Notice of Applicability letter which serves as an approved transfer of regulatory coverage to the new Enrollee.

3. FINDINGS

3.1. Legal Authorities

3.1.1. Federal and State Regulatory Authority

The objective of the Clean Water Act is to restore and maintain the chemical, physical, and biological integrity of the waters of the United States (33 U.S.C. 1251). The Water Code authorizes the State Water Board to implement the Clean Water Act in the State and to protect the quality of all waters of the State (Water Code sections 13000 and 13160).

3.1.2. Discharge of Sewage

A discharge of untreated or partially treated sewage is a discharge of waste as defined in Water Code section 13050(d) that could affect the quality of waters of the State and is subject to regulation by waste discharge requirements issued pursuant to Water Code section 13263 and Chapter 9, Division 3, Title 23 of the California Code of Regulations. A discharge of sewage may pollute and alter the quality of the waters of the State to a degree that unreasonably affects the beneficial uses of the receiving water body or facilities that serve those beneficial uses (Water Code section 13050(l)(1)).

3.1.3 Water Boards Authority to Require Technical Reports, Monitoring, and Reporting

Water Code sections 13267 and 13383 authorize the Regional Water Boards and the State Water Board to establish monitoring, inspection, entry, reporting, and recordkeeping requirements. Water Code section 13267(b), authorizes the Regional Water Boards to "require any person who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste within its region… or is suspected of having discharged or discharging, or who proposes to discharge, waste outside of its region that could affect the quality of water within its region shall furnish, under penalty of perjury, technical or monitoring reports which the regional board requires…In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports and shall identify the evidence that supports requiring that person to provide the reports." Water Code section 13267(f) authorizes the State Water Board to require this information if it consults with the Regional Water Boards and determines that it will not duplicate the efforts of the Regional Water Boards. The State Water Board has consulted with the Regional Water Boards and made this determination.

The technical and monitoring reports required by this General Order and Attachment E (Notification, Monitoring, Reporting and Recordkeeping Requirements) are necessary to evaluate and ensure compliance with this General Order. The effort to develop required technical reports will vary depending on the system size and complexity and the needs of the specific technical report. The burden and cost of these reports are reasonable and consistent with the interest of the state in protecting water quality, which is the primary purpose of requiring the reports.

Water Code section 13383(a) authorizes the Water Boards to "establish monitoring, inspection, entry, reporting, and recordkeeping requirements… for any person who discharges, or proposes to discharge, to navigable waters, any person who introduces pollutants into a publicly owned treatment works, any person who owns or operates, or proposes to own or operate, a publicly owned treatment works or other treatment works treating domestic sewage, or any person who uses or disposes, or proposes to use or dispose, of sewage sludge." Section 13383(b) continues, "the state board or the regional boards may require any person subject to this section to establish and maintain monitoring equipment or methods, including, where appropriate, biological monitoring methods, sample effluent as prescribed, and provide other information as may be reasonably required."

Reporting of spills from privately owned sewer laterals and systems pursuant to section 5.15 (Voluntary Reporting of Spills from Privately-Owned Sewer Laterals and/or Private Sanitary Sewer Systems) of this General Order is authorized by Water Code section 13225(c) and encouraged by the State Water Board, wherein a local agency may investigate and report on any technical factors involved in water quality control provided the burden including costs of such reports bears a reasonable relationship to the need for the report and the benefits to be obtained therefrom. The burden of reporting private spills under section 5.15 (Voluntary Reporting of Spills from Privately-Owned Sewer Laterals and/or Private Sanitary Sewer Systems) is minimal and is outweighed by the benefit of providing Regional Water Boards an opportunity to respond to these spills

when an Enrollee, which in many cases has a contractual relationship with the owner of the private system, has knowledge of the spills.

3.1.4. Water Board Authority to Prescribe General Waste Discharge Requirements

Water Code section 13263(i) provides that the State Water Board may prescribe general waste discharge requirements for a category of discharges if the State Water Board finds or determines that:

- The discharges are produced by the same or similar operations;
- The discharges involve the same or similar types of waste;
- The discharges require the same or similar treatment standards; and
- The discharges are more appropriately regulated under general waste discharge requirements than individual waste discharge requirements.

Since 2006, the State Water Board has been regulating over 1,100 publicly owned sanitary sewer systems (See section 3.1.5 (Previous Statewide General Waste Discharge Requirements) of this General Order). California also has a large unknown number of unregulated privately owned sanitary sewer systems. All waste conveyed in publicly owned and privately owned sanitary sewer systems (as defined in this General Order) is comprised of untreated or partially treated domestic waste and/or industrial waste. Generally, sanitary sewer systems are designed and operated to convey waste by gravity or under pressure; system-specific design elements and system-specific operations do not change the common nature of the waste, the common threat to public health, or the common impacts on water quality. Spills of waste from a sanitary sewer system prior to reaching the ultimate downstream treatment facility are unauthorized and enforceable by the State Water Board and/or a Regional Water Board. Therefore, spills from sanitary sewer systems are more appropriately regulated under general waste discharge requirements.

As specified in Water Code sections 13263(a) and 13241, the implementation of requirements set forth in this Order is for the reasonable protection of past, present, and probable future beneficial uses of water and the prevention of nuisance. The requirements implement the water quality control plans (Basin Plans) for each Regional Water Board and take into account the environmental characteristics of sewer service areas and hydrographic units within the state. Additionally, the State Water Board has considered water quality conditions that could reasonably be achieved through the coordinated control of all factors that affect water quality, costs associated with compliance with these requirements, the need for developing housing within California, and the need to protect sources of drinking water and other water supplies.

3.1.5. Previous Statewide General Waste Discharge Requirements

On May 2, 2006, the State Water Board adopted Order 2006-0003-DWQ serving as Waste Discharge Requirements pursuant to Article 4, Chapter 4, Division 7 of the Water Code (commencing with section 13260) for inadvertent discharges to waters of the State. Order 2006-0003-DWQ prohibited discharges of untreated or partially treated sewage. Order 2006-0003-DWQ also required system-specific management, operation, and maintenance of publicly owned sewer systems greater than one mile in length.

To decrease the impacts on human health and the environment caused by sewage spills, the previous Order required enrollees to develop a rehabilitation and replacement plan that identifies system deficiencies and prioritizes short-term and long-term rehabilitation actions. The previous Order also required enrollees to:

1. Maintain information that can be used to establish and prioritize appropriate Sewer System Management Plan activities; and
2. Implement a proactive approach to reduce spills.

The previous Order required Sewer System Management Plan elements for "the proper and efficient management, operation, and maintenance of sanitary sewer systems, while taking into consideration risk management."

On July 30, 2013, the State Water Board amended General Order 2006-0003-DWQ with Order WQ 2013-0058-EXEC, Amending Monitoring and Reporting Program for Statewide General Waste Discharge Requirements for Sanitary Sewer Systems.

Many enrollees of Order 2006-0003-DWQ have already implemented proactive measures to reduce sewage spills. Other enrollees, however, still need technical assistance and funding to improve sanitary sewer system operation and maintenance for the reduction of sewage spills.

3.1.6. Existing Memorandum of Agreement with California Water Environment Association

The California Water Environment Association is a nonprofit organization dedicated to providing water industry certifications, training, and networking opportunities. The Association's Technical Certification Program provides accredited sanitary sewer system operator certification for collection system operators and maintenance workers.

On February 10, 2016, the State Water Board entered into a collaborative agreement with the Association titled *Memorandum of Agreement Between the California State Water Resources Control Board and the California Water Environment Association - Training Regarding Requirements Set Forth in Statewide General Waste Discharge Requirements for Sanitary Sewer Systems*. The Memorandum sets forth collaborative training necessary for regulated sanitary sewer system personnel to operate and maintain a well operating system and ensure full compliance with statewide sewer system regulations.

On March 15, 2018, the State Water Board and the California Water Environment Association amended the existing Memorandum of Agreement to include collaborative outreach and expand training needs associated with further updates to Water Board regulations for sanitary sewer systems. The State Water Board encourages further Agreement updates as necessary to support improved sewer system operations and the professionalism of collection system operators.

3.2. General

3.2.1. Waters of the State

Waters of the State include any surface water or groundwater, including saline waters, within the boundaries of the state as defined in Water Code section 13050(e), and are inclusive of waters of the United States.

3.2.2. Sanitary Sewer System Spill Threats to Public Health and Beneficial Uses

Sewage contains high levels of suspended solids, pathogenic organisms, toxic pollutants, nutrients, oxygen-demanding organic compounds, oil and grease and other pollutants. Sewage spills may cause a public nuisance, particularly when sewage is discharged to areas with high public exposure such as streets and surface waters used for drinking, irrigation, fishing, recreation, or other public consumption or contact uses.

More specifically, sanitary sewer spills may:

- Adversely affect aquatic life and/or threaten water quality when reaching receiving waters;
- Inadvertently release trash, including plastics;
- Impair the recreational use and aesthetic enjoyment of surface waters by polluting surface water or groundwater;
- Threaten public health through direct public exposure to bacteria, viruses, intestinal parasites, and other microorganisms that can cause serious illness such as gastroenteritis, hepatitis, cryptosporidiosis, and giardiasis;
- Negatively impact ecological receptors and biota within surface waters; and
- Cause nuisance including odors, closure of beaches and recreational areas, and property damage.

Sanitary sewer system spills may pollute receiving waters and threaten beneficial uses of surface water and groundwater. Potentially threatened beneficial uses include, but are not limited to the following (with associated acronym representations as included in statewide water quality control plans and Regional Water Boards' Basin Plans):

- Municipal and Domestic Supply (MUN)
- Water Contact Recreation (REC-1) and Non-Contact Water Recreation (REC-2)
- Cold Freshwater Habitat (COLD)
- Warm Freshwater Habitat (WARM)
- Native American Culture (CUL)
- Wildlife Habitat (WILD)
- Rare, Threatened, or Endangered Species (RARE)
- Spawning, Reproduction, and/or Early Development (SPWN)
- Wetland Habitat (WET)
- Agricultural Supply (AGR)
- Estuarine Habitat (EST)

- Commercial and Sport Fishing (COMM)
- Subsistence Fishing (SUB)
- Tribal Tradition and Culture (CUL)
- Tribal Subsistence Fishing (T-SUB)
- Aquaculture (AQUA)
- Marine Habitat (MAR)
- Preservation of Biological Habitats of Special Significance (BIOL)
- Migration of Aquatic Organisms (MIGR)
- Shellfish Harvesting (SHELL)
- Industrial Process Supply (PROC)
- Industrial Service Supply (IND)
- Hydropower Generation (POW)
- Navigation (NAV)
- Flood Peak Attenuation/Flood Water Storage (FLD)
- Water Quality Enhancement (WQE)
- Fresh Water Replenishment (FRSH)
- Groundwater Recharge (GWR)
- Inland Saline Water Habitat (SAL)

3.2.3. Proactive Sanitary Sewer System Management to Eliminate Spill Causes

Finding 3 of the previous Order, 2006-0003-DWQ, states: “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), which affect the likelihood of an SSO [sanitary sewer overflow]. A proactive approach that requires Enrollees to ensure a system-wide operation, maintenance, and management plan is in place will reduce the number and frequency of SSOs within the state. This approach will in turn decrease the risk to human health and the environment caused by SSOs.”

Many spills are preventable through proactive attention on sanitary sewer system management using the best practices and technologies available to address major causes of spills, including but not limited to:

- Blockages from sources including but not limited to:
  - Fats, oils and grease;
  - Tree roots;
  - Rags, wipes and other paper, cloth and plastic products; and
  - Sediment and debris.
- Sewer system damage and exceedance of sewer system hydraulic capacity from identified system-specific environmental, and climate-change impacts, including but not limited to:

- Sea level rise impacts including flooding, coastal erosion, seawater intrusion, tidal inundation and submerged lands;
- Increased surface water flows due to higher intensity rain events;
- Flooding;
- Wildfires and wildfire induced impacts;
- Earthquake induced damage;
- Landslides; and
- Subsidence.

- Infrastructure deficiencies and failures, including but not limited to:
  - Pump station mechanical failures;
  - System age;
  - Construction material failures;
  - Manhole cover failures;
  - Structural failures; and
  - Lack of proper operation and maintenance.
- Insufficient system capacity (temporary or sustained), due to factors including but not limited to:
  - Excessive and/or increased storm or groundwater inflow/infiltration;
  - Insufficient capacity due to population increase and/or new connections from industrial, commercial and other system users; and
  - Stormwater capture projects utilizing a sanitary sewer system to convey stormwater to treatment facilities for reuse.
- Community impacts, including but not limited to:
  - Power outages;
  - Vandalism; and
  - Contractor-caused or other third party-caused damages.

3.2.4. Underground Sanitary Sewer System Leakage

Portions of some sanitary sewer systems may leak, causing underground exfiltration (exiting) of sewage from the system. Exfiltrated sewage that remains in the underground infrastructure trench and/or the soil matrix, and that does not discharge into waters of the State (surface water or groundwater) may not threaten beneficial uses.

Underground exfiltrated sewage may threaten beneficial uses if discharged to waters of the State. Exfiltrated sewage that discharges to groundwater may impact beneficial uses of groundwater and pollute groundwater supply. Additionally, if in close proximity, exfiltrated sewage may enter into a compromised underground drainage conveyance system that discharges into a water of the United States, or into groundwater that is hydrologically connected to (feeds into) a water of the United States, thus potentially causing: (1) a Clean Water Act violation, (2) threat and impact to beneficial uses, and/or (3) surface water pollution.

3.2.5. Proactive Sanitary Sewer System Management to Reduce Inflow and Infiltration

Excessive inflow (stormwater entering) and infiltration (groundwater seepage entering) to sanitary sewer systems is preventable through proactive sewer system management using the best practices and technologies available. The efficiency of the downstream wastewater treatment processes is dependent on the performance of the sanitary sewer system. When the structural integrity of a sanitary sewer system deteriorates, high volumes of inflow and infiltration can enter the sewer system. High levels of inflow and infiltration increase the hydraulic load on the downstream treatment plant, which can reduce treatment efficiency, lead to bypassing a portion of the treatment process, cause illegal discharge of partially treated effluent, or in extreme situations make biological treatment facilities inoperable (e.g., wash out the biological organisms that treat the waste).

3.3. Water Quality Control Plans, Policies and Resolutions

The nine Regional Water Boards have adopted region-specific water quality control plans (commonly referred to as Basin Plans) that designate beneficial uses, establish water quality objectives, and contain implementation programs and policies to achieve those objectives. The State Water Board has adopted statewide water quality control plans, policies and resolutions establishing statewide water quality objectives, implementation programs and initiatives.

3.3.1. State Water Board Antidegradation Policy

On October 28, 1968, the State Water Board adopted Resolution 68-16, titled Statement of Policy with Respect to Maintaining High Quality of Waters in California, which incorporates the federal antidegradation policy. Resolution 68-16 requires that existing water quality be maintained unless degradation is justified based on specific findings.

The continued prohibition of sewage discharges from sanitary sewer systems into waters of the State aligns with Resolution 68-16. A sewage discharge from sanitary sewers to waters of the State is prohibited by this Order. Therefore, this Order does not allow degradation of waters of the State. In addition, this Order: (1) further expands the existing prohibition of sewage discharges to include waters of the State, in addition to waters of the United States as provided in previous Order 2006-0003-DWQ, and (2) enhances the ability for Water Board enforcement of violations of the established prohibitions.

3.3.2. State Water Board Sources of Drinking Water Policy

On May 19,1988, the State Water Board adopted Resolution 88-63 (amended on February 1, 2006), titled Sources of Drinking Water, establishing state policy that all waters of the State, with certain exceptions, are suitable or potentially suitable for municipal or domestic supply.

3.3.3. State Water Board Cost of Compliance Resolution

On September 24, 2013, the State Water Board adopted Resolution 2013-0029, titled Directing Actions in Response to Efforts by Stakeholders on Reducing Costs of

Compliance While Maintaining Water Quality Protection. Through this resolution, the State Water Board committed to continued stakeholder engagement in identifying and implementing measures to reduce costs of compliance with regulatory orders while maintaining water quality protection and improving regulatory program outcomes.

3.3.4. State Water Board Human Right to Water Resolution

On February 16, 2016, the State Water Board adopted Resolution 2016-0010, titled Adopting the Human Right to Water as a Core Value and Directing its Implementation in Water Board Programs and Activities, addressing the human right to water as a core value and directing Water Board programs to implement requirements to support safe drinking water for all Californians.

On November 16, 2021, the State Water Board adopted Resolution 2021-0050 titled Condemning Racism, Xenophobia, Bigotry, and Racial Injustice, and Strengthening Commitment to Racial Equity, Diversity, Inclusion, Access, and Anti-racism. Among other actions, through Resolution 2021-0050, the State Water Board, in summary as corresponding to this General Order, reaffirms its commitment to its Human Right to Water resolution, upholding that every human being in California deserves safe, clean, affordable, and accessible water for human consumption, cooking, and sanitation purposes. Resolution 2021-0050 provides the State Water Board commitment to:

- Protect public health and beneficial uses of waterbodies in all communities, including communities disproportionately burdened by wastes discharge of waste to land and surface water;
- Restore impaired surface waterbodies and degraded aquifers; and
- Promote multi-benefit water quality projects.

Through Resolution 2021-0050, the State Water Board also commits to expanding implementation of its Climate Change Resolution to address the disproportionate effects of extreme hydrologic conditions and sea-level rise on Black, Indigenous, and people of color communities, prioritizing:

- The right to safe, clean, affordable, and accessible drinking water and sanitation;
- Sustainable management and protection of local groundwater resources;
- Healthy watersheds; and
- Access to surface waterbodies that support subsistence fishing.

On June 7, 2022, the State Water Board adopted a Resolution, titled Authorizing the Executive Director or Designee to Enter into One or More Multi-Year Contracts Up to a Combined Sum of $4,000,000 for a Statewide Wastewater Needs Assessment, supporting the equitable access to sanitation for all Californians and implementation of Resolutions 2016-0010 and 2021-0050.

This General Order supports the State Water Board priority in collecting a comprehensive set of data for California's wastewater systems, including sanitary sewer systems. Data reported per the requirements of this Order will be used with data from other Water Boards' programs, to further develop criteria and create a statewide risk

framework to prioritize critical funding and infrastructure investments for California's most vulnerable populations, including disadvantaged or severely disadvantaged communities with inadequate or failing sanitation systems and threatened access to healthy drinking water supplies.

3.3.5. State Water Board Open Data Resolution

On July 10, 2018, the State Water Board adopted Resolution 2018-0032, titled Adopting Principles of Open Data as a Core Value and Directing Programs and Activities to Implement Strategic Actions to Improve Data Accessibility and Associated Innovation, directing regulatory programs to assure all monitoring and reporting requirements support the State Water Boards' Open Data Initiative.

3.3.6. State Water Board Response to Climate Change

On March 7, 2017, the State Water Board adopted Resolution 2017-0012, titled Comprehensive Response to Climate Change, requiring a proactive response to climate change in all California Water Board actions, with the intent to embed climate change consideration into all programs and activities.

3.4. California Environmental Quality Act

The adoption of this Order is an action to reissue general waste discharge requirements that is exempt from the California Environmental Quality Act (Public Resources Code section 21000 et seq.) because it is an action taken by a regulatory agency to assure the protection of the environment and the regulatory process involves procedures for protection of the environment (Cal. Code Regs., Title 14, section 15308). In addition, the action to adopt this Order is exempt from CEQA pursuant to Cal. Code Regs., Title 14, section 15301, to the extent that it applies to existing sanitary sewer collection systems that constitute "existing facilities" as that term is used in sections 15301 and 15302, to the extent that it results in the repair or replacement of existing systems involving negligible or no expansion of capacity.

3.5. State Water Board Funding Assistance for Compliance with Water Board Water Quality Orders

The State Water Board, Division of Financial Assistance administers the implementation of the State Water Board financial assistance programs, per Board-adopted funding policies. Among other funding areas, the Division administers loan and grant funding for the planning and construction of wastewater and water recycling facilities per funding program-specific policies and guidelines. Applicants may apply for Clean Water State Revolving Fund low-interest loan, Small Community Wastewater grant funding assistance, and other funding available at the time of application, for some of the costs associated with complying with this General Order.

Funding applicants may obtain further information regarding current funding opportunities, and Division of Financial Assistance staff contact information at the following website: Financial Assistance Funding - Grants and Loans | California State Water Resources Control Board.
(https://www.waterboards.ca.gov/water_issues/programs/grants_loans/)

Section 13477.6 of the Water Code authorizes the Small Community Grant Fund. The Small Community Grant Fund allows the State Water Board to provide grant funding assistance to small, disadvantaged communities and small severely disadvantaged communities that may not otherwise be able to afford a loan or similar financing for projects to comply with requirements of this General Order. The State Water Board also considers loan forgiveness on a disadvantaged community-specific basis.

For disadvantaged communities' wastewater needs, the State Water Board places priority on the funding of projects that address:

- Public health;
- Violations of waste discharge requirements and National Pollutant Discharge Elimination System (NPDES) permits;
- Providing sewer system service to existing septic tank owners; and
- High priority public health and water quality concerns identified by a Regional Water Board.

3.6. Notification to Interested Parties

On January 31, 2022, the State Water Board notified interested parties and persons of its intent to reissue Sanitary Sewer Systems General Order 2006-0003-DWQ by issuing a draft General Order for a 60-day public comment period. State Water Board staff conducted extensive stakeholder outreach and encouraged public participation in the adoption process for this General Order. On March 15, 2022, the State Water Board held a public meeting to hear and consider oral public comments. The State Water Board considered all public comments prior to adopting this General Order.

THEREFORE, IT IS HEREBY ORDERED, that pursuant to Water Code sections 13263, 13267, and 13383 this General Order supersedes Order 2006-0003-DWQ, Order WQ 2013-0058-EXEC, and any amendments made to these Orders thereafter, except for enforcement purposes and to meet the provisions contained in Division 7 of the Water Code (commencing with section 13000) and regulations adopted thereunder, and the provisions of the Clean Water Act and regulations and guidelines adopted thereunder, the Enrollee shall comply with the requirements in this Order.

4. PROHIBITIONS

4.1 Discharge of Sewage from a Sanitary Sewer System

Any discharge from a sanitary sewer system that has the potential to discharge to surface waters of the State is prohibited unless it is promptly cleaned up and reported as required in this General Order.

4.2. Discharge of Sewage to Waters of the State

Any discharge from a sanitary sewer system, discharged directly or indirectly through a drainage conveyance system or other route, to waters of the State is prohibited.

4.3. Discharge of Sewage Creating a Nuisance

Any discharge from a sanitary sewer system that creates a nuisance or condition of pollution as defined in Water Code section 13050(m) is prohibited.

5. SPECIFICATIONS

5.1. Designation of a Legally Responsible Official

The Enrollee shall designate a Legally Responsible Official that has authority to ensure the enrolled sanitary sewer system(s) complies with this Order, and is authorized to serve as a duly authorized representative. The Legally Responsible Official must have responsibility over management of the Enrollee's entire sanitary sewer system, and must be authorized to make managerial decisions that govern the operation of the sanitary sewer system, including having the explicit or implicit duty of making major capital improvement recommendations to ensure long-term environmental compliance. The Legally Responsible Official must have or have direct authority over individuals that:

- Possess a recognized degree or certificate related to operations and maintenance of sanitary sewer systems, and/or
- Have professional training and experience related to the management of sanitary sewer systems, demonstrated through extensive knowledge, training and experience.

For example, a sewer system superintendent or manager, an operations manager, a public utilities manager or director, or a district engineer may be designated as a Legally Responsible Official.

The Legally Responsible Official shall complete the electronic CIWQS "User Registration" form (https://ciwqs.waterboards.ca.gov/ciwqs/newUser.jsp). A Legally Responsible Official that represents multiple enrolled systems shall complete the electronic CIWQS "User Registration" form for each system.

The Enrollee shall submit any change to its Legally Responsible Official, and/or change in contact information, to the State Water Board within 30 calendar days of the change by emailing ciwqs@waterboards.ca.gov and copying the appropriate Regional Water Board as provided in Attachment F (Regional Water Quality Control Board Contact Information) of this General Order.

5.2. Sewer System Management Plan Development and Implementation

To facilitate adequate local funding and management of its sanitary sewer system(s), the Enrollee shall develop and implement an updated Sewer System Management Plan. The scale and complexity of the Sewer System Management Plan, and specific elements of the Plan, must match the size, scale and complexity of the Enrollee's sanitary sewer system(s). The Sewer System Management Plan must address, at minimum, the required Plan elements in Attachment D (Sewer System Management Plan – Required Elements) of this General Order. To be effective, the Sewer System Management Plan must include procedures for the management, operation, and maintenance of the sanitary sewer system(s). The procedures must: (1) incorporate the

prioritization of system repairs and maintenance to proactively prevent spills, and (2) address the implementation of current standard industry practices through available equipment, technologies, and strategies.

For an existing Enrollee under Order 2006-0003-DWQ that has certified its Continuation of Existing Regulatory Coverage, per section 2.1 (Requirements for Continuation of Existing Regulatory Coverage) of this General Order:

Within six (6) months of the Adoption Date of this General Order:

- The Legally Responsible Official shall upload the Enrollee's existing Sewer System Management Plan to the online CIWQS Sanitary Sewer System Database.

For a new Enrollee:

Within twelve (12) months of the Application for Enrollment approval date:

- The governing entity of the new Enrollee shall approve its Sewer System Management Plan; and
- The Legally Responsible Official shall certify and upload its Sewer System Management Plan to the online CIWQS Sanitary Sewer System Database.

5.3. Certification of Sewer System Management Plan and Plan Updates

The Legally Responsible Official shall certify and upload its Sewer System Management Plan and all subsequent updates to the online CIWQS Sanitary Sewer System Database.

5.4. Sewer System Management Plan Audits

The Enrollee shall conduct an internal audit of its Sewer System Management Plan, and implementation of its Plan, at a minimum frequency of once every three years. The audit must be conducted for the period after the end of the Enrollee's last required audit period. **Within six months after the end of the required 3-year audit period**, the Legally Responsible Official shall submit an audit report into the online CIWQS Sanitary Sewer System Database per the requirements in section 3.10 (Sewer System Management Plan Audit Reporting Requirements) of Attachment E1 of this General Order.

Audit reports submitted to the CIWQS Sanitary Sewer System Database will be viewable only to Water Boards staff.

The internal audit shall be appropriately scaled to the size of the system(s) and the number of spills. The Enrollee's sewer system operators must be involved in completing the audit. At minimum, the audit must:

- Evaluate the implementation and effectiveness of the Enrollee's Sewer System Management Plan in preventing spills;
- Evaluate the Enrollee's compliance with this General Order;
- Identify Sewer System Management Plan deficiencies in addressing ongoing spills and discharges to waters of the State; and

- Identify necessary modifications to the Sewer System Management Plan to correct deficiencies.

The Enrollee shall submit a complete audit report that includes:

- Audit findings and recommended corrective actions;
- A statement that sewer system operators' input on the audit findings has been considered; and
- A proposed schedule for the Enrollee to address the identified deficiencies.

A new Enrollee of this General Order (that did not have a sanitary sewer system enrolled in the previous State Water Board Order 2006-0003-DWQ) shall conduct its first internal Sewer System Management Plan audit for the time period between the date of submittal of its certified Sewer System Management Plan and the third subsequent December 31st date. The audit report must be submitted into the online CIWQS Sanitary Sewer System Database **by July 1 of the following calendar year**.

See the following tables for clarification:

Initial Audit Period and Audit Due Date for New Enrollees

	Audit Period	Audit Due Date
New Enrollee	Certified Sewer System Management Plan Submittal Date through the third subsequent December 31st date	July 1st date after audit period
Example	*Certified Sewer System Management Plan Submittal Date of August 2, 2025* *Audit Period of August 2, 2025 through December 31, 2027*	*July 1, 2028*

Initial Audit Period for Transition from 2-Year Audit Required in Previous Order 2006-0003-DWQ to 3-Year Audit Required in this General Order

	Audit Period	Audit Due Date
An Enrollee previously regulated by Order 2006-003-DWQ	A 3-year period starting from the end of last required 2-year Audit Period	Within six months after end of 3-year Audit Period
Example	*Last required Audit Period start date of August 2, 2021;* *Audit Period of August 2, 2021 through August 1, 2024*	*February 1, 2025*

Three-Year Ongoing Audit Period

	Audit Period	Audit Due Date
Each Enrollee	A 3-year period starting from the end of last required Audit Period	Within six months after end of 3-year Audit Period

5.5. Six-Year Sewer System Management Plan Update

At a minimum, the Enrollee shall update its Sewer System Management Plan every six (6) years after the date of its last Plan Update due date. (For an Enrollee previously regulated by Order 2006-0003-DWQ, the six-year period shall commence on the due date identified in section 3.11 of Attachment E1 (Notification, Monitoring, Reporting and Recordkeeping Requirements) of this Order. The Updated Sewer System Management Plan must include:

- Elements required in Attachment D (Sewer System Management Plan – Required Elements) of this Order;
- Summary of revisions included in the Plan update based on internal audit findings; and
- Other sewer system management-related changes.

The Enrollee's governing entity shall approve the updated Plan. The Legally Responsible Official shall upload and certify the approved updated Plan in the online CIWQS Sanitary Sewer System Database in accordance with section 3.11 (Sewer System Management Plan Reporting Requirements) of Attachment E1 (Notification, Monitoring, Reporting and Recordkeeping Requirements) of this General Order. During the time period in between Plan updates, the Enrollee shall continuously document changes to its Sewer System Management Plan in a change log attached to the Plan.

5.6. System Resilience

The Enrollee shall include and implement system-specific procedures in its Sewer System Management Plan to proactively prioritize: (1) operation and maintenance, (2) condition assessments, and (3) repair and rehabilitation, to address ongoing system resilience, as specified in Attachment D (Sewer System Management Plan – Required Elements) of this General Order.

5.7. Allocation of Resources

The Enrollee shall:

- Establish and maintain a means to manage all necessary revenues and expenditures related to the sanitary sewer system; and
- Allocate the necessary resources to its sewer system management program for:
  - Compliance with this General Order,
  - Full implementation of its updated Sewer System Management Plan,
  - System operation, maintenance, and repair, and
  - Spill responses.

5.8. Designation of Data Submitters

The Legally Responsible Official may designate one or more individuals as a Data Submitter for reporting of spill data. The Legally Responsible Official shall authorize the designation of Data Submitter(s) through the online CIWQS database (https://ciwqs.waterboards.ca.gov) prior to the individuals establishing a CIWQS user account (https://ciwqs.waterboards.ca.gov/ciwqs/newUser.jsp) and entering spill data into the online CIWQS Sanitary Sewer System Database.

The Legally Responsible Official shall submit any change to its Data Submitter(s), and/or change in Data Submitter contact information, to the State Water Board within 30 calendar days of the change, by emailing ciwqs@waterboards.ca.gov and copying the appropriate Regional Water Board as provided in Attachment F (Regional Water Quality Control Board Contact Information) of this General Order.

5.9. Reporting Certification

The Legally Responsible Official shall electronically certify, on the Enrollee's behalf, all applications, reports, the Sewer System Management Plan(s) and corresponding updates, and other information submitted electronically into the online CIWQS Sanitary Sewer System Database, as follows:

"I certify under penalty of perjury under the laws of the State of California that the electronically submitted information was prepared under my direction or supervision. Based on my inquiry of the person(s) directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete, and complies with the Statewide Sanitary Sewer Systems General Order. I am aware that there are significant penalties for submitting false information."

Hardcopy submittals to the State Water Board must be accompanied by the above certification statement.

5.10. System Capacity

The Enrollee shall maintain the system capacity necessary to convey: (1) base flows during dry weather conditions, and (2) wet weather peak flows consistent with designated local historic storms. Design storms must take into account system-specific stormwater contributions via inflow and infiltration, and location-specific depth of groundwater and storm frequencies. The Enrollee shall implement capital improvements to provide adequate hydraulic capacity to:

- Meet or exceed the design criteria as defined in the Enrollee's System Evaluation and Capacity Assurance element of its Sewer System Management Plan; and
- Prevent system capacity-related spills, and adverse impacts to the treatment efficiency of downstream wastewater treatment facilities.

5.11. System Performance Analysis

The Enrollee shall include a running 10-year system performance analysis in its Annual Report. The analysis must include two CIWQS-generated graphs presenting the following information:

Graph 1 – Total Spill Volume per Year:

X axis: A 10-year period which includes the current calendar year and the nine previous calendar years;

Y axis: The total spill volume, per Spill Category, for each calendar year.

Graph 2 – Total Number of Spills per Year:

X axis: A 10-year period which includes the current calendar year and the nine previous calendar years;

Y axis: The total number of spills, per Spill Category, for each calendar year.

The current calendar year is the calendar year covered in the Annual Report.

The Enrollee shall generate the graphs in CIWQS, using the existing data in the online CIWQS Sanitary Sewer System Database at the following graph generation link: (https://ciwqs.waterboards.ca.gov/ciwqs/readOnly/PublicReportSSOServlet?reportAction=criteria&reportId=sso_operation_report).

5.12. Spill Emergency Response Plan and Remedial Actions

For Existing Enrollees (with regulatory coverage under Order 2006-0003-DWQ):

Within six (6) months of the Adoption Date of this General Order, the Enrollee shall update and implement its Spill Emergency Response Plan, per Attachment D, section 6 (Spill Emergency Response Plan) of this General Order.

For New Enrollees:

Within six (6) months of the Application for Enrollment approval date, the Enrollee shall develop and implement a Spill Emergency Response Plan, per Attachment D, section 6 (Spill Emergency Response Plan) of this General Order.

The Enrollee shall certify, in its Annual Report, that its Spill Emergency Response Plan is up to date.

The Spill Emergency Response Plan shall include measures to protect public health and the environment. The Enrollee shall respond to spills from its system(s) in a timely manner that minimizes water quality impacts and nuisance by:

- Immediately stopping the spill and preventing/minimizing a discharge to waters of the State;
- Intercepting sewage flows to prevent/minimize spill volume discharged into waters of the State;
- Thoroughly recovering, cleaning up and disposing of sewage and wash down water; and
- Cleaning publicly accessible areas while preventing toxic discharges to waters of the State.

5.13. Notification, Monitoring, Reporting and Recordkeeping Requirements

The Enrollee shall comply with notification, monitoring, reporting, and recordkeeping requirements in Attachment E1 of this General Order.

5.13.1. Spill Categories

Individual spill notification, monitoring and reporting must be in accordance with the following spill categories:

- **Category 1 Spill**

  A Category 1 spill is a spill of any volume of sewage from or caused by a sanitary sewer system regulated under this General Order that results in a discharge to:

  - A surface water, including a surface water body that contains no flow or volume of water; or
  - A drainage conveyance system that discharges to surface waters when the sewage is not fully captured and returned to the sanitary sewer system or disposed of properly.

    Any spill volume not recovered from a drainage conveyance system is considered a discharge to surface water, unless the drainage conveyance system discharges to a dedicated stormwater infiltration basin or facility.

A spill from an Enrollee-owned and/or operated lateral that discharges to a surface water is a Category 1 spill; the Enrollee shall report all Category 1 spills per section 3.1 of Attachment E1 (Notification, Monitoring, Reporting and Recordkeeping Requirements) of this General Order.

- **Category 2 Spill**

  A Category 2 spill is a spill of 1,000 gallons or greater, from or caused by a sanitary sewer system regulated under this General Order that does not discharge to a surface water.

  A spill of 1,000 gallons or greater that spills out of a lateral and is caused by a failure or blockage in the sanitary sewer system, is a Category 2 spill.

- **Category 3 Spill**

  A Category 3 spill is a spill of equal to or greater than 50 gallons and less than 1,000 gallons, from or caused by a sanitary sewer system regulated under this General Order that does not discharge to a surface water.

  A spill of equal to or greater than 50 gallons and less than 1,000 gallons, that spills out of a lateral and is caused by a failure or blockage in the sanitary sewer system is a Category 3 spill.

- **Category 4 Spill**

  A Category 4 spill is a spill of less than 50 gallons, from or caused by a sanitary sewer system regulated under this General Order that does not discharge to a surface water.

  A spill of less than 50 gallons that spills out of a lateral and is caused by a failure or blockage in the sanitary sewer system is a Category 4 spill.

5.13.2. Annual Report

The Enrollee shall submit an Annual Report (previously termed as Collection System Questionnaire in Order 2006-0003-DWQ) as specified in section 3.9 (Annual Report) of Attachment E1 (Notification, Monitoring, Reporting and Recordkeeping Requirements) of this General Order.

For new Enrollees: Within 30 days of obtaining a CIWQS account, a new Enrollee shall submit its initial Annual Report, as specified in section 3.9 (Annual Report) of Attachment E1 (Notification, Monitoring, Reporting and Recordkeeping Requirements) of this General Order.

5.14. Electronic Sanitary Sewer System Service Area Boundary Map

For continuing enrollees, starting on July 1, 2025, and no later than December 31, 2025:

For new enrollees – no earlier than July 1, 2025, or within 12 months of the Application for Enrollment approval date, whichever date is later:

The Legally Responsible Official shall submit, to the State Water Board, geospatial data detailing the locations of the Enrollee's sanitary sewer system service area boundary, per the required content and specifications in section 3.8 (Electronic Sanitary Sewer System Service Area Boundary Map) of Attachment E1 of this General Order, for each system identified by a WDID number.

An Enrollee of a disadvantaged community that may need assistance developing an electronic map to comply with this requirement, may contact State Water Board staff for assistance at SanitarySewer@waterboards.ca.gov.

5.15. Voluntary Reporting of Spills from Privately-Owned Sewer Laterals and/or Private Sanitary Sewer Systems

Within 24 hours of becoming aware of a spill (as described below) from a private sewer lateral or private sanitary sewer system that is not owned/operated by the Enrollee, the Enrollee is encouraged to report the following observations to the online CIWQS Sanitary Sewer System Database at the following link: https://ciwqs.waterboards.ca.gov:

- A spill equal or greater than 1,000 gallons that discharges (or has a potential to discharge) to a water of the State, or a drainage conveyance system that discharges to waters of the State; **or**
- Any volume of sewage that discharges (or has a potential to discharge) to surface waters.

In the CIWQS module, the Enrollee is encouraged to identify:

- Time of observation;
- Description of general spill location (for example, street name and cross street names);
- Estimated volume of spill;
- If known, general description of spill destination (for example, flowing into drainage channel, flowing directly into a creek, etc.); and
- If known, name of private system owner/operator.

The CIWQS database will make the name and contact information of the entity voluntarily reporting a private spill, accessible to State and Regional Water Board staff only. The CIWQS database will only make information regarding the actual spill, accessible to the public.

5.16. Voluntary Notification of Spills from Privately-Owned Laterals and/or Systems to the California Office of Emergency Services

Upon observing or acquiring knowledge of any of the following from a private sewer lateral or private sanitary sewer system that is not owned/operated by the Enrollee, the Enrollee is encouraged to notify the California Office of Emergency Services (as provided by Health and Safety Code section 5410 et. seq. and Water Code section 13271), or inform the responsible party that State law requires such notification to the Office of Emergency Services by any person that causes or allows a sewage discharge to waters of the State:

- A spill equal to 1,000 gallons or more that discharges (or has a potential to discharge) to waters of the State, or a drainage conveyance system that discharges to waters of the State; or
- A spill of any volume to surface waters.

5.17. Unintended Failure to Report

If an Enrollee becomes aware that they unintentionally failed to submit relevant facts in any report required in this General Order, the Enrollee shall promptly notify Regional Water Board and State Water Board staff. Regional Water Board contact information is included in Attachment F of this Order. State Water Board staff shall be contacted by email at SanitarySewer@waterboards.ca.gov for assistance in formally amending the corresponding report(s) in the online CIWQS Sanitary Sewer System Database.

5.18. Duty to Report to Water Boards

In accordance with Water Code section 13267 and/or section 13383, upon request by the State Water Board Executive Director (or designee) or a Regional Water Board Executive Officer (or designee), the Enrollee shall provide the requested information which the State or Regional Water Board deems necessary to determine compliance with this General Order.

5.19. Operation and Maintenance

To prevent discharges to the environment, the Enrollee shall maintain in good working order, and operate as designed, any facility or treatment and control system designed to contain sewage and convey it to a treatment plant.

6. PROVISIONS

6.1. Enforcement Provisions

The following enforcement provisions are based on existing federal and state regulations, laws and policies, including the federal Clean Water Act, the state Water Code and the State Water Board Enforcement Policy.

6.1.1. Enforceability of Clean Water Act and Water Code Violations

Noncompliance with requirements of this General Order or discharging sewage without enrolling in this General Order constitutes a violation of the Water Code and a potential

violation of the Clean Water Act and is grounds for an enforcement action by the State Water Board or the applicable Regional Water Board. Failure to comply with the notification, monitoring, inspection, entry, reporting, and recordkeeping requirements may subject the Enrollee to administrative civil liabilities of up to $10,000 a day per violation pursuant to Water Code section 13385; up to $1,000 a day per violation pursuant to Water Code section 13268; or referral to the Attorney General for judicial civil enforcement. Discharging waste not in compliance with the requirements of this General Order or the Clean Water Act may subject the Enrollee to administrative civil liabilities up to $10,000 a day per violation and additional liability up to $10 per gallon of discharge not cleaned up after the first 1,000 gallons of discharge; up to $5,000 a day per violation pursuant to Water Code section 13350 or up to $20 per gallon of waste discharged; or referral to the Attorney General for judicial civil enforcement.

6.1.2. Monetary Penalties

The Water Code provides the State and Regional Water Boards the authority to pursue formal enforcement actions, including imposing administrative liability and civil monetary penalties, for non-compliance with the requirements of this General Order and violations of the Clean Water Act.

6.1.3. Falsifying or Failure to Report

The Water Code provides that any person failing or refusing to furnish technical or monitoring program reports, as required under this General Order, or falsifying any information provided in the technical or monitoring reports is subject to administrative liability and civil monetary penalties. Any person who knowingly fails or refuses to furnish technical or monitoring program reports or falsifies any information provided in reports required by this General Order is subject to criminal penalties.

6.1.4. Severability of General Order

The provisions of this General Order are severable; if any provision of this Order, or the application of any provision of this Order to any circumstance, is held invalid, the application of such provision to other circumstances and the remainder of this Order shall not be affected thereby.

6.1.5. Indirect Discharges

In the event that a spill enters into a drainage conveyance system, the Enrollee shall take all feasible steps to prevent discharge of sewage into waters of the State by blocking or redirecting the flow in the drainage conveyance system, removing the sewage from the drainage conveyance system, and cleaning the system in a manner that does not inadvertently impact beneficial uses of the receiving water body.

6.1.6. Water Boards' Considerations for Discretionary Enforcement

Consistent with the State Water Board Enforcement Policy, when considering Water Code section 13327 factors, the State Water Board or a Regional Water Board may consider the Enrollee's efforts to contain, control, clean up, and mitigate spills. In assessing the factors, the State Water Board or the applicable Regional Water Board will consider:

- The Enrollee's compliance with this General Order with a focus on compliance with reporting requirements;
- The Enrollee's provision of adequate funding to implement the requirements of this General Order;
- The Enrollee's compliance with providing a complete and updated Sewer System Management Plan;
- The Enrollee's compliance with implementing its Sewer System Management Plan;
- The overall effectiveness of the Enrollee's Sewer System Management Plan with respect to:
    - System management, operation, and maintenance,
    - Adequate treatment facilities, sanitary sewer system facilities, and/or components with an appropriate design capacity, to reasonably prevent spills (e.g. adequately enlarging treatment or collection facilities to accommodate growth, infiltration and inflow, etc.),
    - Preventive maintenance (including cleaning, root grinding, and fats, oils, and grease control) and source control measures,
    - Implementation of backup equipment,
    - Inflow and infiltration prevention and control,
    - Appropriate sanitary sewer system capacity to prevent spills, and
    - The Enrollee's responsiveness to stop and mitigate the impact of the discharge;
- The Enrollee's compliance with identifying the cause of the spill;
- The Enrollee's use of available information and observations to accurately estimate the spill volume and identify the affected or potentially affected receiving waters;
- The Enrollee's thoroughness of cleaning up sewage in drainage conveyance systems after the spill(s);
- The Enrollee's use of water quality and biological monitoring and assessment to determine the short-term and long-term impacts to beneficial uses and the environment;
- The Enrollee's follow up actions to improve system performance;
- The Enrollee's implementation of feasible alternatives to prevent spills, such as:
    - Use of temporary storage or waste retention,
    - Reduction of system inflow and infiltration,
    - Collection and hauling of waste to a treatment facility,
    - Prevention of and/ or containment of spills due to a design storm event identified in the Enrollee's Sewer System Management Plan,

- Implementation of available equipment, technologies, strategies, and recommended industry practices for maintaining and managing sewer systems to prevent spills, and contain and eliminate discharges to waters of the State; and

- The spill duration and factors beyond the reasonable control of the Enrollee causing the event.

6.1.7. Enforcement Discretion Based on Reporting Compliance

Consistent with the State Water Board Enforcement Policy, the State Water Board or a Regional Water Board may consider the Enrollee's efforts to comply with spill reporting requirements when determining compliance with Water Code section 13267 and section 13383. When assessing Water Code section 13227 factors, the State Water Board or the applicable Regional Water Board will consider:

- The Enrollee's diligence to comply with all reporting requirements in this General Order;
- The use of best available information for the Enrollee's reporting of spill start date and start time in which the release of sewage from the sanitary sewer system initiated;
- The Enrollee's reporting of spill end date, and end time to be the date and time in which the release of sewage from the sanitary sewer system was stopped;
- The Enrollee's diligence to accurately estimate and report spill volumes;
- The Enrollee's subsequent verification and/or updates to initial Draft Spill Reports in accordance with this General Order; and
- The Enrollee's timely certification of required spill reports.

Consistent with Water Code section 13267 and section 13383, the State Water Board or a Regional Water Board may require an Enrollee to report the results of a condition assessment of a specified portion of the Enrollee's sanitary sewer system.

6.2. Other Regional Water Board Orders

It is the intent of the State Water Board that sanitary sewer systems be regulated in a manner consistent with federal and state regulations. This Order will not be interpreted or applied:

- In a manner inconsistent with the federal Clean Water Act;
- To authorize a spill or discharge that is illegal under either the Clean Water Act, the Water Code, and/or an applicable Basin Plan prohibition or water quality standard;
- To prohibit a Regional Water Board from issuing an individual National Pollutant Discharge Elimination System (NPDES) permit or individual waste discharge requirements superseding an Enrollee's regulatory coverage under this General Order for a sanitary sewer system authorized under the Clean Water Act or Water Code;

- To supersede any more specific or more stringent waste discharge requirements or enforcement orders issued by a Regional Water Board; or
- To supersede any more specific or more stringent state or federal requirements in existing regulation, an administrative/judicial order, or Consent Decree.

6.3. Sewer System Management Plan Availability

The Enrollee's updated Sewer System Management Plan must be maintained for public inspection at the Enrollee's offices and facilities and must be available to the public through CIWQS and/or on the Enrollee's website, in accordance with section 3.8 (Sewer System Management Plan Reporting Requirements) of Attachment E1 (Notification, Monitoring, Reporting and Recordkeeping Requirements) of this General Order.

6.4. Entry and Inspection

6.4.1. Entry and Availability of Information

The Enrollee shall allow State and Regional Water Board staff, upon presentation of credentials and other documents as may be required by law, to:

- Enter upon the Enrollee's premises where a regulated facility or activity is located or conducted, or where records are kept under the requirements of this General Order;
- Have access to and reproduce any records required to be maintained by this General Order;
- Inspect any facility and/or equipment (including monitoring and control equipment), practices, or operations required in this General Order; and
- Sample or monitor substances or parameters for assuring compliance with this General Order, or as otherwise authorized by the Water Code.

6.4.2. Pre-Inspection Questionnaire

The Enrollee shall provide pre-inspection information to State and Regional Water Board staff through the completion of a Pre-Inspection Questionnaire provided by Water Board staff.

ATTACHMENT A - DEFINITIONS

Annual Report

An Annual Report (previously termed as Collection System Questionnaire in Order 2006-0003-DWQ) is a mandatory report in which the Enrollee provides a calendar-year update of its efforts to prevent spills.

Basin Plan

A Basin Plan is a water quality control plan specific to a Regional Water Quality Control Board (Regional Water Board), that serves as regulations to: (1) define and designate beneficial uses of surface and groundwaters, (2) establish water quality objectives for protection of beneficial uses, and (3) provide implementation measures.

Beneficial Uses

The term “Beneficial Uses” is a Water Code term, defined as the uses of the waters of the State that may be protected against water quality degradation. Examples of beneficial uses include but are not limited to, municipal, domestic, agricultural and industrial supply; power generation; recreation; aesthetic enjoyment; navigation; and preservation and enhancement of fish, wildlife, and other aquatic resources or preserves.

California Integrated Water Quality System (CIWQS)

CIWQS is the statewide database that provides for mandatory electronic reporting as required in State and Regional Water Board-issued waste discharge requirements.

Data Submitter

A Data Submitter is an individual designated and authorized by the Enrollee’s Legally Responsible Official to enter spill data into the online CIWQS Sanitary Sewer System Database. A Data Submitter does not have the authority of a Legally Responsible Official to certify reporting entered into the online CIWQS Sanitary Sewer System Database.

Disadvantaged Community

A disadvantaged community is a community with a median household income of less than eighty percent (80%) of the statewide annual median household income.

For the purpose of this General Order, there is no differentiation between a small and large disadvantaged community.

Drainage Conveyance System

A drainage conveyance system is a publicly- or privately-owned separate storm sewer system, including but not limited to drainage canals, channels, pipelines, pump stations, detention basins, infiltration basins/facilities, or other facilities constructed to transport stormwater and non-stormwater flows.

Enrollee

An Enrollee is a public, private, or other non-governmental entity that has obtained approval for regulatory coverage under this 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 this 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 this Order in response to a history of spills, proximity to surface water, or other factors supporting regulatory coverage.

Environmentally Sensitive Area

An environmentally sensitive area is a designated agricultural and/or wildlife area identified to need special natural landscape protection due to its wildlife or historical value.

Exfiltration

Exfiltration is the underground exiting of sewage from a sanitary sewer system through cracks, offset or separated joints, or failed infrastructure due to corrosion or other factors.

Flood Control Channel

A flood control channel is a channel used to convey stormwater and non-stormwater flows through and from areas for flood management purposes.

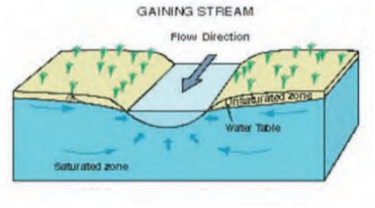
Governing Entity

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.

Hydrologically Connected

Two waterbodies are hydrologically connected when one waterbody flows, or has the potential to flow, into the other waterbody. For the purpose of this General Order, groundwater is hydrologically connected to a surface water when the groundwater feeds into the surface water. (The surface waterbody in this example is termed a gaining stream as it gains flow from surrounding groundwater.)



Lateral (including Lower and Upper Lateral)

A lateral is an underground segment of smaller diameter pipe that transports sewage from a customer's building or property (residential, commercial, or industrial) to the Enrollee's main sewer line 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

A Legally Responsible Official is an official representative, designated by the Enrollee, with authority to sign and certify submitted information and documents required by this General Order.

Nuisance

For the purpose of this General Order, a nuisance, as defined in Water Code section 13050(m), is anything that meets all of 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; and
- Occurs during, or as a result of, the treatment or disposal of wastes.

Private Sewer Lateral

A private sewer lateral is the privately-owned lateral that transports sewage from private property(ies) into a sanitary sewer system.

Private Sanitary Sewer System

A private sanitary sewer system is a sanitary sewer system of any size that is owned and/or operated by a private individual, company, corporation, or organization. A private sanitary sewer system may or may not connect into a publicly owned sanitary sewer system.

Potential to Discharge, Potential Discharge

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

Receiving Water

A receiving water is a water of the State that receives a discharge of waste.

Resilience

Resilience is the ability to recover from or adjust to adversity or change, and grow from disruptions. Resilience can be built through planning, preparing for, mitigating, and adapting to changing conditions.

Sanitary Sewer System

A sanitary sewer system is a system that is designed to convey sewage, 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 this Order, sanitary sewer systems include only systems owned and/or operated by the Enrollee.

Satellite Sewer System

A satellite sewer system is 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 sewage.

Sewer System Management Plan

A sewer system management plan is a living document an Enrollee develops and implements to effectively manage its sanitary sewer system(s) in accordance with this General Order.

Sewage

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

Spill

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

Training

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

Wash Down Water

Wash down water is water used to clean a spill area.

Waste

Waste, as defined in Water Code section 13050(d), includes sewage 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)

A waste discharge identification number (WDID) identifies each individual sanitary sewer system enrolled under this General Order. A WDID number is assigned to each enrolled system upon an Enrollee's approved regulatory coverage.

Waters of the State

Waters of the State are 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

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

Water Quality Objective

A water quality objective is 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.

ATTACHMENT B – APPLICATION FOR ENROLLMENT

1. **Enrollment Status:** (Mark only one item)

   ☐ New Enrollee

   ☐ New Enrollee with previous regulatory coverage under Order 2006-0003-DWQ
   (that failed to certify continuation of coverage in CIWQS per Order 2022-XXXX-DWQ)
   Existing WDID Number: _____

2. **Applicant Information:**

   Legally Responsible Official Submitting Application

   First and Last Name: _____

   Title: _____

   Phone: _____

   Email: _____

   System Owner/Operator Name: _____

   Mailing Address:_____

   City, State, Zip:_____

   County:_____

   Sanitary Sewer System Name: _____

   Regional Water Quality Control Board(s): _____

   Signature and Date: _____

3. **Applicant Type (Check one):**

   ☐ City ☐ County ☐ State ☐ Federal ☐ Special District

   ☐ Government Combination ☐ Private ☐ Other Non-governmental Entity

4. **Wastewater Treatment Plant Receiving Sanitary Sewer System Waste:**

   Wastewater Treatment Plant Permittee:_____

   WDID No.: _____

5. Billing Information

Billing Address: _____

City, State, Zip: _____

Billing Contact Person and Title: _____

Phone and Email Address: _____

6. Application Fee:

The application fee, as required by Water Code section 13260, is based on the daily population served by the sanitary sewer system. See updated Fee Schedule. (https://www.waterboards.ca.gov/resources/fees/water_quality/)

Check one of the following and enter fee amount:

☐ Population Served < 50,000 – Total Fee submitted: $ _____

☐ Population Served ≥ 50,000 – Total Fee submitted: $ _____

Make the fee payment payable to the State Water Resources Control Board and mail the complete application package to:

State Water Resources Control Board, Accounting Office
P. O. Box 1888
Sacramento, CA 95812-1888

Attention: Statewide Sanitary Sewer System Program

7. Application Submittal Certification

I certify under penalty of perjury under the laws of the State of California that to the best of my knowledge and belief, the information in the submitted application package is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Print Name: _____

Title: _____

Signature: _____Date: _____

ATTACHMENT C - NOTICE OF TERMINATION

1. Enrollee Information

Enrollee Name: _____

WDID No:_____

Legally Responsible Official Requesting Termination of Coverage: _____

First and Last Name: _____

Title: _____

Phone: _____

Email: _____

Mailing Address: _____

City, State, Zip: _____

County: _____

Sanitary Sewer System Name(s) or Unique Identifier(s): _____

Regional Water Quality Control Board(s): _____

Signature and Date:_____

2. Basis of Termination

Explanation of termination, including subsequent regulatory coverage and subsequent owner/operator of enrolled sanitary sewer system, as applicable:

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

3. Regulatory Coverage Termination Certification

I certify under penalty of perjury under the laws of the State of California that to the best of my knowledge: 1) the sanitary sewer system I officially represent is not required to be regulated under the Statewide Waste Discharge Requirements for Sanitary Sewer Systems Order 2022-XXXX-DWQ, and 2) the information submitted in this Notice of Termination is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. Additionally, I understand that the submittal of this Notice of Termination does not release sanitary sewer system agencies from liability for any violations of the Clean Water Act.

Print Name: _____

Title: _____

Signature: _____Date: _____

For State Water Board Use Only

☐ Approved for Termination ☐ Denied and Returned to Enrollee

Deputy Director of Water Quality Signature: _____

Date: _____Notice of Termination Effective Date: _____

ATTACHMENT D – SEWER SYSTEM MANAGEMENT PLAN – REQUIRED ELEMENTS

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ATTACHMENT D – SEWER SYSTEM MANAGEMENT PLAN – REQUIRED ELEMENTS

A Sewer System Management Plan (Plan) 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 Plan 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 Sewer System Management Plan addressing the requirements of this Attachment is an enforceable component of this General Order. As specified in Provision 6.1 (Enforcement Provisions) of this 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 Sewer System Management Plan to prevent, contain, control, and mitigate spills when considering Water Code section 13327 factors to determine necessary enforcement of this General Order.

This Attachment includes the following required elements that the Enrollee shall address in its Plan and subsequent updates. The Enrollee shall identify any requirement in this Attachment that is not applicable to the Enrollee's sewer system and shall explain in its Plan why the requirement is not applicable.

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 this Attachment.

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 this 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.)

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.

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 this 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.

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 section 8 (System Evaluation, Capacity Assurance and Capital Improvements) of this Attachment, 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.

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 this 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 sewage 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 this General Order; and
- Annually, review and assess effectiveness of the Spill Emergency Response Plan, and update the Plan as needed.

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.

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 sewage 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 above-ground 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.

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.

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 this General Order.

11. COMMUNICATION PROGRAM

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.

ATTACHMENT E1 – NOTIFICATION, MONITORING, REPORTING AND RECORDKEEPING REQUIREMENTS

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ATTACHMENT E1– NOTIFICATION, MONITORING, REPORTING AND RECORDKEEPING REQUIREMENTS

The Notification Requirements (section 1), Spill-specific Monitoring Requirements (section 2), Reporting Requirements (section 3) and Recordkeeping Requirements (section 4) in this Attachment are pursuant to Water Code section 13267 and section 13383, and are an enforceable component of this General Order. For the purpose of this General Order, the term:

- Notification means the notifying of appropriate parties of a spill event or other activity.
- Spill-specific Monitoring means the gathering of information and data for a specific spill event to be reported or kept as records.
- Reporting means the reporting of information and data into the online California Integrated Water Quality System (CIWQS) Sanitary Sewer System Database.
- Recordkeeping means the maintaining of information and data in an official records storage system.

Failure to comply with the notification, monitoring, reporting and recordkeeping requirements in this General Order may subject the Enrollee to civil liabilities of up to $10,000 a day per violation pursuant to Water Code section 13385; up to $1,000 a day per violation pursuant to Water Code section 13268; or referral to the Attorney General for judicial civil enforcement.

Water Code section 13193 et seq. requires the Regional Water Quality Control Boards (Regional Water Boards) and the State Water Resources Control Board (State Water Board) to collect sanitary sewer spill information for each spill event and make this information available to the public. Sanitary sewer spill information for each spill event includes but is not limited to: Enrollee contact information for each spill event, spill cause, estimated spill volume and factors used for estimation, location, date, time, duration, amount discharged to waters of the State, response and corrective action(s) taken.

1. NOTIFICATION REQUIREMENTS

1.1. Notification of Spills of 1,000 Gallons or Greater to the California Office of Emergency Services

Per Water Code section 13271, for a spill that discharges in or on any waters of the State, or discharges or is deposited where it is, or probably will be, discharged in or on any waters of the State, the Enrollee shall notify the California Office of Emergency Services and obtain a California Office of Emergency Services Control Number as soon as possible **but no later than two (2) hours** after:

- The Enrollee has knowledge of the spill; and
- Notification can be provided without substantially impeding cleanup or other emergency measures.

The notification requirements in this section apply to individual spills of 1,000 gallons or greater, from an Enrollee-owned and/or operated laterals, to a water of the State.

1.2. Spill Notification Information

The Enrollee shall provide the following spill information to the California Office of Emergency Services before receiving a Control Number, as applicable:

- Name and phone number of the person notifying the California Office of Emergency Services;
- Estimated spill volume (gallons);
- Estimated spill rate from the system (gallons per minute);
- Estimated discharge rate (gallons per minute) directly into waters of the State or indirectly into a drainage conveyance system;
- Spill incident description:
  - Brief narrative of the spill event, and
  - Spill incident location (address, city, and zip code) and closest cross streets and/or landmarks;
- Name and phone number of contact person on-scene;
- Date and time the Enrollee was informed of the spill event;
- Name of sanitary sewer system causing the spill;
- Spill cause or suspected cause (if known);
- Amount of spill contained;
- Name of receiving water body receiving or potentially receiving discharge; and
- Description of water body impact and/ or potential impact to beneficial uses.

1.3. Notification of Spill Report Updates

Following the initial notification to the California Office of Emergency Services and until such time that the Enrollee certifies the spill report in the online CIWQS Sanitary Sewer System Database, the Enrollee shall provide updates to the California Office of Emergency Services regarding substantial changes to:

- Estimated spill volume (increase or decrease in gallons initially estimated);
- Estimated discharge volume discharged directly into waters of the State or indirectly into a drainage conveyance system (increase or decrease in gallons initially estimated); and
- Additional impact(s) to the receiving water(s) and beneficial uses.

2. SPILL-SPECIFIC MONITORING REQUIREMENTS

2.1 Spill Location and Spread

The Enrollee shall visually assess the spill location(s) and spread using photography, global positioning system (GPS), and other best available tools. The Enrollee shall document the critical spill locations, including:

- Photography and GPS coordinates for:
  - The system location where spill originated.

    For multiple appearance points of a single spill event, the points closest to the spill origin.
- Photography for:
  - Drainage conveyance system entry locations,
  - The location(s) of discharge into surface waters, as applicable,
  - Extent of spill spread, and
  - The location(s) of clean up.

2.2 Spill Volume Estimation

To assess the approximate spill magnitude and spread, the Enrollee shall estimate the total spill volume using updated volume estimation techniques, calculations, and documentation for electronic reporting. The Enrollee shall update its notification and reporting of estimated spill volume (which includes spill volume recovered) as further information is gathered during and after a spill event.

2.3. Receiving Water Monitoring

2.3.1. Receiving Water Visual Observations

Through visual observations and use of best available spill volume-estimating techniques and field calculation techniques, the Enrollee shall gather and document the following information for spills discharging to surface waters:

- Estimated spill travel time to the receiving water;
- For spills entering a drainage conveyance system, estimated spill travel time from the point of entry into the drainage conveyance system to the point of discharge into the receiving water;
- Estimated spill volume entering the receiving water; and
- Photography of:
  - Waterbody bank erosion,
  - Floating matter,
  - Water surface sheen (potentially from oil and grease),

- Discoloration of receiving water, and
- Impact to the receiving water.

2.3.2. Receiving Water – Water Quality Sampling and Analysis

For sewage spills in which an estimated 50,000 gallons or greater are discharged into a surface water, the Enrollee shall conduct the following water quality sampling no later than **18 hours** after the Enrollee's knowledge of a potential discharge to a surface water:

- Collect one water sample, each day of the duration of the spill, at:
  - The DCS-001 location as described in section 2.3.4 (Receiving Water Sampling Locations) of this Attachment, if sewage discharges to a surface water via a drainage conveyance system; and/or
  - Each of the three receiving water sampling locations in section 2.3.4 (Receiving Water Sampling Locations) of this Attachment;

    If the receiving water has no flow during the duration of the spill, the Enrollee must report "No Sampling Due To No Flow" for its receiving water sampling locations.

The Enrollee shall analyze the collected receiving water samples for the following constituents per section 2.3.3 (Water Quality Analysis Specifications) of this Attachment:

- Ammonia, and
- Appropriate bacterial indicator(s) per the applicable Basin Plan water quality objectives, including one or more of the following, unless directed otherwise by the Regional Water Board:
  - Total Coliform Bacteria
  - Fecal Coliform Bacteria
  - *E-coli*
  - Enterococcus

  Dependent on the receiving water(s), sampling of bacterial indicators shall be sufficient to determine post-spill (after the spill) compliance with the water quality objectives and bacterial standards of the California Ocean Plan or the California Inland Surface Water Enclosed Bays, and Estuaries Plan, including the frequency and/or number of post-spill receiving water samples as may be specified in the applicable plans.

The Enrollee shall collect and analyze additional samples as required by the applicable Regional Water Board Executive Officer or designee.

2.3.3. Water Quality Analysis Specifications

Spill monitoring must be representative of the monitored activity (40 Code of Federal Regulations section 122.41(j)(1)).

Sufficiently Sensitive Methods

Sample analysis must be conducted according to sufficiently sensitive test methods approved under 40 Code of Federal Regulations Part 136 for the sample analysis of pollutants. For the purposes of this General Order, a method is sufficiently sensitive when the minimum level of the analytical method approved under 40 Code of Federal Regulations Part 136 is at or below the receiving water pollutant criteria.

Environmental Laboratory Accreditation Program-Accredited Laboratories

The analysis of water quality samples required per this General Order must be performed by a laboratory that has accreditation pursuant to Article 3 (commencing with section 100825) of Chapter 4 of Part 1 of Division 101 of the Health and Safety Code. (Water Code section 13176(a).) The State Water Board accredits laboratories through its Environmental Laboratory Accreditation Program (ELAP).

2.3.4. Receiving Water Sampling Locations

The Enrollee shall collect receiving water samples at the following locations.

Sampling of Flow in Drainage Conveyance System (DCS) Prior to Discharge

Sampling Location	Sampling Location Description
DCS-001	A point in a drainage conveyance system before the drainage conveyance system flow discharges into a receiving water.

Receiving Surface Water Sampling (RSW)[1]

Sampling Location	Sampling Location Description
RSW-001 Point of Discharge	A point in the receiving water where sewage initially enters the receiving water.
RSW-001U: Upstream of Point of Discharge	A point in the receiving water, upstream of the point of sewage discharge, to capture ambient conditions absent of sewage discharge impacts.

Sampling Location	Sampling Location Description
RSW-001D: Downstream of Point of Discharge	A point in the receiving water, downstream of the point of sewage discharge, where the spill material is fully mixed with the receiving water.

[1] The Enrollee must use its best professional judgment to determine the upstream and downstream distances based on receiving water flow, accessibility to upstream/downstream waterbody banks, and size of visible sewage plume.

2.4. Safety and Access Exceptions

If the Enrollee encounters access restrictions or unsafe conditions that prevents its compliance with spill response requirements or monitoring requirements in this General Order, the Enrollee shall provide documentation of access restrictions and/or safety hazards in the corresponding required report.

3. REPORTING REQUIREMENTS

All reporting required in this General Order must be submitted electronically to the online CIWQS Sanitary Sewer System Database (https://ciwqs.waterboards.ca.gov), unless specified otherwise in this General Order. Electronic reporting may solely be conducted by a Legally Responsible Official or Data Submitter(s) previously designated by the Legally Responsible Official, as required in section 5.8 (Designation of Data Submitters) of this General Order.

The Enrollee shall report any information that is protected by the Homeland Security Act, by email to SanitarySewer@waterboards.ca.gov, with a brief explanation of the protection provided by the Homeland Security Act for the subject report to be protected from unauthorized disclosure and/or public access, and for official Water Board regulatory purposes only.

3.1. Reporting Requirements for Individual Category 1 Spill Reporting

3.1.1. Draft Spill Report for Category 1 Spills

Within three (3) business days of the Enrollee's knowledge of a Category 1 spill, the Enrollee shall submit a Draft Spill Report to the online CIWQS Sanitary Sewer System Database.

The Draft Spill Report must, at minimum, include the following items:

1. Contact information: Name and telephone number of Enrollee contact person to respond to spill-specific questions;
2. Spill location name;
3. Date and time the Enrollee was notified of, or self-discovered, the spill;
4. Operator arrival time;

5. Estimated spill start date and time;
6. Date and time the Enrollee notified the California Office of Emergency Services, and the assigned control number;
7. Description, photographs, and GPS coordinates of the system location where the spill originated;
    - If a single spill event results in multiple appearance points, provide GPS coordinates for the appearance point closest to the failure point and describe each additional appearance point in the spill appearance point explanation field;
8. Estimated total spill volume exiting the system;
9. Description and photographs of the extent of the spill and spill boundaries;
10. Did the spill reach a drainage conveyance system? If Yes:
    - Description of the drainage conveyance system transporting the spill;
    - Photographs of the drainage conveyance system entry location(s);
    - Estimated spill volume fully recovered from the drainage conveyance system;
    - Estimated spill volume remaining within the drainage conveyance system;
11. Description and photographs of all discharge point(s) into the surface water;
12. Estimated spill volume that discharged to surface waters; and
13. Estimated total spill volume recovered.

3.1.2. Certified Spill Report for Category 1 Spills

Within 15 calendar days of the spill end date, the Enrollee shall submit a Certified Spill Report for Category 1 spills, to the online CIWQS Sanitary Sewer System Database. Upon completion of the Certified Spill Report, the online CIWQS Sanitary Sewer System Database will issue a final spill event identification number.

The Certified Spill Report must, at minimum, include the following mandatory information in addition to all information in the Draft Spill Report per section 3.1.1 (Draft Spill Report for Category 1 Spills) above:

1. Description of the spill event destination(s), including GPS coordinates if available, that represent the full spread and reach of the spill;
2. Spill end date and time;
3. Description of how the spill volume estimations were calculated, including at a minimum:
    - The methodology, assumptions and type of data relied upon, such as supervisory control and data acquisition (SCADA) records, flow monitoring or other telemetry information used to estimate the volume of the spill discharged, and the volume of the spill recovered (if any volume of the spill was recovered), and
    - The methodology(ies), assumptions and type of data relied upon for estimations of the spill start time and the spill end time;

4. Spill cause(s) (for example, root intrusion, grease deposition, etc.);
5. System failure location (for example, main, lateral, pump station, etc.);
6. Description of the pipe material, and estimated age of the pipe material, at the failure location;
7. Description of the impact of the spill;
8. Whether or not the spill was associated with a storm event;
9. Description of spill response activities including description of immediate spill containment and cleanup efforts;
10. Description of spill corrective action, including steps planned or taken to reduce, eliminate, and prevent reoccurrence of the spill, and a schedule of major milestones for those steps;
11. Spill response completion date;
12. Detailed narrative of investigation and investigation findings of cause of spill;
13. Reasons for an ongoing investigation (as applicable) and the expected date of completion;
14. Name and type of receiving water body(s);
15. Description of the water body(s), including but not limited to:
    - Observed impacts on aquatic life,
    - Public closure, restricted public access, temporary restricted use, and/or posted health warnings due to spill,
    - Responsible entity for closing/restricting use of water body, and
    - Number of days closed/restricted as a result of the spill.
16. Whether or not the spill was located within 1,000 feet of a municipal surface water intake; and
17. If water quality samples were collected, identify sample locations and the parameters the water quality samples were analyzed for. If no samples were taken, Not Applicable shall be selected.

3.1.3. Spill Technical Report for Individual Category 1 Spill in which 50,000 Gallons or Greater Discharged into a Surface Water

For any spill in which 50,000 gallons or greater discharged into a surface water, **within 45 calendar days** of the spill end date, the Enrollee shall submit a Spill Technical Report to the online CIWQS Sanitary Sewer System Database. The Spill Technical Report, at minimum, must include the following information:

1. Spill causes and circumstances, including at minimum:
    - Complete and detailed explanation of how and when the spill was discovered;

- Photographs illustrating the spill origin, the extent and reach of the spill, drainage conveyance system entrance and exit, receiving water, and post-cleanup site conditions;
- Diagram showing the spill failure point, appearance point(s), the spill flow path, and ultimate destinations;
- Detailed description of the methodology employed, and available data used to calculate the discharge volume and, if applicable, the recovered spill volume;
- Detailed description of the spill cause(s);
- Description of the pipe material, and estimated age of the pipe material, at the failure location;
- Description of the impact of the spill;
- Copy of original field crew records used to document the spill; and
- Historical maintenance records for the failure location.

2. Enrollee's response to the spill:
   - Chronological narrative description of all actions taken by the Enrollee to terminate the spill;
   - Explanation of how the Sewer System Management Plan Spill Emergency Response Plan was implemented to respond to and mitigate the spill; and
   - Final corrective action(s) completed and a schedule for planned corrective actions, including:
     - Local regulatory enforcement action taken against an illicit discharge in response to this spill, as applicable,
     - Identifiable system modifications, and operation and maintenance program modifications needed to prevent repeated spill occurrences, and
     - Necessary modifications to the Emergency Spill Response Plan to incorporate lessons learned in responding to and mitigating the spill.
3. Water Quality Monitoring, including at minimum:
   - Description of all water quality sampling activities conducted;
   - List of pollutant and parameters monitored, sampled and analyzed; as required in section 2.3 (Receiving Water Monitoring) of this Attachment;
   - Laboratory results, including laboratory reports;
   - Detailed location map illustrating all water quality sampling points; and
   - Other regulatory agencies receiving sample results (if applicable).
4. Evaluation of spill impact(s), including a description of short-term and long-term impact(s) to beneficial uses of the surface water.

3.1.4. Amended Certified Spill Reports for Individual Category 1 Spills

The Enrollee shall update or add additional information to a Certified Spill Report within **90 calendar days** of the spill end date by amending the report or by adding an attachment to the Spill Report in the online CIWQS Sanitary Sewer System Database. The Enrollee shall certify the amended report.

After **90 calendar days**, the Enrollee shall contact the State Water Board at SanitarySewer@waterboards.ca.gov to request to amend a Spill Report. The Legally Responsible Official shall submit justification for why the additional information was not reported within the Amended Spill Report due date.

3.2. Reporting Requirements for Individual Category 2 Spill Reporting

3.2.1. Draft Spill Report for Category 2 Spills

Within three (3) business days of the Enrollee's knowledge of a Category 2 spill, the Enrollee shall submit a Draft Spill Report to the online CIWQS Sanitary Sewer System Database.

The Draft Spill Report must, at minimum, include the following items:

1. Contact information: Name and telephone number of Enrollee contact person to respond to spill-specific questions;
2. Spill location name;
3. Date and time the Enrollee was notified of, or self-discovered, the spill;
4. Operator arrival time;
5. Estimated spill start date and time;
6. Date and time the Enrollee notified the California Office of Emergency Services, and the assigned control number;
7. Description, photographs, and GPS coordinates of the system location where the spill originated;

   If a single spill event results in multiple appearance points, provide GPS coordinates for the appearance point closest to the failure point and describe each additional appearance point in the spill appearance point explanation field;
8. Estimated total spill volume exiting the system;
9. Description and photographs of the extent of the spill and spill boundaries;
10. Did the spill reach a drainage conveyance system? If Yes:
    - Description of the drainage conveyance system transporting the spill;
    - Photographs of the drainage conveyance system entry location(s);
    - Estimated spill volume fully recovered from the drainage conveyance system;
    - Estimated spill volume remaining within the drainage conveyance system;

- Estimated spill volume discharged to a groundwater infiltration basin or facility, if applicable; and

11. Estimated total spill volume recovered.

3.2.2. Certified Spill Report for Category 2 Spills

Within 15 calendar days of the spill end date, the Enrollee shall submit a Certified Spill Report for the Category 2 spill, to the online CIWQS Sanitary Sewer System Database (https://ciwqs.waterboards.ca.gov). Upon completion of the Certified Spill Report, the online CIWQS Sanitary Sewer System Database will issue a final spill event identification number.

The Certified Spill Report must, at minimum, include the following mandatory information in addition to all information in the Draft Spill Report per section 3.2.1 (Draft Spill Report for Category 2 Spills) above:

1. Description of the spill event destination(s), including GPS coordinates if available, that represent the full spread and reach of the spill;
2. Spill end date and time;
3. Description of how the spill volume estimations were calculated, including at a minimum:
   - The methodology, assumptions and type of data relied upon, such as supervisory control and data acquisition (SCADA) records, flow monitoring or other telemetry information used to estimate the volume of the spill discharged, and the volume of the spill recovered (if any volume of the spill was recovered), and
   - The methodology(ies), assumptions and type of data relied upon for estimations of the spill start time and the spill end time;
4. Spill cause(s) (for example, root intrusion, grease deposition, etc.);
5. System failure location (for example, main, pump station, etc.);
6. Description of the pipe/infrastructure material, and estimated age of the pipe material, at the failure location;
7. Description of the impact of the spill;
8. Whether or not the spill was associated with a storm event;
9. Description of spill response activities including description of immediate spill containment and cleanup efforts;
10. Description of spill corrective action, including steps planned or taken to reduce, eliminate, and prevent reoccurrence of the spill, and a schedule of major milestones for those steps;
11. Spill response completion date;
12. Detailed narrative of investigation and investigation findings of cause of spill;
13. Reasons for an ongoing investigation (as applicable) and the expected date of completion; and

14. Whether or not the spill was located within 1,000 feet of a municipal surface water intake.

3.2.3. Amended Certified Spill Reports for Individual Category 2 Spills

The Enrollee shall update or add additional information to a Certified Spill Report within **90 calendar days** of the spill end date by amending the report or by adding an attachment to the Spill Report in the online CIWQS Sanitary Sewer System Database. The Enrollee shall certify the amended report.

After **90 calendar days**, the Enrollee shall contact the State Water Board at SanitarySewer@waterboards.ca.gov to request to amend a Spill Report. The Legally Responsible Official shall submit justification for why the additional information was not reported within the Amended Spill Report due date.

3.3. Monthly Certified Spill Reporting for Category 3 Spills

The Enrollee shall report and certify all Category 3 spills to the online CIWQS Sanitary Sewer System Database within 30 calendar days after the end of the month in which the spills occurred. (For example, all Category 3 spills occurring in the month of February shall be reported and certified by March 30th). After the Legally Responsible Official certifies the spills, the online CIWQS Sanitary Sewer System Database will issue a spill event identification number for each spill.

The monthly reporting of all Category 3 spills must include the following items for each spill:

1. Contact information: Name and telephone number of Enrollee contact person to respond to spill-specific questions;
2. Spill location name;
3. Date and time the Enrollee was notified of, or self-discovered, the spill;
4. Operator arrival time;
5. Estimated spill start date and time;
6. Description, photographs, and GPS coordinates where the spill originated:
    - If a single spill event results in multiple appearance points, provide GPS coordinates for the appearance point closest to the failure point and describe each additional appearance point in the spill appearance point explanation field;
7. Estimated total spill volume exiting the system;
8. Description and photographs of the extent of the spill and spill boundaries;
9. Did the spill reach a drainage conveyance system? If Yes:
    - Description of the drainage conveyance system transporting the spill;
    - Photographs of the drainage conveyance system entry locations(s);
    - Estimated spill volume fully recovered from the drainage conveyance system; and

- Estimated spill volume discharged to a groundwater infiltration basis or facility, if applicable.

10. Estimated total spill volume recovered;
11. Description of the spill event destination(s), including GPS coordinates, if available, that represent the full spread and reaches of the spill;
12. Spill end date and time;
13. Description of how the spill volume estimations were calculated, including, at minimum:
    - The methodology and type of data relied upon, including supervisory control and data acquisition (SCADA) records, flow monitoring or other telemetry information used to estimate the volume of the spill discharged, and the volume of the spill recovered (if any volume of the spill was recovered), and
    - The methodology and type of data relied upon to estimate the spill start time, on-going spill rate at time of arrival (if applicable), and the spill end time;
14. Spill cause(s) (for example, root intrusion, grease deposition, etc.);
15. System failure location (for example, main, pump station, etc.);
16. Description of the pipe/infrastructure material, and estimated age of the pipe/infrastructure material, at the failure location;
17. Description of the impact of the spill;
18. Whether or not the spill was associated with a storm event;
19. Description of spill response activities including description of immediate spill containment and cleanup efforts;
20. Description of spill corrective actions, including steps planned or taken to reduce, eliminate, and prevent reoccurrence of the spill, and a schedule of the major milestones for those steps; including, at minimum:
    - Local regulatory enforcement action taken against an illicit discharge in response to this spill, as applicable, and
    - Identifiable system modifications, and operation and maintenance program modifications needed to prevent repeated spill occurrences at the same spill event location, including:
      - Adjusted schedule/method of preventive maintenance,
      - Planned rehabilitation or replacement of sanitary sewer asset,
      - Inspected, repaired asset(s), or replaced defective asset(s),
      - Capital improvements,
      - Documentation verifying immediately implemented system modifications and operating/maintenance modifications,
      - Description of spill response activities,

- Spill response completion date, and
- Ongoing investigation efforts, and expected completion date of investigation to determine the full cause of spill;

21. Detailed narrative of investigation and investigation findings of cause of spill.

3.4. Monthly Certified Spill Reporting for Category 4 Spills

The Enrollee shall report and certify the estimated total spill volume exiting the sanitary sewer system, and the total number of all Category 4 spills to the online CIWQS Sanitary Sewer System Database, within 30 calendar days after the end of the month in which the spills occurred.

3.5. Amended Certified Spill Reports for Category 3 Spills

Within 90 calendar days of the certified Spill Report due date, the Enrollee may update or add additional information to a certified Spill Report by amending the report or by adding an attachment to the Spill Report in the online CIWQS Sanitary Sewer System Database. The Enrollee shall certify the amended report.

After 90 calendar days, the Legally Responsible Official shall contact the State Water Board at SanitarySewer@waterboards.ca.gov to request to amend a certified Spill Report. The Legally Responsible Official shall submit justification for why the additional information was not reported within the 90-day timeframe for amending the certified Spill Report, as provided above.

3.6. Annual Certified Spill Reporting of Category 4 and/or Lateral Spills

For all Category 4 spills and spills from its owned and/or operated laterals that are caused by a failure or blockage in the lateral and that do not discharge to a surface water, the Enrollee shall:

- Maintain records per section 4.4. of this Attachment;

  The Enrollee shall provide records upon request by State Water Board or Regional Water Board staff.

- Annually upload and certify a report, in an appropriate digital format, of all recordkeeping of spills to the online CIWQS Sanitary Sewer System Database, by February 1st after the end of the calendar year in which the spills occurred.

A spill from an Enrollee-owned and/or operated lateral that discharges to a surface water is a Category 1 spill; the Enrollee shall report all Category 1 spills per section 3.1 of Attachment E1 (Notification, Monitoring, Reporting and Recordkeeping Requirements) of this General Order.

3.7. Monthly Certification of "No-Spills" or "Category 4 Spills" and/or "Non-Category 1 Lateral Spills"

If either (1) no spills occur during a calendar month or (2) only Category 4, and/or Enrollee-owned and/or operated lateral spills (that do not discharge to a surface water) occur during a calendar month, the Enrollee shall certify, within 30 calendar days after

the end of each calendar month, either a “No-Spill” certification statement, or a “Category 4 Spills” and/or “Non-Category 1 Lateral Spills” certification statement, in the online CIWQS Sanitary Sewer System Database, certifying that there were either no spills, or Category 4 and/or Non-Category 1 Lateral Spills that will be reported annually (per section 3.6 of this Attachment) for the designated month.

If a spill starts in one calendar month and ends in a subsequent calendar month, and the Enrollee has no further spills of any category, in the subsequent calendar month, the Enrollee shall certify “no-spills” for the subsequent calendar month.

If the Enrollee has no spills from its systems during a calendar month, but the Enrollee voluntarily reported a spill from a private lateral or a private system, the Enrollee shall certify “no-spills” for that calendar month.

If the Enrollees has spills from its owned and/or operated laterals during a calendar month, the Enrollee shall not certify “no spills” for that calendar month.

3.8. Electronic Sanitary Sewer System Service Area Boundary Map

The Legally Responsible Official shall submit, to the State Water Board, an up-to-date electronic spatial map of its sewer system service area boundaries. The map must be in accordance with section 5.14 (Electronic Sanitary Sewer System Service Area Boundary Map) of this General Order and the specification provided on the statewide Sanitary Sewer Systems program website. The map must include the location of wastewater treatment facility(ies) that treats the sewer system waste, if in the same sewer service boundary.

By the Effective Date of this General Order, specifications for the electronic sanitary sewer service area boundary map format will be provided on the statewide Sanitary Sewer Systems Order program website.

3.9. Annual Report (Previously termed as Collection System Questionnaire in General Order 2006-0003-DWQ)

A new Enrollee shall complete and submit its first certified Annual Report into the online CIWQS Sanitary Sewer System Database, **within 30 days of obtaining a CIWQS account**; Subsequent Annual Reports are due by April 1 of each year.

All enrollees shall update their previous year’s Annual Report, **by April 1 of each year after the Effective Date of this General Order,** for each calendar year (January 1 through December 31)**.**

The Annual Report must be entered directly into the online CIWQS Sanitary Sewer System Database. The Enrollee’s Legally Responsible Official shall certify the Annual Report as instructed in CIWQS;

The Annual Report must address, and update as applicable, the following items:

- Population served;

- Updated sewer system service area boundary map, if service area boundary has changed from original map submitted per section 5.14 (Electronic Sanitary Sewer System Service Area Boundary Map) of this General Order;
- Number of system operation and maintenance staff:
  - Entry level (less than two years of experience),
  - Journey level (greater than two years of experience),
  - Supervisory level, and
  - Managerial level;
- Number of operation and maintenance staff certified as a certified collection system operator by the California Water Environmental Association (CWEA), with:
  - Corresponding number of certified collection system operator grade levels (Grade I, II, III, IV, and V);
- System information:
  - Miles of system gravity and force mains,
  - Number of upper and lower service laterals connected to system,
  - Estimated number of upper and lower laterals owned and/or operated by the Enrollee,
  - Portion of laterals that is Enrollee's responsibility,
  - Average age the major components of system infrastructure,
  - Number and age of pump stations, and
  - Estimated total miles of the system pipeline not accessible for maintenance;
- Name and location of the treatment plant(s) receiving sanitary sewer system's waste;
- Name of satellite sewer system tributaries;
- Number of system's gravity sewer above or underground crossings of water bodies throughout system;
- Number of force main (pressurized pipe) above or underground crossings of water bodies throughout system;
- Number of siphons used to convey waste throughout the sewer system;
- Miles of sewer system cleaned;
- Miles of sewer system video inspected, or comparable (i.e., video closed-circuit television or alternative inspection methods);
- System Performance Evaluation as specified in section 5.11 (System Performance Analysis) of this General Order;
- Major spill causes (for example, root intrusion, grease deposition);

- System infrastructure failure points (for example, main, pump station, lateral, etc.);
- Ongoing spill investigations; and
- Actions taken to address system deficiencies.

3.10. Sewer System Management Plan Audit Reporting Requirements

The Enrollee shall submit its Sewer System Management Plan Audit and other pertinent audit information, in accordance with section 5.4 (Sewer System Management Plan Audits) of this General Order, to the online CIWQS Sanitary Sewer System Database **by six (6) months after the end of the 3-year audit period**.

If a Sewer System Management Plan Audit is not conducted as required: the Enrollee shall:

- Update the online CIWQS Sanitary Sewer System Database and select the justification for not conducting the Audit; and
- Notify its corresponding Regional Water Board (see Attachment F (Regional Water Quality Control Board Contact Information)) of the justification for the lapsed requirements.

The Enrollee's reporting of a justification for not conducting a timely Audit does not justify non-compliance with this General Order. The Enrollee shall:

- Submit the late Audit as required in this General Order; and
- Comply with subsequent Audit requirements and due dates corresponding with the original audit cycle.

3.11. Sewer System Management Plan Reporting Requirements

For an Existing Enrollee previously regulated by Order 2006-0003-DWQ: **Within every six (6) years after the required due date of its last Plan Update**, the Legally Responsible Official shall upload and certify a local governing entity-approved Sewer System Management Plan Update to the online CIWQS Sanitary Sewer System Database. If the electronic document format or size capacity prevents the electronic upload of the Plan, the Legally Responsible Official shall report an electronic link to its updated Sewer System Management Plan posted on its own website.

Order 2006-0003-DWQ required each enrollee to develop its initial Sewer System Management Plan per the following schedule, with required Plan updates at a frequency of 5-years thereafter:

Systems serving populations: Greater than 100,000: May 2, 2009

Between 100,000 and 10,000: August 2, 2009

Between 10,000 and 2,500: May 2, 2010

Less than 2,500: August 2, 2010

This Order carries forth the previously-required Plan Update schedule per Order 2006-0003-DWQ. Per the six-year Plan Update frequency required in this Order, the Enrollee shall upload and certify its first Plan Update, to the online CIWQS Sanitary Sewer System Database by the following due dates, with subsequent Plan Updates at the frequency of six years thereafter:

Systems serving populations: Greater than 100,000: May 2, 2025

Between 100,000 and 10,000: August 2, 2025

Between 10,000 and 2,500: May 2, 2026

Less than 2,500: August 2, 2026

For a New Enrollee: **Within twelve (12) months of its Application for Enrollment Approval date**, the Legally Responsible Official of a new Enrollee shall upload and certify a local governing entity-approved Sewer System Management Plan to the online CIWQS Sanitary Sewer System Database. If electronic document format or size capacity prevents the electronic upload of the Plan, the Legally Responsible Official shall report an electronic link to its Sewer System Management Plan posted on its own website. The due date for subsequent 6-year Plan updates, is six (6) years from the submittal due date of the new Enrollee's first Sewer System Management Plan.

4. RECORDKEEPING REQUIREMENTS

The Enrollee shall maintain records to document compliance with the provisions of this General Order, and previous General Order 2006-0003-DWQ as applicable, for each sanitary sewer system owned, including any required records generated by an Enrollee's contractor(s).

4.1. Recordkeeping Time Period

The Enrollee shall maintain records of documents required in this Attachment, including records collected for compliance with this General Order, and records collected in accordance with previous General Order 2006-0003-DWQ, for five (5) years.

4.2. Availability of Documents

The Enrollee shall make the records required in this General Order readily available, either electronic or hard copies, for review by Water Board staff during onsite inspections or through an information request.

4.3. Spill Reports

The Enrollee shall maintain records for each of the following spill-related events and activities:

- Spill event complaint, including but not limited to records documenting how the Enrollee responded to notifications of spills. Each complaint record must, at a minimum, include the following information:
    - Date, time, and method of notification,

- Date and time the complainant first noticed the spill, if available,
- Narrative description of the complaint, including any information the caller provided regarding whether the spill has reached surface waters or a drainage conveyance system, if available,
- Complainant's contact information, if available, and
- Final resolution of the complaint;

- Records documenting the steps and/or remedial action(s) undertaken by the Enrollee, using all available information, to comply with this General Order, and previous General Order 2006-0003-DWQ as applicable;
- Records documenting how estimate(s) of volume(s) and, if applicable, volume(s) of spill recovered were calculated;
- All California Office of Emergency Services notification records, as applicable; and
- Records, in accordance with the Monitoring Requirements in this Attachment.

4.4. Recordkeeping of Category 4 Spills and Non-Category 1 Lateral Spills

An Enrollee must maintain the following records for each individual Category 4 spill and for each individual non-Category 1 Enrollee-owned and/or operated lateral spill, and report in accordance to section 3.6 (Annual Certified Spill Reporting of Category 4 and/or Lateral Spills) of this Attachment.

Recordkeeping of Individual Category 4 Spill Information:

1. Contact information: Name and telephone number of Enrollee contact person to respond to spill-specific questions;
2. Spill location name;
3. Description and GPS coordinates for the system location where the spill originated;
4. Did the spill reach a drainage conveyance system? If Yes:
   - Description of drainage conveyance system location,
   - Estimated spill volume fully recovered within the drainage conveyance system, and
   - Estimated spill volume remaining within the drainage conveyance system;
5. Estimated total spill volume exiting the sanitary sewer system;
6. Spill date and start time;
7. Spill cause(s) (for example, root intrusion, grease deposition, etc.);
8. System failure location (for example, main, pump station, etc.);
9. Description of spill response activities including description of immediate spill containment and cleanup efforts;
10. Description of how the volume estimation was calculated, including, at minimum:

- The methodology and type of data relied upon, including supervisory control and data acquisition (SCADA) records, flow monitoring or other telemetry information used to estimate the volume of the spill discharged, and the volume of the spill recovered (if any volume of the spill was recovered), and
- The methodology and type of data relied upon to estimate the spill start time, on-going spill rate at time of arrival (if applicable), and the spill end time;

11. Description of implemented system modifications and operating/maintenance modifications.

Recordkeeping of Individual Lateral Spill Information:

1. Date and time the Enrollee was notified of, or self-discovered, the spill;
2. Location of individual spill;
3. Estimated individual spill volume;
4. Spill cause(s) (for example, root intrusion, grease deposition, etc.); and
5. Description of how the volume estimations were calculated.

Total Annual Spill Information:

1. Estimated total annual spill volume;
2. Description of spill corrective actions, including at minimum:
   - Local regulatory enforcement action taken against the sewer lateral owner in response to a spill, as applicable, and
   - System operation, maintenance and program modifications implemented to prevent repeated spill occurrences at the same spill location.

4.5. Sewer System Telemetry Records

The Enrollee shall maintain the following sewer system telemetry records if used to document compliance with this General Order, and previous General Order 2006-0003-DWQ as applicable, including spill volume estimates:

- Supervisory control and data acquisition (SCADA) system(s);
- Alarm system(s);
- Flow monitoring device(s) or other instrument(s) used to estimate sewage flow rates, and/or volumes;
- Computerized maintenance management system records; and
- Asset management-related records.

4.6. Sewer System Management Plan Implementation Records

The Enrollee shall maintain records documenting the Enrollee's implementation of its Sewer System Management Plan, including documents supporting its Sewer System Management Plan audits, corrections, modifications, and updates to the Sewer System Management Plan.

4.7. Audit Records

The Enrollee shall maintain, at minimum, the following records pertaining to its Sewer System Management Plan audits, and other internal audits:

- Completed audit documents and findings;
- Name and contact information of staff and/or consultants that conducted or involved in the audit; and
- Follow-up actions based on audit findings.

4.8. Equipment Records

The Enrollee shall maintain a log of all owned and leased sewer system cleaning, operational, maintenance, construction, and rehabilitation equipment.

4.9. Work Orders

The Enrollee shall maintain record of work orders for operations and maintenance projects.

ATTACHMENT E2 – SUMMARY OF NOTIFICATION, MONITORING AND REPORTING REQUIREMENTS

This Attachment provides a summary of notification, monitoring and reporting requirements, by spill category, and for Enrollee-owned and/or operated laterals as required in Attachment E1 of this General Order, for quick reference purposes only.

Table E2-1

Spill Category 1: Spills to Surface Waters

Spill Requirement	Due	Method
Notification	**Within two (2) hours** of the Enrollee's knowledge of a Category 1 spill of 1,000 gallons or greater, discharging or threatening to discharge to surface waters: Notify the California Office of Emergency Services and obtain a notification control number.	California Office of Emergency Services at: (800) 852-7550 (Section 1 of Attachment E1)
Monitoring	• Conduct spill-specific monitoring; • Conduct water quality sampling of the receiving water within **18 hours** of initial knowledge of spill of 50,000 gallons or greater to surface waters.	(Section 2 of Attachment E1)
Reporting	• Submit Draft Spill Report **within three (3) business days** of the Enrollee's knowledge of the spill; • Submit Certified Spill Report **within 15 calendar days** of the spill end date; • Submit Technical Report **within 45 calendar days** after the spill end date for a Category 1 spill in which **50,000 gallons or greater** discharged to surface waters; and • Submit Amended Spill Report **within 90 calendar days** after the spill end date.	(Section 3.1 of Attachment E1)

Table E2-2
Spill Category 2: **Spills of 1,000 Gallons or Greater That Do Not Discharge to Surface Waters**

Spill Requirements	Due	Method
Notification	**Within two (2) hours** of the Enrollee's knowledge of a Category 2 spill of 1,000 gallons or greater, discharging or threatening to discharge to waters of the State: Notify California Office of Emergency Services and obtain a notification control number.	California Office of Emergency Services at: (800) 852-7550 (Section 1 of Attachment E1)
Monitoring	Conduct spill-specific monitoring.	(Section 2 of Attachment E1)
Reporting	• Submit Draft Spill Report **within three (3) business days** of the Enrollee's knowledge of the spill; • Submit Certified Spill Report **within 15 calendar days** of the spill end date; and • Submit Amended Spill Report **within 90 calendar days** after the spill end date.	(Section 3.2 of Attachment E1)

Table E2-3
Spill Category 3: Spills of Equal or Greater than 50 Gallons and Less than 1,000 Gallons That Does Not Discharge to Surface Waters

Spill Requirements	Due	Method
Notification	Not Applicable	Not Applicable
Monitoring	Conduct spill-specific monitoring.	(Section 2 of Attachment E1)
Reporting	• Submit monthly Certified Spill Report to the online CIWQS Sanitary Sewer System Database within **30 calendars days** after the end of the month in which the spills occur; and • Submit Amended Spill Reports **within 90 calendar days** after the Certified Spill Report due date.	(Section 3.3 and 3.5 of Attachment E1)

Table E2-4
Spill Category 4: Spills Less Than 50 Gallons That Do Not Discharge to Surface Waters

Spill Requirements	Due	Method
Notification	Not Applicable	Not Applicable
Monitoring	Conduct spill-specific monitoring.	(Section 2 of Attachment E1)
Reporting	• If, during any calendar month, Category 4 spills occur, certify monthly, the estimated total spill volume exiting the sanitary sewer system, and the total number of all Category 4 spills into the online CIWQS Sanitary Sewer System Database, within 30 days after the end of the calendar month in which the spills occurred. • Upload and certify a report, in an acceptable digital format, of all Category 4 spills to the online CIWQS Sanitary Sewer System Database, by February 1st after the end of the calendar year in which the spills occur.	(Section 3.4, 3.6, 3.7 and 4.4 of Attachment E1)

Table E2-5
Enrollee Owned and/or Operated Lateral Spills That Do Not Discharge to Surface Waters

Spill Requirements	Due	Method
Notification	**Within two (2) hours** of the Enrollee's knowledge of a spill of 1,000 gallons or greater, from an enrollee-owned and/or operated lateral, discharging or threatening to discharge to waters of the State: Notify California Office of Emergency Services and obtain a notification control number. Not applicable to a spill of less than 1,000 gallons.	California Office of Emergency Services at: (800) 852-7550 (Section 1 of Attachment E1)
Monitoring	Conduct visual monitoring.	(Section 2 of Attachment E1)
Reporting	• Upload and certify a report, in an acceptable digital format, of all lateral spills (that do not discharge to a surface water) to the online CIWQS Sanitary Sewer System Database, by February 1st after the end of the calendar year in which the spills occur. • Report a lateral spill of any volume that discharges to a surface water as a Category 1 spill.	(Sections 3.6, 3.7 and 4.4 of Attachment E1)

ATTACHMENT F – REGIONAL WATER QUALITY CONTROL BOARD CONTACT INFORMATION

This Attachment provides a map, list of counties, and contact information to assist the Enrollee in identifying the corresponding Regional Water Quality Control Board office, for all Regional Water Board notification requirements in this General Order.



Region 1 -- North Coast Regional Water Quality Control Board:
Del Norte, Glenn, Humboldt, Lake, Marin, Mendocino, Modoc, Siskiyou, Sonoma, and Trinity counties.

RB1SpillReporting@waterboards.ca.gov or (707) 576-2220

Region 2 -- San Francisco Bay Regional Water Quality Control Board:
Alameda, Contra Costa, San Francisco, Santa Clara (Northern most part of Morgan Hill), San Mateo, Marin, Sonoma, Napa, Solano counties.

RB2SpillReports@waterboards.ca.gov or (510) 622-2369

Region 3 -- Central Coast Regional Water Quality Control Board:
Santa Clara (most of Morgan Hill), San Mateo (Southern portion), Santa Cruz, San Benito, Monterey, Kern (small portions), San Luis Obispo, Santa Barbara, Ventura (Northern portion) counties.

CentralCoast@waterboards.ca.gov or (805) 549-3147

Region 4 -- Los Angeles Regional Water Quality Control Board:
Los Angeles, Ventura counties (small portions of Kern and Santa Barbara counties).

rb4-ssswdr@waterboards.ca.gov or (213) 576-6600

Region 5 -- Central Valley Regional Water Quality Control Board:

Rancho Cordova (Sacramento) Office: Colusa, Lake, Sutter, Yuba, Sierra, Nevada, Placer, Yolo, Napa, (North East), Solano (West), Sacramento, El Dorado, Amador, Calaveras, San Joaquin, Contra Costa (East), Stanislaus, Tuolumne counties.

RB5sSpillReporting@waterboards.ca.gov or (916) 464-3291

Fresno Office: Fresno, Kern, Kings, Madera, Mariposa, Merced, and Tulare counties, and small portions of San Benito and San Luis Obispo counties.

RB5fSpillReporting@waterboards.ca.gov or (559) 445-5116

Redding Office: Butte, Glen, Lassen, Modoc, Plumas, Shasta, Siskiyou, and Tehama counties.

RB5rSpillReporting@waterboards.ca.gov or (530) 224-4845

Region 6 -- Lahontan Regional Water Quality Control Board:
Lake Tahoe Office: Alpine, Modoc (East), Lassen (East side and Eagle Lake), Sierra, Nevada, Placer, El Dorado counties.

RB6sSpillReporting@waterboards.ca.gov or (530) 542-5400

Victorville Office: Mono, Inyo, Kern (East), San Bernardino, Los Angeles (North East corner) counties.

RB6vSpillReporting@waterboards.ca.gov or (760) 241-6583

Region 7 -- Colorado River Basin Regional Water Quality Control Board:
Imperial county and portions of San Bernardino, Riverside, San Diego counties.

RB7SpillReporting@waterboards.ca.gov or (760) 346-7491

Region 8 -- Santa Ana Regional Water Quality Control Board:
Orange, Riverside, San Bernardino counties.

RB8SpillReporting@waterboards.ca.gov or (951) 782-4130

Region 9 -- San Diego Regional Water Quality Control Board:
San Diego county and portions of Orange and Riverside counties.

RB9Spill_Report@waterboards.ca.gov or (619) 516-1990

End of Order 2022-0103-DWQ

Appendix F

Draft Sanitary Sewer Design Standards and Plans

Note: Incomplete sections have been omitted. Unverified references have been omitted.

DRAFT SANITARY SEWER STANDARDS

SANITARY SEWER DESIGN STANDARDS AND PLANS

GENERAL

Sanitary Sewer Plans shall meet the criteria specified in Private Contract Sanitary Sewer Procedural Manual, latest edition, published by Los Angeles County Department of Public Works and shall also incorporate the following:

1. TV INSPECTION

1.1. Prior to acceptance of any sanitary sewer line by the City, said line shall be inspected internally by television as outlined below at no cost to the City.

1.2. Defects such as high and low spots, joint separations, offset joints, chipped ends, cracked or damaged pipe, infiltration points and debris in lines shall be corrected at no cost to the City.

1.3. The complete job is ready for television inspection when the following work has been completed:

1.4. All sewer pipelines are installed, backfilled and compaction testing completed.

1.5. All structures are in place, all channeling is complete and pipelines are accessible from structures.

1.6. All other underground facilities, utility piping and conduits are installed, inspected, tested and compaction testing completed.

1.7. Final street subgrading is complete and ready for asphaltic concrete surfacing.

1.8. Pipelines to be inspected have been preliminarily balled, flushed and mandrel or cleaned with a high pressure cleaner.

1.9. Final air test has been completed and approved.

1.10. When the above work is complete, the Developer shall arrange for the television inspection.

1.11. The Developer of the project will notify the City in writing as to the scheduled date of the television inspection.

1.12. The entire job will be initially televised and video taped. The tapes (or digital video) and reports shall be delivered to the City.

1.13. The Developer will be notified in writing of any deficiencies revealed by the television inspection that will require repair. If corrective work is indicated and Developer wishes to view videotapes, he shall contact the City to set a time for viewing with the Engineer.

1.14. Corrective work shall be done. The cost shall be borne by the Developer.

1.15. Those portions of the pipeline system that have been corrected must be inspected, tested, re-televised and video-taped and the tapes and reports delivered to the City.

1.16. The procedure outlined in conditions 1.4 through 1.15 above will be repeated until all deficiencies observed by television have been corrected to the complete satisfaction of the City.

1.17. All video tapes and reports become the property of the City to be used as “Record Drawings" for future reference.

DESIGN STANDARDS

All sanitary sewer system infrastructure shall be designed according to the following standards and details as required by Ordinance No. 1554, an ordinance of the City Council of the City of Monterey Park adopting Title 13 establishing sanitary sewers and industrial waste as promulgated in Chapter 13.08 Article 3 and the Standard Drawings included in the Private Contract Sanitary Sewer Procedural Manual, latest edition, published by Los Angeles County Department of Public Works or other standards adopted by the City Engineer.

Condominium sewers - New condominium developments shall be served with main-line sewers and house lateral sewers such that each building will have a separate and independent connection to a main-line sewer.

Large lots--Sewer service requirements - Where a lot is of sufficient size that the Zoning Ordinance, as set out at [reference] of City Municipal Code does not prohibit its division into smaller parcels, each of such possible parcels into which such lot legally may be divided, upon which one or more buildings containing plumbing facilities are or may be located, shall be considered as a separate lot. Separate house laterals shall be constructed to the main-line sewer for each of such possible parcels except where the owner has filed an affidavit as provided in the Monterey Park Plumbing Code (see [reference]). If the main-line sewer does not extend to a point from which such possible parcels can be served in accordance with the requirements of said Chapter the main- line sewer must be extended in compliance with said Chapter.

Participation in project--Letter requirements…incomplete.

Dedication of sewers

1. An offer of dedication of sewers to the City shall be included in the agreement to construct sewers for a new subdivision which accompanies the faithful performance security guaranteeing the construction required as a condition for the recordation of the tract map or parcel map.

2. Before plans for the construction of any other public main-line sewer are approved by the City Engineer, the person causing such plans to be prepared shall present an “offer of dedication,” signed and acknowledged, on forms provided by the City Engineer.

3. When the construction of the sewer, has been completed and accepted by the Council, the sewer becomes a public sewer.

4. No sewer shall be accepted for dedication by the City unless such sewer has been constructed in conformity with the requirements herein.

5. Exceptions:

6. If a literal compliance with any engineering requirement of this Chapter is impossible or impractical because of peculiar conditions in no way the fault of the person requesting an exception, and the purposes of this Chapter may be accomplished and public safety secured by an alternate construction or procedure, and the City Engineer so finds that such alternate complies with sound engineering practice, he may grant an exception permitting such alternate construction or procedure.

Plan Preparation by Registered Civil Engineer

1. Any plans submitted for approval under the provisions of this section shall be prepared by or under the direction of and shall be signed by a registered civil engineer of the state of California or by a professional engineer registered in the discipline required for the type of infrastructure proposed.

2. Before a sewer construction permit may be issued, plans for the proposed construction shall be submitted to and approved by the City Engineer, unless the City Engineer determines that plans are not necessary.

3. After all required plan check fees in the fee resolution have been paid, the City Engineer shall check the submitted plans for compliance with the requirements of this ordinance and other applicable laws and ordinances of the county, state, or other governmental jurisdiction.

4. If plan corrections and other requirements necessary for plan approval have not been completed within one year after the checked plans are returned by the of Public Works Department, it shall constitute abandonment of the work and the City Engineer shall so notify the person who has submitted the plans.

5. Approval of a sewer plan shall expire two years from the date of the approval, unless construction of the facilities has commenced.

6. Resubmission of abandoned and expired plans shall be subject to new plan check fees.

Sewer Easement Requirements:

1. A person desiring to construct a sewer in an easement under the provisions of this Chapter shall present to the City Engineer a request for processing, sufficient information to enable the preparation of a written description, and the fees specified in the City Fee Resolution.

2. The location and dimensions of sanitary sewer easements shall be sufficient to provide present and future sewer service to abutting areas and adequate access for maintenance as determined by the City Engineer.

3. Until the required easements have been properly executed and recorded.

4. No plans shall be approved by the City Engineer for sewer facilities to be constructed by any person across the property of others.

5. No sewer facilities shall be accepted for public use, nor placed in use by any person.

Main-line sewers--Size specifications.

1. The size of main-line sewer pipe shall be determined by standards of design and the coefficients determined by the City Engineer, but in no case shall it be less than eight inches inside diameter. Individual building, commercial or industrial plant capacities shall be the determining factor when they exceed the coefficients shown. The coefficient to be used for any zoned area not listed will be determined by the City Engineer based upon the intended development and use.

2. The City Engineer shall determine which of the coefficients or combination of coefficients shall be used for design, as determined by the established or proposed zoning in the study area. Any modifications to these coefficients due to topography, development or hazard areas shall be approved by the City Engineer.

Main-line sewers--Minimum velocity.

A mainline sewer shall be designed to provide a minimum velocity of two feet per second for pipes flowing one-half full, except that the City Engineer may approve a gradient that will develop a lower velocity if he finds that a gradient that will develop a velocity of two feet per second is unobtainable.

Bench marks and elevations.

A bench mark shall be shown on the profile sheets. The elevations shall be based on NAVD 88 Datum or a datum acceptable to the City Engineer. The bench mark shall be a published benchmark near the project area used in the design of the project and adequate to construct the work. The bench mark description shall state the bench mark datum, County Quad name, adjustment year and description. The elevation of the sewer at the point where the system is to be discharged shall be shown as determined in the field from the above shown datum.

Soil conditions.

Soil conditions, particularly in areas known to have high groundwater tables, rock, or filled ground, shall be prospected, and the results shown on the profile, if required by the City Engineer.

Grades.

The slope of the sewer shall be shown on the plans in feet of fall per 100 feet of horizontal distance, expressed as a percentage. Slopes used expressed in percentages shall be divisible, without remainder, by four in the hundredth column. For example,

0.36 percent complies with these requirements.

Main-line sewers--Alignment and location in street.

Where design considerations permit, main-line sewers shall have a straight alignment, and shall be located five feet from and on the northerly and easterly sides of the centerlines of streets or alleys, except on major or secondary highways where separate sewers shall be located in the roadway six feet from each curb line.

Main-line sewers--Depth.

1. The minimum depth for mainline sewers shall be seven and one-half feet.

2. Where groundwater is present, the depth for residential main-line sewers may be sufficient to provide for a house lateral with a minimum depth of at least five feet below the curb grade or centerline of street or alley grade at the property line.

3. Exceptions to the above minimum may be made only on the approval of the City Engineer.

4. House laterals--Specifications generally.

5. For each lot, a six-inch internal diameter house lateral sewer shall be provided in the street, straight in alignment and grade between the main-line sewer and the property line, with minimum depths as required by Section 15, and at right angles to the mainline sewer whenever possible.

6. Exception: House laterals constructed in the street under the provisions of the Monterey Park Plumbing Code, (as set out at [reference]) or house laterals provided in the street for lots restricted to single-family residential use under the provisions of [reference], may have an internal diameter of four inches.

House laterals--Depth.

1. The depth of house laterals at the property line shall be sufficient to provide service to the lowest or farthest point to be served on the lot at a minimum grade of two percent, with the top of the pipe not less than one foot below the ground surface at any point.

2. The minimum depth for house laterals at the property line shall be six feet below the curb grade or the centerline of street or alley grade, except as set forth herein for locations where groundwater is present.

3. Where street-widening lines have been established by the Zoning Ordinance, as set out at [reference], the minimum depth shall be measured at such established line. If house laterals are constructed before the existing street is widened, the depth at the property line shall be such that extension at the same straight grade and alignment to the new property line will produce the required depth.

End structures--Location specifications.

1. End structures shall be placed at whichever of the following locations is farthest up grade:

2. Not less than 10 feet upgrade from the downgrade lot line of the last lot being served;

3. Not more than 40 feet downgrade from the upgrade lot line of the last lot being served, if there may be a future extension of the main-line sewer;

4. At a location where the house lateral and building sewer can be constructed in a straight alignment at right angles to the main-line sewer.

5. End structures shall be manholes.

Manhole structures.

Manhole structures shall be placed in the main-line sewer at all changes of alignment and gradient; the maximum distance between structures shall be not more than 350 feet. All structures shall be designed according to the standard drawings for structures on file in the office of the City Engineer. Exceptions to the above requirements may be made only on approval of the City Engineer.

Substructures

All substructures which will be encountered in the construction or which will be installed as part of the improvement shall be shown and designated on the plan. Large substructures which require special treatment in the design of the sewer shall also be shown in the profile. The engineer who has prepared the plans shall submit to the City Engineer a statement that he has determined from each utility or other company having substructures in the affected area that the location and size of such structures, as shown on the submitted plans, are the same as shown upon such company's records.

Pipe materials--Approval required.

1. All pipes other than vitrified clay or cast iron shall first have been approved for use by the City Engineer and shall be equivalent to vitrified clay or ductile iron in strength, effectiveness, durability and safety in accordance with the use intended.

2. Before approving any pipe, the City Engineer may require satisfactory proof that such pipe is suitable for use, including actual tests performed by an independent and approved testing laboratory at no expense to the City.

Vitrified clay pipe--Installation specifications.

1. Vitrified clay pipe, main-line and house lateral sewers, shall be constructed of the class designated as extra-strength pipe.

2. Sewer pipe installed under a railway shall be encased in concrete, or encased in a steel pipe backfilled with sand, or encased by other approved means which will protect the pipe to the same extent to the satisfaction of the railway company.

3. Sewer pipe installed under a conduit or other structure, or at depths greater than 20 feet or in other locations where the City Engineer determines that additional protection is required, shall be reinforced with a concrete cradle, or encased in concrete, or reinforced by other approved means which will protect the pipe to the same extent.

4. Sewer pipe installed in streets or public easements with the top of the pipe less than four feet below the surface, as determined during construction or indicated on the plans, shall be encased in concrete, or other approved means to protect the pipe.

SUBMITTAL REQUIREMENTS

1. Sanitary Sewer plans shall be submitted as a part of the Street Improvement plan submittal package.

2. See plan checking and submittal requirements.

SEWER IMPROVEMENT PLAN CHECKLIST

COVER SHEET (asterisk items requires special attention by plan checker)

[ ] Refer to "Private Contract" Sanitary Sewer Plans" Manual by L.A. County.

[ ] Refer to "Standard Drawings for Construction" by L.A. County Sanitation District.

[ ] Benchmark - County of Los Angeles, [reference], elevation location, BM#, description, adjustment date.

[ ] Title area - Tract number, Monterey Park number, page number, number of sheets and pages, date, signature and stamp of Engineer, legend of Standard Plans, City Engineer's signature block, Tract number and PC number on right border. Scale 1" = 40'Horz., 1" = 4' Vert.

[ ] * Index Map - Scale: 1" = 600', PC number, Tract number, City limit lines if applicable, tract boundary, location of sewer lines with page references, surrounding tracts, major/secondary highways, railroad tracts, existing sewer lines with size and owner (Los Angeles County Sanitation District Trunk Sewer, etc.)

[ ] * General Notes - to include General Notes as listed in this section.

[ ] * Construction Notes - to include all Construction Notes as listed in this section.

[ ] Private Engineer's Notice to Contractors.

[ ] * Miscellaneous Notes - to include all applicable Notes in this section. [ ] Underground Alert Notice.

[ ] Private Engineer's Statement of Responsibility.

[ ] When crossing a railroad, a maintenance agreement between the City and the railroad company is required prior to plan approval.

[ ] * Need applicable statements.

[ ] Collect charges as indicated - Use when charges are indicated on plan or profile.

[ ] Double vertical scale - Use when scale on profile is changed to 1" = 8'.

[ ] See County Sanitation District for special connection charges - Use in cases as defined by Los Angeles County Sanitation District.

[ ] No charges for connection - Use when no fee is necessary or that fees were paid as part of another project.

[ ] Collect ordinance frontage charges - Use when a fee is necessary to lateral a new user to an existing sewer main line that the user didn't participate in constructing.

[ ] Issue no permits, street must be double lined - Use when a main sewer line is required on both sides of street and only one is available.

PLAN AND PROFILE SHEET PLAN VIEW: l' = 40'

[ ] North arrow (to top or right), plan must be drawn accurately to scale.

[ ] * Existing improvements and utilities shown dashed, limits of construction for existing and new.

[ ] Street names, street widths with street dimensions and main sewer and water location with reference to street centerline.

[ ] Stationing of at least one lot line per block each side of street.

[ ] Tract boundary, tract number, lot lines and numbers, adjacent tract or parcel numbers

[ ] * Pad elevations and lot numbers.

[ ] * Stationing of main sewer lines. Low points will be start of stationing and increase with rise of main sewer line. At junction of independently stationed main sewer lines, an equation shall be used to show relation.

[ ] * Locations of water lines to be per latest design of water plans. [ ] * Invert elevations of utility crossings.

[ ] Lot dimensions and length of curve on curb return.

[ ] * As-Built stationing of existing main sewer lines, continue to use as-built stationing, if practical.

[ ] * Reference PC numbers for existing main sewer lines and Sanitation District designation for trunk sewer lines.

[ ] Call Los Angeles County Sanitation District for methods of joining trunk sewer lines.

[ ] Center plan under profile.

[ ] All H.L. to be constructed to R/W line if main line is more than 5 feet from R/W.

[ ] * Station normal house laterals with respect to connection at main line sewer and at end (at R/W) with respect to main line sewer.

[ ] * Design engineer must consult with railroad company for design requirements and permits when a sewer passes under RR tracks. Steel jacking is required per STD. S-37.

[ ] Four-inch house laterals may be used in single family subdivisions. Six- inch house laterals to be used in all other cases.

[ ] Dash facilities when shown elsewhere on plans.

PROFILE

[ ] * Note scale, if different than 1" = 4'.

[ ] Stationing (every 100') and elevation (every 5') of grid.

[ ] T.C. grade each side and/or surface over sewer when applicable. [ ] Open circle at grade breaks (-0-).

[ ] Station and elevation at surface for grade breaks, intersections, change in conditions.

[ ] Identical points flagged as such.

[ ] * Where clearance (from sewer to object) is .5 feet to 1.5 feet, encase per STD. S-23. Where clearance is less than .5 feet, use ductile iron pipe.

[ ] * Chimneys are required where depth of main line sewer is 15 feet or more.

[ ] Cradling or encasement is required where depth of main line sewer is 20 feet or more.

[ ] 0.75 feet between outlet elevation and the bottom (base) of MH structure.

[ ] Sewer grades should be in multiples of 0.40 percent if practical.

[ ] Use lettered section designations only when two or more sections appear on one page.

[ ] Lower manhole on each view to be shown dashed if shown solid on any other view.

[ ] * Backwater valves are required when pads serviced by a main sewer line are lower in elevation than the next upstream MH.

[ ] Avoid use of vertical curves. Minimum length of vertical curve shall be 40 feet. Elevation and station to be shown every 10 feet.

[ ] House laterals to be constructed with 1/4" per foot rise to the R/W line.

[ ] * Label and flag up (45 degrees) all inlets and outlets unless the required drop is centerline.

[ ] * Main sewer line or house laterals must be encased where less than four feet of cover to subbase in street is available.

[ ] In local streets, main line sewers should be located 5 feet northerly or easterly of the street centerline.

[ ] Minimum distance between center of manhole and curb line is 6 feet.

[ ] City boundary line to be shown as dash-double dot lines. _ _

[ ] * Maximum manhole distance to be 350 feet.

[ ] * Horizontal curve table with delta, radius, length of curve, and tangent consecutively labeled. Horizontal curve data shall be identified by a number in a circle and shall be consistent throughout the set of plans. Only one curve of any kind allowed between manholes. Minimum radius for 8" sewer is 120 feet. Maximum delta is 60 degrees.

[ ] Call out curb lines, utilities and substructures, street centerline, H.L., wyes, encasements, cradles, chimneys, shallow manholes, stubs, plugs, BC and EC, easements, future construction, identical points, direction of flow, size of sewers, R/W.

[ ] Call out page references to match lines.

[ ] * Elevation of MH tops required in areas of new paving. MH tops in existing paving to meet grade. MH tops in undeveloped areas to be 6" above grade.

[ ] * For required drops through manholes see STD. S-C5.

City of Monterey Park

SEWER IMPROVEMENT PLANS

320 W. Newmark

Monterey Park, CA 91754

Parcel/Tract _____Monterey Park P.C. _____

Engineer _____ Telephone _____

Please make the corrections shown on the attached check prints and return the following circled items. IF REQUESTED ITEMS ARE NOT INCLUDED IN THE FOLLOWING SUBMITTAL, IT WILL BE DEEMED AS INCOMPLETE AND NOT BE ACCEPTED.

1. CORRECTION (REDLINE) PRINTS AND TWO FOLDED SETS OF CORRECTED PRINTS.

2. COPY OF FIELD NOTES showing: Existing manhole ties, invert elevations, surface over sewer and topography.

3. PROVIDE SANITARY SEWER AREA DESIGN CALCS. With engineers seal and signature.

4. UNDERGROUND LETTER: Complete, sign, seal and return (Contacting utility companies by phone is okay).

5. PARTICIPATION LETTER: Complete and return. (The description of the property should be as simple as possible, for example: "Tract 40000.")

6. SUBMIT ORIGINAL MYLARS AND ONE SET OF CORRECTED PRINTS & REDLINES, after bonds have been posted.

7. A COMPLETE SET OF TRACT WATER PLANS.

8. PROVIDE OR REVISE CITY OF MONTEREY PARK COST ESTIMATE FORM.

9. PROVIDE PROOF OF RECORDED EASEMENT FOR SANITARY SEWERS, as shown on plan, page _____.

1st____2nd ____3rd ____Check By_____ Date_____

ADDITIONAL REQUIREMENTS:

_____

_____

_____

PARTICIPATION LETTER

CITY OF MONTEREY PARK `DATE _____

MONTEREY PARK PRIVATE CONTRACT NO._____

TRACT NO. _____

Dear Sir:

The following is a full and complete list of all abutting properties which have contributed to the cost of construction of the sewer system constructed under Monterey Park Private Contract No. _____.

(Notarization not required) _____

Owner's Signature

NOTE: Properties connecting to public sewers constructed at no cost to the abutting property may be made subject to charges as prescribed by [reference].

UNDERGROUND LETTER

CITY OF MONTEREY PARK

MONTEREY PARK PRIVATE CONTRACT NO._____

SEWERS IN _____

VICINITY OF _____

Dear Sir:

I have made a search of the available records as well as a physical inspection of the site and all water wells found within 200 feet of the sewers, if any, are shown on the plans.

In compliance with [reference], I have checked and determined from the following utility or other companies having substructures in the affected area that the location and size of such structures, as shown on the submitted plans, are the same as shown upon such company's record and to the best of my knowledge there is no interference with the proposed sewers.

_____

Time Warner Cable

_____

Water Purveyor (District)

_____

Southern California Gas Company.

_____

Telephone Company

_____

Southern California Edison Company

By: _____

R.C.E. No. _____

GENERAL NOTES

1) Elevations are in English units of feet based on North American Vertical Datum of 1988, with the latest adjustment as shown in Bench Mark List [reference] Quad.

2) No revisions shall be made to these plans without the approval of the City Engineer.

3) No representative of the City Engineer will survey or lay out any portion of the work.

4) Grades to which this sewer is to be constructed are shown on plans and profiles. Grade points for top of curbs, centerline of streets, or centerline of alleys are shown by circles on profiles. At all points between designated points the grade shall be established so as to conform to a straight line drawn between said designated points.

5) The engineer of record shall furnish the City Engineer with grade sheets and stationing for all house laterals and "y" or "t" branches and shall provide stakes for them at their proper locations with stationing plainly marked. All house laterals shall be constructed in a straight alignment at right angles from the main line sewer except as shown on the plans. House laterals from chimneys shall not have an angle of less than 45 degrees with the main line sewer. Any change in alignment shall be requested in writing by the engineer of record.

6) The private engineer shall furnish the house lateral depth at the property line below the top of curb elevation for each house lateral on the grade sheet.

7) Before work can be started, the contractor must obtain a permit to excavate in city streets from the city engineer, and pay a fee to the City of Monterey Park to cover the cost of construction inspection and record plans.

8) Approval of this plan by the City Engineer does not constitute a representation as to the accuracy of the location or the existence of any underground utility pipe or structure within the limits of this project. This note applies to all pages.

9) Refer to [reference] of the Standard Specifications for Public Works Construction, regarding safety orders.

10) Prior to the issuance of the required sewer construction permit, the contractor shall obtain, and file with the City Engineer, a copy of a permit for excavations and trenches from the state of California, division of industrial safety, and a certificate of worker's compensation insurance with the City of Monterey Park named as certificate holder, to be notified 30 days prior to cancellation of policy.

11) If work is to be done on a state highway, a permit must be obtained from the State of California, Division of Highways, 120 South Spring Street, Los Angeles, CA.

12) The engineer of record signing these plans is responsible for the accuracy and acceptability of the work hereon. In the event of discrepancies arising during

construction, the private engineer shall be responsible for determining an acceptable solution and revising the plans for approval by the City Engineer.

13) No connection for the disposal of industrial wastes shall be made to sewers shown on these plans until a permit for industrial wastewater discharge has been issued by the County Sanitation District of Los Angeles County.

14) Before breaking into or construction on a sanitation district owned sewer, and prior to final acceptance of the sewer, the Sanitation District shall be notified by telephone (661) 947-5027 so that the required inspections can be made.

15) All sanitary sewers may require videotaping prior to the final acceptance for maintenance, as determined by the Public Works inspector.

16) The engineer of record shall be required to provide as-built sewer plans to the City Engineer prior to the issuance of a certificate of occupancy.

17) The sanitary sewer shown on these plans will not be accepted for maintenance until such time as the outlet sewer (PC _____) has been constructed and accepted for maintenance by the City of Monterey Park.

18) Important notice - Section 4216/4217 of the Government Code requires a dig alert identification number be issued before a "permit to excavate" will be valid. For your dig alert i.d. number, call underground service alert at 1-800-422-4133, two working days before you dig.

CONSTRUCTION NOTES

1) Work shall be performed according to the latest editions of the Standard Specifications for Public Works construction and the special provisions for the construction of sanitary sewers (supplement to the standard specifications) and shall be completed only in the presence of the City Engineer or the City Engineer's representative. All references to standard specifications and special provisions made hereon shall be to these editions. Other references made hereon are to the latest editions of APWA Standard Plans for Public Works Construction, Los Angeles County Department of Public Works Standard Plans, and the standard drawings of the City of Monterey Park Engineering Design Standards.

2) The contractor shall notify the City of Monterey Park by telephone (661) 307-1320 at least twenty-four hours before starting any work under this contract.

3) House laterals to be constructed with inverts at property line 6 feet below curb grade except as noted.

4) Wye or tee branches may be used for connections to mainline sewers, except as noted.

5) All structures shall be precast concrete sewer manholes per APWA Standard Plan 200-2, except as noted.

6) Provide stakes on the property line or property lines produced at right angles to the sewer line at the centerline of each manhole.

7) Vitrified clay pipe joints shall be type "G" per Standard Specifications Section 208-2 of the Standard Specifications for Public Works Construction.

8) All joints between ductile iron pipe and vitrified clay pipe shall be made with a rubber sleeve joint, type "C" or "D", (with bushing if necessary) per Section 208-2 of the Standard Specifications for Public Works Construction.

9) Sewers to be tested for leakage per Section 306-1.4 of the Standard Specifications for Public Works Construction.

10) Bedding material shall be in accordance with Los Angeles County Standard Plans 2021-0 and 3080-1, and shall be in full compliance with Section 306-1.2.1 of the Standard Specifications for Public

Works Construction. Concrete encasement per Los Angeles County Standard Plan 2023-1, Case II, shall be required when the sewer has less than four feet of cover, and concrete encasement, Case 4, and concrete backfill per Los Angeles County Standard Plan 3080-1, shall be required when the sewer has less than one and one half feet of cover. In no case shall sewer have less than one foot of cover.

11) Sewer trench backfill and repair criteria:

12) For trenches outside of existing or future right-of-way.

13) Backfill trench, per standard specifications Section 306-1.3, and replace other earth removed so as to achieve the natural or finish grades and slopes required and approved for this project by the city engineer.

14) All backfill earth replaced shall be compacted to a min. Of 90 percent of maximum density per ASTM std 698-57t, as modified. Acceptable certification of compaction shall be submitted to the city engineer, prior to the issuance of a certificate of partial acceptance.

15) For trenches within existing or future right-of-way:

16) Backfill trench and repair pavement per Standard Specifications Section 306-1.3 and [reference], as applicable, within City of Monterey Park jurisdiction so as to achieve the existing or proposed grades required and approved for this project by the city engineer.

17) Within state highway or railroad jurisdiction, backfill trench and repair pavement in accordance with requirements of the permits and per Los Angeles County standard plan 3081-0 (for state highway).

18) All wyes and/or house lateral sewers are to be located at least five feet apart and not closer than five feet to any manhole.

19) Saddle connection…incomplete.

20) If during the course of construction it is determined, and is not addressed by the plans, that there is less than four feet of cover over the top of a main line or house lateral sewer, or a power pole is within three feet, the pipe shall be encased per Los Angeles County Standard Plan 2023-1, Case II, unless otherwise approved by the city engineer.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

The existence and location of any underground utility pipes or structures shown on these plans are obtained by a search of available records. To the best of our knowledge there are no existing utilities except as shown on this plan. The Contractor is required to take due precautionary measures to protect the utility lines and any other lines not shown on this plan. Prior to excavation, the Contractor shall call 1-800-422-4144 for the underground location of utility lines. The contractor shall also call the applicable utility companies to verify the locations.

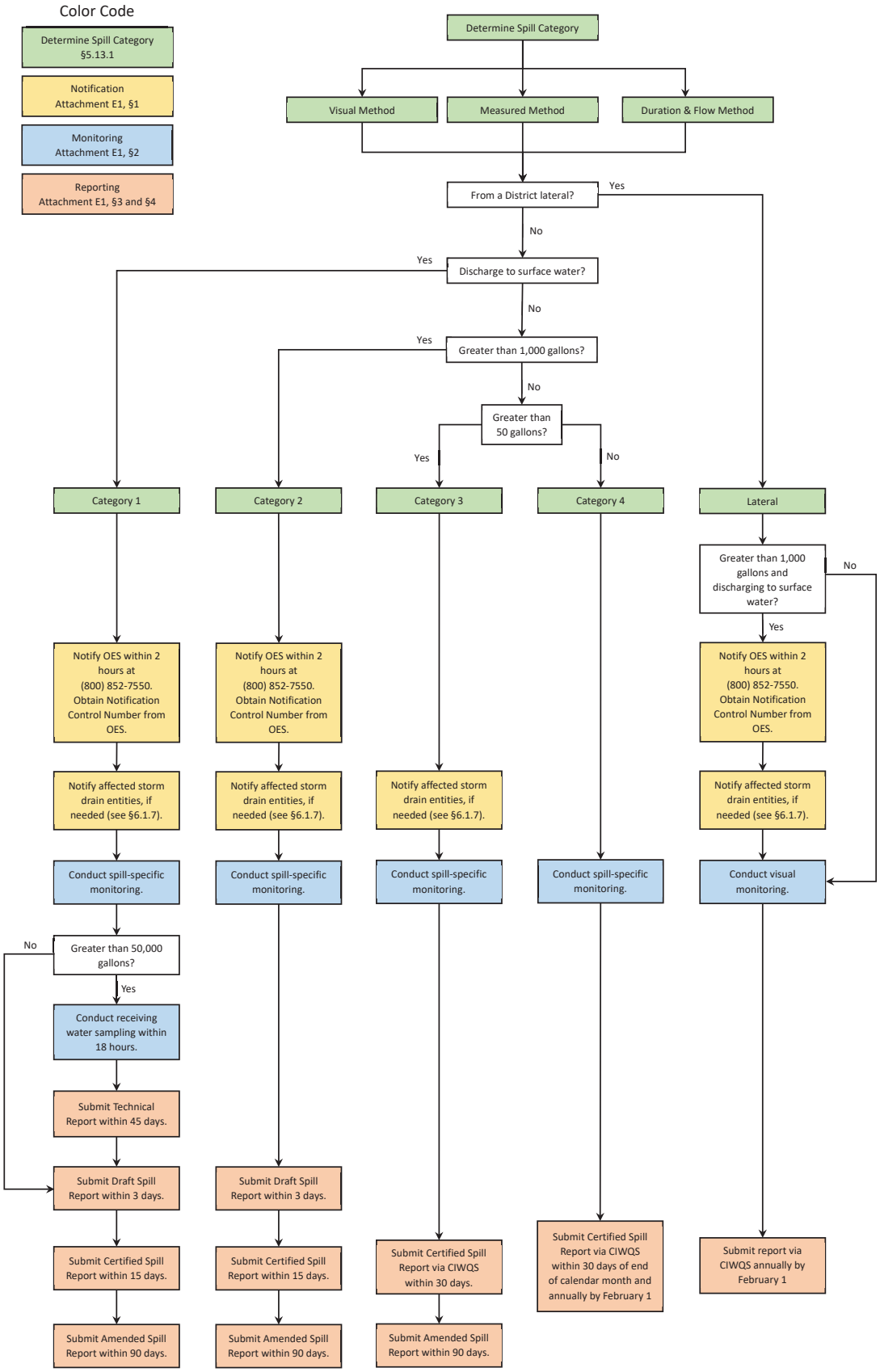
Appendix G

Spill Reporting Template

Appendix Contents

- Notification, Monitoring, and Reporting Flowchart
- Data Collection for Draft Spill Report
- Data Collection for Certified Spill Report
- Data Collection for Spill Technical Report
- Data Collection for Spill-Specific Monitoring

Notification, Monitoring, and Reporting Flowchart



Data Collection for Draft Spill Report

Draft Spill Report Content	
Category 1, 2 and 3	SEPR Coordinator contact information
	Name of spill location
	Date and time of spill notice
	Time maintenance crew arrived
	Estimated start time of spill
	Description, photographs, and GPS coordinates
	Estimated spill volume
	Description and photograph of spill extent and boundary
	Did the spill reach a drainage conveyance system?
	Description and identification of system
	Photographs of entry location
	Estimated volume recovered
	Estimated volume remaining
	Estimate total volume recovered
Category 1 and 2	Time OES was notified
	OES Notification Control Number
Category 1 Only	Description and photographs of discharge point to surface water
	Estimate volume discharged to surface water
Category 2 and 3	Estimated volume captured by basin or facility

Data Collection for Certified Spill Report

Certified Spill Report Content	
Category 1, 2, and 3	Description and GPS coordinates of spill event destination
	Spill end date and time
	Spill volume estimate methodology
	Cause of spill
	System failure location
	Pipe age and condition at failure location
	Description of the impact of the spill
	Was spill associated with a storm event?
	Description of spill response activities
	Description of spill corrective action
	Narrative of investigation and findings of cause of spill
Category 1 and 2	Spill response completion date
	If needed, reason and expected completion of ongoing investigation
Category 1 Only	Name and type of receiving water body
	Description of the water body
	Impacts to aquatic life
	Public closure or restricted use
	Responsible entity for closure or restricted use
	Days of closure or restricted use due to spill
	Was spill within 1000 feet of municipal surface water intake?
	If needed, identify sampling locations and parameters

Spill Causes and Circumstances
Complete and detailed explanation of how and when the spill was discovered
Photographs illustrating:
• spill origin
• extent and reach of the spill
• drainage entrance and exit
• receiving water
• post-cleanup site conditions
Diagram showing:
• spill failure point
• appearance point
• spill flow path
• ultimate destinations
Method and data used to:
• calculate the discharge volume
• calculate the recovered spill volume
Description of spill cause
Description of pipe material and age at failure location
Description of the impact of the spill
Historical maintenance records for the failure location
Response to Spill
Chronological narrative description of all actions taken to terminate spill
Explanation of SERP implementation
Corrective actions completed and scheduled for planned corrective actions:
• Local regulatory enforcement action related to illicit discharge
• System modifications
• Operation and maintenance program modifications
• SERP Modifications
Water Quality Monitoring
Description of water quality sampling activities conducted
List of pollutants and parameters monitored, sampled and analyzed
Laboratory results and reports
Location map of water quality sampling points
Distribution of sampling results to regulatory agencies
Evaluation of Spill Impact
Description of short-term to beneficial use of surface water
Description of long-term to beneficial use of surface water

Data Collection for Spill-Specific Monitoring

Spill Location and Spread
Location where spill originated:
• Photography
• GPS Coordinates
Photography for:
• Drainage conveyance entry locations
• Discharge into surface water, as applicable
• Extent of spill spread
• Location of clean up
Spill Volume Estimation
Visual Method
Measured Volume Method
Duration and Flow Method
Receiving Water Observations
Estimated spill travel time to receiving water
Estimated spill travel time from entering a drainage to point of discharge to receiving water
Estimated spill volume entering receiving water
Photography for:
• Waterbody bank erosion
• Floating matter
• Water surface sheen (i.e. from oil and grease)
• Discoloration of receiving water
• Impact to receiving water
Receiving Water Quality Sampling
Identify 3 sampling locations
• Point in drainage prior to discharge to receiving water
• Point in receiving water at sewage discharge
• Point in receiving water upstream sewage discharge
Sample for ammonia
Sample for appropriate bacterial indicators
Receiving Water Quality Analysis
Sufficiently Sensitive Methods in accordance with 40 Code of Federal Regulations Part 136
Analysis by an accredited laboratory

Appendix H

Methods for Calculating Spill Volume

Methods to Determine Spill Volume

Visual Method

A spills less than 50 gallons can be estimated using an "eyeball estimate." To use this method, imagine the amount of water that would spill from a barrel. A barrel contains just over 50 gallons when full. If the spill appears to be less the volume of a barrel, it may be designated as a Category 4 Spill provided it did not discharge to surface water.

Measured Volume Method

For a small contained spill, the volume may be measured as the impacted area times the average depth.

Duration and Flow Method

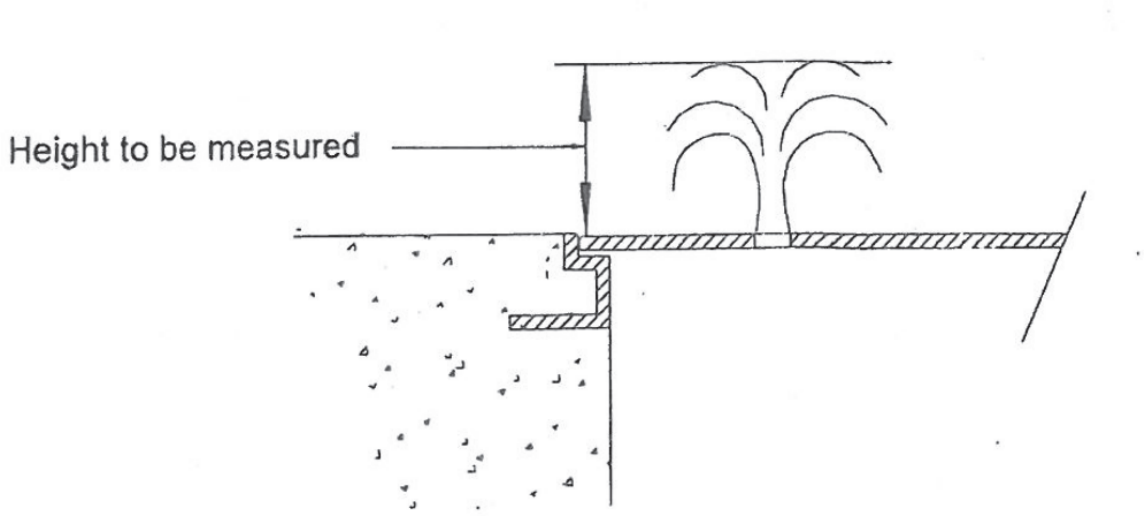
Volume is calculated as flow times duration.

Duration may be derived from data collected for draft and certified spill reports. The Draft Spill Report includes an entry for Estimated Start Time of Spill. The Certified Spill Report in an entry for Spill End Date and Time. The difference between the estimated start and end times of the spill represent the spill duration.

There is no practical method for direct measurement of flow from a spill. Flow may be estimated by visual comparison to the characteristics of known or calculated flows.

Flow Through Vent and Pick Holes

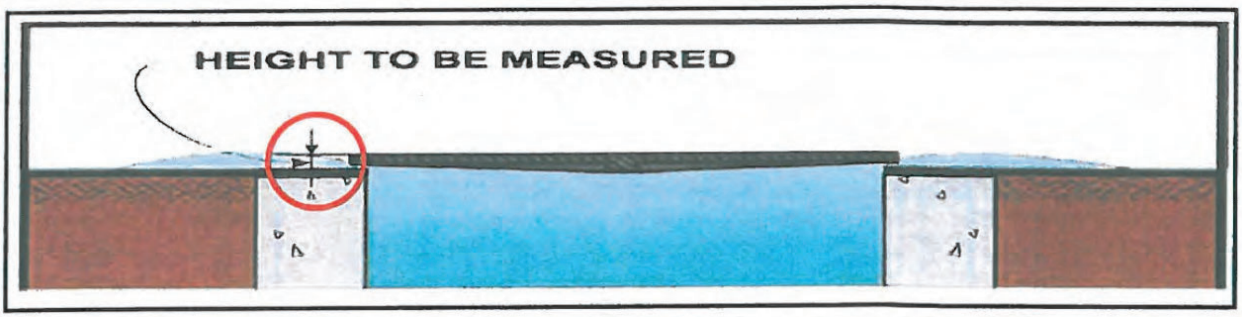
If flow is limited to vent and pick holes in a manhole cover, use the table below to estimate the flow. Total flow is the sum of the individual flows.



Hole Diameter	Discharge Height above Cover	Flow
(inches)	(inches)	(gpm)
Circular Vent Hole		
½	1/16	0.23
½	⅛	0.33
½	¼	0.47
½	½	0.66
½	¾	0.81
½	1	0.94
Circular Vent Hole		
¾	1/16	0.51
¾	⅛	0.72
¾	¼	1.02
¾	½	1.44
¾	¾	1.77
¾	1	2.04
Circular Vent Hole		
1	1/16	0.88
1	⅛	1.25
1	¼	1.77
1	½	2.50
1	¾	3.06
1	1	3.54
Semi-Circular Pick Hole		
1	1/16	0.44
1	⅛	0.63
1	¼	0.89
1	½	1.25
1	¾	1.53
1	1	1.77
1	1 ½	2.17
1	2	2.51

Flow Above the Manhole Ring

If flow is escaping via the manhole ring with the manhole cover in place, use the table below to estimate the flow.



Discharge Height above Rim	Flow for 24-inch Cover	Flow for 36-inch Cover
(inches)	(gpm)	(gpm)
¼	1	1
½	3	4
¾	6	8
1	9	13
1 ¼	12	18
1 ½	16	24
1 ¾	21	31
2	25	37
2 ¼	31	45
2 ½	38	55
2 ¾	45	66
3	54	78
3 ¼	64	93
3 ½	75	109
3 ¾	87	127

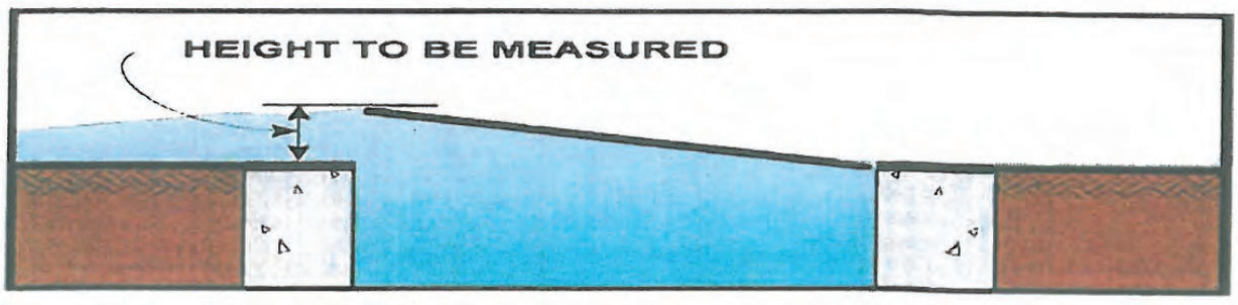
Discharge Height above Rim	Flow for 24-inch Cover	Flow for 36-inch Cover
(inches)	(gpm)	(gpm)
4	100	147
4 ¼	115	169
4 ½	131	192
4 ¾	148	217
5	166	243
5 ¼	185	270
5 ½	204	299
5 ¾	224	327
6	244	357
6 ¼	265	387
6 ½	286	419
6 ¾	308	451
7	331	483
7 ¼	354	517
7 ½	377	551
7 ¾	401	587
8	426	622
8 ¼	451	659
8 ½	478	697
8 ¾	502	734
9	529	773

Flow from a Partially Covered Manhole

If flow lifts one side of the manhole cover, use velocity times the cross-sectional area to estimate flow, as follows.

Estimate velocity based on observation.

Observation	Velocity
Small Velocity	2 fps or less
Medium Velocity	4 to 5 fps
Large Velocity	7 fps or more

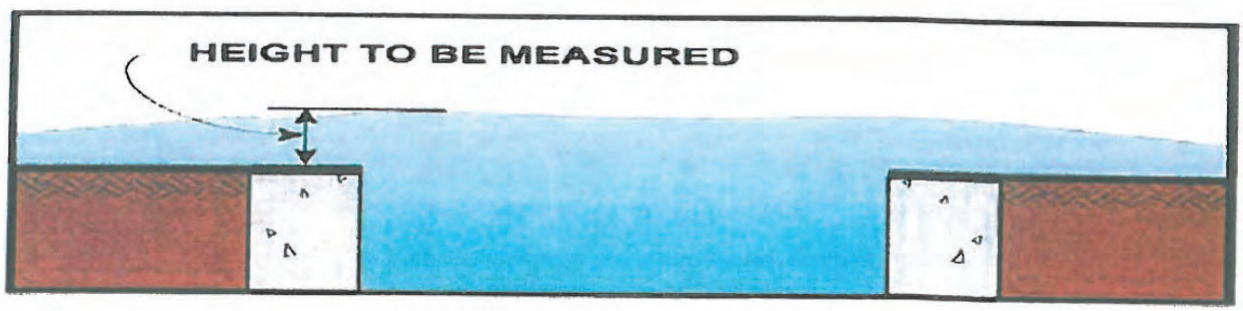


Use the table below to estimate cross-sectional area.

Height of Flow	Area for 24-inch Cover	Area for 36-inch Cover
(inches)	(sf)	(sf)
½	0.131	0.195
1	0.262	0.391
1 ½	0.393	0.586
2	0.524	0.782
2 ½	0.655	0.977
3	0.786	1.173
3 ½	0.917	1.368
4	1.048	1.564

Flow from an Open Manhole

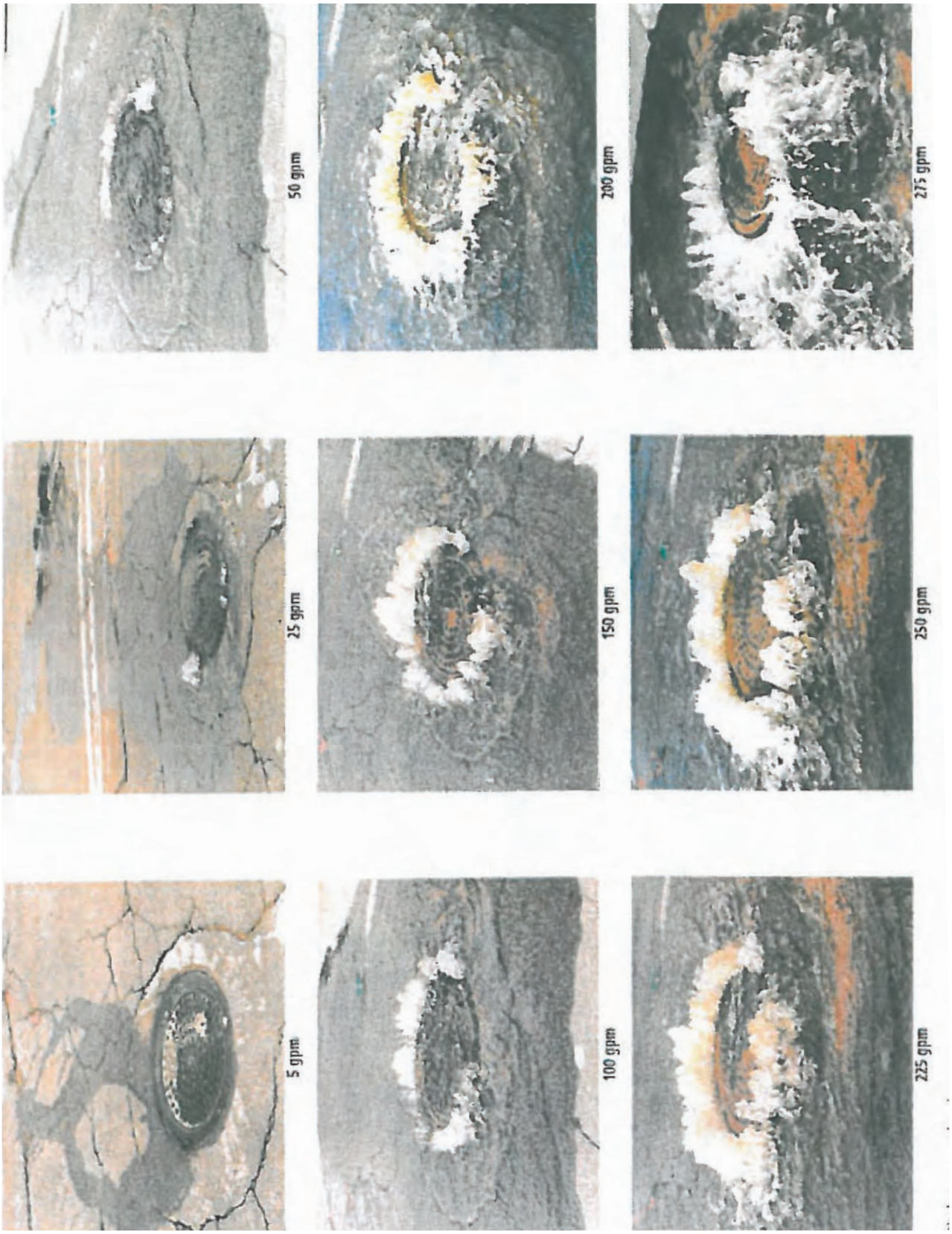
If flow has forced the cover off the manhole, use the table below to estimate the flow.

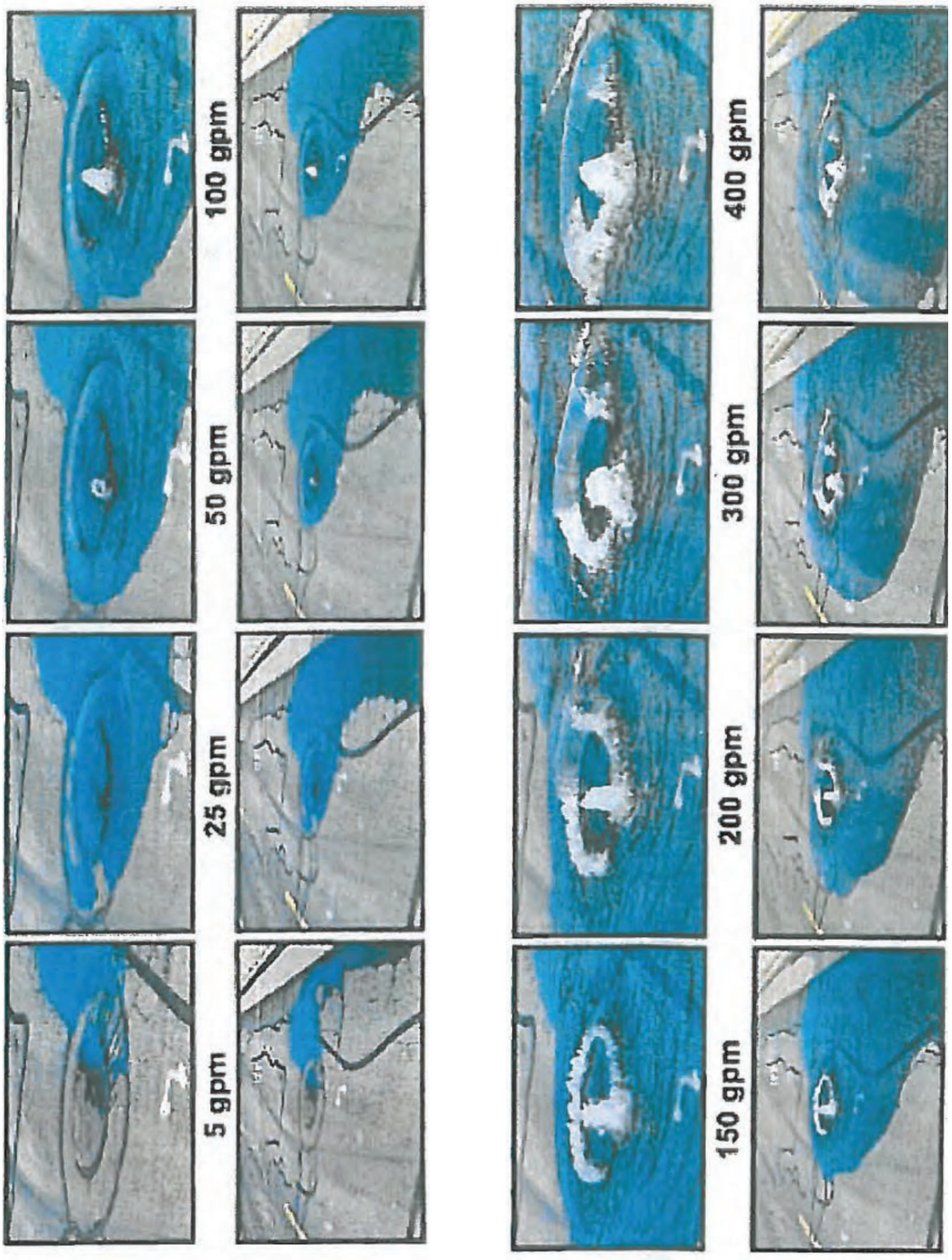


Height above Manhole Frame	Flow for 24-inch Frame	Flow for 36-inch Frame
(inches)	(gpm)	(gpm)
⅛	28	49
¼	62	111
⅜	11	187
½	160	271
⅝	215	361
¾	354	458
⅞	569	556
1	799	660
1 ⅛	1,035	1,035
1 ¼	1,340	1,486
1 ⅜	1,660	1,951
1 ½	1,986	2,424
1 ⅝	2,395	2,903
1 ¾	2,799	3,382
1 ⅞	3,132	3,917
2	3,444	4,458

Pictorial Reference

As a supplemental reference, use the flow rate below for the image that most closely corresponds to field conditions for the spill.


50 gpm
200 gpm
275 gpm
25 gpm
150 gpm
250 gpm
5 gpm
100 gpm
225 gpm


5 gpm
25 gpm
50 gpm
100 gpm
150 gpm
200 gpm
300 gpm
400 gpm

Appendix I

Los Angeles County Grease Interceptor Standards

PRETREATMENT GUIDELINES FOR RESTAURANTS AND FOOD SERVICE OPERATIONS



COUNTY OF LOS ANGELES PUBLIC WORKS
Environmental Programs Division
900 South Fremont Avenue, 3rd Floor Annex Building
Alhambra, CA 91803-1331
Telephone: (626) 458-3517
Fax: (626) 458-3569
https://www.cleanla.com

Purpose of Fats, Oils and Grease (FOG) Program:

This guideline has been developed to provide uniform direction to restaurants and other food service establishments in areas subject to the Industrial Waste Control program of the County of Los Angeles, Public Works (PW), Environmental Programs Division (EPD) and accomplish the following:

➢ To facilitate compliance with Los Angeles County Code (LACC), Title 20, Division 2, other laws, regulations, and ordinances

➢ To protect the public sewer discharge, and

➢ To obtain optimum operating efficiency of pretreatment systems while minimizing maintenance

DEFINITIONS:

The selected definitions below are reproduced for convenience. Those indicated by an asterisk (*) are in addition to those found in LACC, Title 20, Chapter 20.20

Domestic Sewage - "Domestic Sewage" means waterborne wastes derived from ordinary living processes, and of such character as to permit satisfactory disposal, without special treatment, into the public sewer by means of a private sewage disposal system. [LACC §20.20.100]

Drainage Fixture Unit*- "Drainage fixture Unit" is a unit of measure, that expresses the hydraulic load imposed by that fixture on the sanitary plumbing installation". A Fixture Unit is not a flow rate unit but a design factor. A Fixture Unit is used in plumbing design for both water supply and wastewater [https://en.wikipedia.org/wiki/Fixture_unit].

Grease Interceptor* - "Grease Interceptor" is a large (750 gallon in capacity or greater) two or more compartments precast concrete plumbing device designed to intercept and prevent fats, oil, and grease from entering the sanitary sewer system.

Grease Trap* - "Grease Trap" means small, multi-baffle, single compartment, 25 -75 gallons total volume plumbing device designed for the removal of fats, oil, and grease, from the sanitary sewer system. Minimum required capacity for a grease trap is 25 gallons per minute flow rate.

Grease Recovery System* – Grease Recovery System is a grease recovery device/system that is a small single compartment unit with internal mechanisms that separate fats, oils, and grease from drain water flow and automatically removes them from the unit.

Food Service Establishment* – "Food service establishment" means a facility engaged in preparing food for consumption by the public such as a restaurant, bakery, commercial kitchen, caterer, warming kitchens, hotel, school, religious institution, hospital, prison, correctional facility, or care institution.

Fats, Oils, and Greases* – "Fats, Oils, and Greases (FOG)" means nonpetroleum organic polar compounds derived from animal and/or plant sources that contain multiple carbon chain triglyceride molecules. These substances are detectable and measurable using analytical procedure established in the United States Code of Federal Regulations 40 CFR 136, as may be amended from time to time. All are sometimes referred to herein as "grease" or "greases".

Industrial Waste – "Industrial Waste" means any and all waste substances, liquid or solid, except domestic sewage, and includes among other things radioactive wastes and explosives, noxious or toxic gas when present in the sewer system. [LACC §20.20.150]

Industrial Waste Treatment Facility – "Industrial Waste Treatment Facility" means any works or device for the treatment, storage, or control of industrial waste within a site prior to disposal. [LACC §20.20.170]

Interceptor – "Interceptor" means a device designed and installed to separate and retain deleterious, hazardous, or undesirable matter from waste. [LACC §20.20.190]

Pretreatment – "Pretreatment" or "treatment" means the reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutants properties in wastewater to a less harmful state prior to or in lieu of discharging or otherwise introducing such pollutants into POTW or other disposal facility. The reduction or alteration can be obtained by physical, chemical, or biological processes or process changes by use of an industrial waste treatment facility or other means, except as prohibited by 40 CFR Section 403.6(d). [LACC §20.20.264]

ESTABLISHMENTS REQUIRING GREASE INTERCEPTORS:

A pretreatment system/device such as a grease interceptor is required for any new and existing food service establishment or other establishments where FOG from food preparation is introduced/discharged into the sewer system, in quantities that may cause line or public sewer stoppage, interfere with sewage treatment or private sewage disposal.

The following criteria are used by EPD to determine whether a pretreatment system will be required:

1) All food establishments in the City of Lakewood.

2) Establishment is in an area determined by EPD to have potential sewer maintenance problems by excessive grease accumulation, due to a high concentration of food service operations, physical condition of the public sewer system or other factors. Currently identified areas include, but are not limited to, all or portions of the following:

- City of La Verne.
- City of Monterey Park.
- City of Gardena.
- City of West Hollywood.
- City of Cerritos.
- Hacienda Heights/Rowland Heights.
- City of La Puente.
- Marina del Rey.

3) Establishment has a seating capacity of 150 people or more.

4) Establishment discharges to sewer whose grade is less than the minimum grades established by local sewer maintenance agency. The following minimum grades established for those areas where PW is the agency responsible for sewer maintenance.

PIPE SIZE	SEWER GRADES	MINIMUM
8"	0.40%	0.0480 in/ft.
10"	0.32%	0.0384 in/ft.
12"	0.24%	0.0288 in/ft.
15"	0.16%	0.0192 in/ft.
18"	0.14%	0.0168 in/ft.
21"	0.12%	0.0144 in/ft.
24"	0.10%	0.0120 in/ft.

5) Establishment discharges to a sewer which is less than 8 inches normal diameter.

6) Establishment discharges to a dead-end sewer or is located near the end of the sewer line with minimal or no upstream flow.

7) Establishment is engaged in food services where a significant portion of product produced is dispensed through delivery, drive-thru, or take out and/or foods served have initial fat content or are prepared using grills, fryers, stir-fry type (wok) ranges, barbecues, or similar devices where grease must be collected for disposal or utensils must be frequently cleaned.

EXEMPT ESTABLISHMENTS:

Food service establishments of all types may be exempted from grease interceptor installation requirements where the point of connection is to a sewer operated and maintained by a public agency other than PW or an Industrial Waste Control Program contract city and the jurisdictional agency does not require grease interceptor installation. Voluntary installations in such situations where the establishment is physically located within Public Work's jurisdiction shall be subject to this guideline.

Businesses whose operations are limited to the sale of beverages only and/or businesses that do not utilize any cooking equipment(s) may be exempt from installing a grease pretreatment device. Depending on the local jurisdiction ordinances or at the discretion of the County Engineer, such businesses may still be subject to proposing/installing grease pretreatment devices. Even if a food service establishment may be exempt, the site will still be reviewed according to the LACC, Title 20, Division 2 by a County Engineer for consideration and/or approval. If the site is not located in Unincorporated Los Angeles County or one of the Industrial Waste Control Program contracted Cities, then the site will not be reviewed by EPD and must check with the local jurisdiction on the process for whether a grease pretreatment device will need to be installed.

GREASE INTERCEPTOR INSTALLATION REQUIREMENTS:

The proposed grease interceptor(s) shall satisfy the following criteria:

1. Grease interceptor shall be installed in the waste line downstream and as close as practical to fixtures or equipment where grease may be introduced into the drainage or sewer system.

2. Grease interceptor capacity shall be determined by following the California Plumbing Code 2016 Table 1014.3.6*, which are referenced below. Minimum sizing shall not be less than 750 gallons, and no more than 1500 gallons (upper limit for restaurants only), unless otherwise authorized by EPD.

DRAINAGE FIXTURE UNITS **(DFUs)**	INTERCEPTOR VOLUME **(gallons)**
8	500
21	750
35	1000
90	1250
172	1500

For SI units: 1 gallon = 3.785 L
*See California Plumbing Code, Section 1014.3.6 - Sizing Criteria, for details

3. Grease interceptors shall be designed and constructed in accordance with Public Works Standard Plan No.2046-0 or other design specifically approved by EPD. Restaurant grease interceptor shall not include a sampling box, unless otherwise required and/or approved by EPD.

4. There shall be an adequate number of manholes to provide access for cleaning all areas of a grease interceptor, a minimum of two (2) per interceptor. Manhole covers shall be gas tight in construction having a minimum opening dimension of twenty-four (24) inches.

5. In areas where vehicle traffic may exist, the grease interceptor shall be traffic rated by the manufacturer to the loads designated for the installation location and cover.

6. Toilets, urinals, showers, drinking fountains, and other domestic sanitary waste fixtures shall not discharge through the grease interceptor.

7. Any waste generated from fixtures such as ice bins and ice machines, as well as condensate from walk-in coolers, refrigeration, and air conditioning units, need to be discharged to sewer line and not to the grease interceptor line to prevent the premature solidification of greases in sewer lines.

8. Discharges from hot fixtures such as dish washers as well as a temperature more than 140°F need to be discharged to sewer line and not to the grease interceptor line.

9. Unless otherwise approved by EPD, the following facilities/fixtures shall discharge through the grease interceptor: Mop sinks, pot sinks, stir-fry type (wok) range drains, hand sinks and floor sinks in food preparation, cooking, can, cart, and mat wash areas and other grease accumulating fixtures.

10. All wastes shall enter the first compartment of the grease interceptor through the inlet pipe only.

11. Grease interceptor shall be maintained in efficient operating condition by periodic removal of accumulated grease. No such collected grease from the oil bins (for instance) shall be deposited on-site or introduced into any drainage piping, street, gutter, storm drain or public or private sewer.

12. Approval of the location of the indoor pretreatment device by the department of Public Health and Safety is required.

13. Each grease interceptor shall be installed and connected so that it is easily accessible for inspection, cleaning, and removal of accumulated grease, at all times.

14. A grease interceptor shall serve only the establishment where facility was required. Special consideration may be given to multiple businesses establishment connections to a common interceptor where individual installation is not practical and:

a. all tributary establishments are under lease to a common property owner,

b. the property owner agrees to be responsible for the interceptor maintenance,

c. the interceptor is sized for the combined flow for all establishments served by the facility, and

d. the property owner obtains and maintains in full effect an Industrial Waste Disposal Permit for operation of the facility.

15. The introduction of bacteria or similar product(s) into the grease interceptor or sanitary sewer system for the purpose of maintenance shall be subject to prior approval by EPD.

16. Unless specifically required and/or permitted by EPD, no food waste disposal unit (garbage grinder) shall be connected to or discharged into a grease interceptor.

ALTERNATIVE PRETREATMENT DEVICES:

Alternative Grease Recovery Systems in lieu of a restaurant grease interceptor may be authorized by EPD for establishments subject to the above criteria where one of the following can be demonstrated:

I. Inadequate slope exists or cannot be provided for gravity flow between:

a. the otherwise desirable grease interceptor location and the public sewer or collection lines, and/or

b. plumbing fixtures tributary to grease-laden operations and an acceptable grease interceptor location.

II. Inadequate room exists at the site for installation and/or maintenance of a grease interceptor.

INDUSTRIAL WASTE DISPOSAL PERMIT REQUIRED:

All pretreatment facilities weather required by EPD or installed voluntarily shall be maintained and operated under a valid Industrial Waste Disposal Permit (IWDP) for the operating life of the facility. The IWDP may be subject to conditions and limitations including a scheduled maintenance program for substandard or excessively loaded facilities.

Prior to EPD approving a proposed alternative pretreatment device, the applicant must submit the following for consideration:

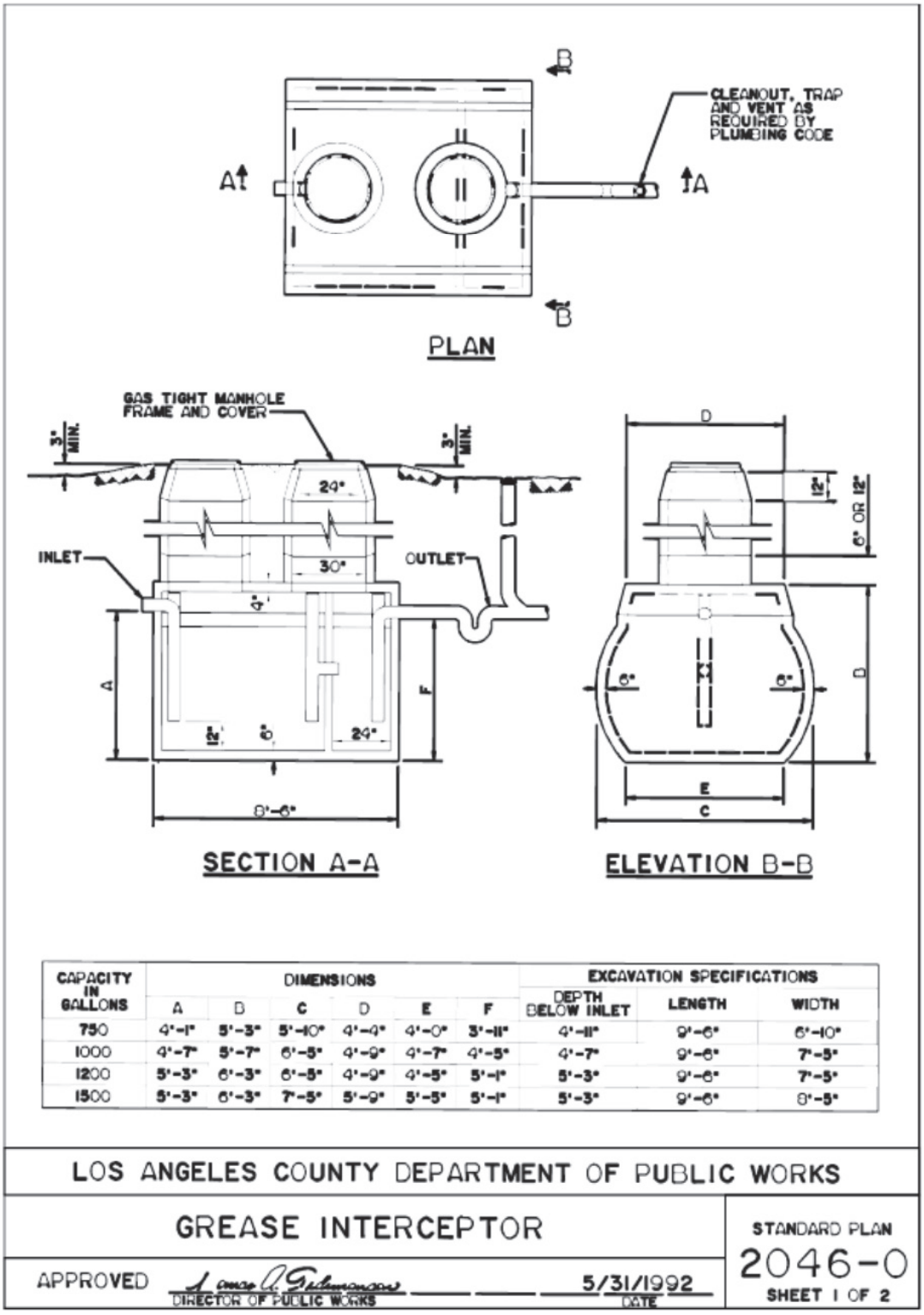
I. Written justification.

II. Sizing calculations as outlined under the Formula for Sizing Restaurant Grease Interceptors.

RECOMMENDED PRETREATMENT FACILITIES FOR RESTAURANT AND FOOD PROCESSING OPERATIONS

Los Angeles County Standard Grease Interceptor, 2046-0.

The grease interceptor needs to have 750 gallon minimum and 1500 gallon maximum capacity (upper limit applies to restaurants only), unless otherwise authorized by EPD.



CAPACITY IN GALLONS	DIMENSIONS						EXCAVATION SPECIFICATIONS		
	A	B	C	D	E	F	DEPTH BELOW INLET	LENGTH	WIDTH
750	4'-1"	5'-3"	5'-10"	4'-0"	4'-0"	3'-11"	4'-11"	9'-6"	6'-10"
1000	4'-7"	5'-7"	6'-5"	4'-9"	4'-7"	4'-5"	4'-7"	9'-6"	7'-5"
1200	5'-3"	6'-3"	6'-5"	4'-9"	4'-5"	5'-1"	5'-3"	9'-6"	7'-5"
1500	5'-3"	6'-3"	7'-5"	5'-9"	5'-5"	5'-1"	5'-3"	9'-6"	8'-5"

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS

GREASE INTERCEPTOR

STANDARD PLAN 2046-0 SHEET 1 OF 2

APPROVED James A. Gilmore DIRECTOR OF PUBLIC WORKS 5/31/1992 DATE

NOTES

1. THE APPROVAL OF THE COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS MUST BE OBTAINED BEFORE INSTALLATION.
2. THE INTERCEPTOR IS TO BE CONSTRUCTED OF TYPE II PORTLAND CEMENT CONCRETE.
3. INTERCEPTOR EXCEEDING 6'-6" IN DEPTH MUST BE CONSTRUCTED OF REINFORCED CONCRETE.
4. IF INSTALLED INSIDE OF BUILDING THE TOP OF INTERCEPTOR MAY BE LEVEL WITH FLOOR PROVIDED THAT WASTES ENTER THROUGH INLET PIPE ONLY.
5. ALL SURFACE WATER MUST DRAIN AWAY FROM INTERCEPTOR TO EXCLUDE RAIN WATER TO PUBLIC SEWERS.
6. ALL PIPING SHALL BE CAST IRON.
7. MANHOLE COVERS SHALL BE OF METAL.
8. STRUCTURE NOT FOR TRAFFIC LOADING.

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS

GREASE INTERCEPTOR

STANDARD PLAN
2046-0
SHEET 2 OF 2

ALTERNATIVE SYSTEMS

EPD has organized a list of Acceptable Pretreatment Facilities for Food Service Establishments and Food Processing Operations which is attached for the applicant's reference. The purpose of this list is to narrow the applicant's search for alternative systems by detailing previously approved devices which meet the County's pretreatment standards. Alternative systems not described on the list may be proposed and will be reviewed according to the LACC, Title 20, Division 2 by a County Engineer for consideration and/or approval.

Item	Manufacturer	Model	Website	Notes
		Automatic Grease Traps/Pretreatment Systems		
1-A	Goslyn	GOSLYN GOS-80	http://www.goslyn.com/	Minimum required: 25 gallons per minute flow rate
2-A	JAY R. SMITH MFG. CO	8165-25	https://www.jrsmith.com/grease-interceptors	Minimum required: 25 gallons per minute flow rate
3-A	MIFAB	MI-G-AD-25	https://www.mifab.com	Minimum required: 25 gallons per minute flow rate
4-A	Thermaco	W-250-IS	https://thermaco.com	Minimum required: 25 gallons per minute flow rate
		Hydromechanical Grease Traps/Pretreatment Systems		
1-H	Canplas	Endura 25 & Endura XT	https://canplas.com/endura/	Minimum Required: 25 gallons per minute flow rate
2-H	Schier	GB1	https://schierproducts.com/	Minimum Required: 25 gallons per minute flow rate
3-H	Trapzilla	TZ-160	https://trapzilla.com/	Minimum Required: 25 gallons per minute flow rate
4-H	Zurn	GT2700	https://www.zurn.com/	Minimum Required: 25 gallons per minute flow rate

Appendix J

2014 Sewer Master Plan Condition Assessment

City of Monterey Park
Water Master Plan Update
CCTV Review Sheet

Date	Tape ID	Street Location	From MH	To MH	Length	Diameter	Pipe Material	Identified Issue	Notes
03/10/05	1A	Barranca Dr.	2	3	341.95	8	VCP	4	Minor crack at Sta. 74, 84, 117. Failed pipe at 93. Major infiltration at failed joints at 117 and at 202. Candidate for spot repairs.
03/10/05	1A	Barranca Dr.	1	2	218.98	8	VCP	5	Joint crack at Sta. 10, 131, 141, 151, 182. Failed joint at 84 and 106 - major infiltration. Failed pipe at 186. Candidate for CIPP.
06/06/05	1	Crest Vista Dr.	11+62.12	8+25	348.34	8	VCP	5	Major crack at joint for length of pipe (10 feet) at Sta 89.06. Pipe offset - Spot repair.
06/06/05	1	Crest Vista Dr.	8+25	5+12.04	323.45	8	VCP		
06/06/05	1	Crest Vista Dr.	5+12.04	2+34.01	286.1	8	VCP	5	Cracked joint at multiple stations. Candidate for CIPP.
06/06/05	1	Crest Vista Dr.	2+34.01	0+00	238.35	8	VCP		
06/06/05	1	Crest Vista Dr.	0+00	5+81.50	255.19	8	VCP	5	Cracked joint at Sta 146. Pipe crack at 228. Failed pipe section at 231. Spot repairs.
06/06/05	1	Crest Vista Dr.	5+81.50	2+88.50	303.96	8	VCP	5	Cracked joint at Sta. 50, 142, 153. Failed pipe at Sta 108 - four pipe sections. Candidate for CIPP.
06/06/05	1	Crest Vista Dr.	2+88.50	00+00	267.94	8	VCP	2, 4	Joint separation at Sta. 126, 146. Cracked joint at 261. Spot repair.
06/06/05	1	Crest Vista Dr.	00+00	2+88.50	10.51	8	VCP	2	Reverse of previous
06/06/05	2	Crest Vista Dr.	00+00	1+22.34	332.04	8	VCP	5,7	Cracked joint and roots at Sta. 5 Failed connection with void behind pipe at Sta 60. Failed main pipe at Sta. 60, 67, 253, 267. Cracked pipe at 86, 143, 165. Failed main pipe with voids at 158 at lateral. CIPP candidate.
06/06/05	2	Crest Vista Dr.	1+22.34	unknown	125.71	8	VCP		No issues
06/06/05	2	Crest Vista Dr.	unknown	20+35	131.52	8	VCP	4	Crack at Sta. 44, 99 - Spot repair candidate
06/06/05	2	Crest Vista Dr.	20+35	17+14.81	329.16	8	VCP	6	Minor offset
06/06/05	2	Crest Vista Dr.	17+14.81	14+68.18	251.92	8	VCP	4	Crack at Sta. 228 - Spot repair candidate
06/06/05	2	Crest Vista Dr.	14+68.18	12+23.77	251.82	8	VCP	6	Minor offset
06/06/05	2	Crest Vista Dr.	12+23.77	8+93.50	336	8	VCP		No issues
06/06/05	2	Crest Vista Dr.	8+93.50	6+16.55	284.88	8	VCP	4	Crack at Sta. 108 - Spot repair candidate
06/06/05	2	Crest Vista Dr.	6+16.55	3+60	262.74	8	VCP		No issues
06/06/05	2	Crest Vista Dr.	3+60	1+100	265.59	8	VCP		Stationing is suspect
06/06/05	3	Crest Vista Dr.	19+52.12	16+02.12	359.47	8	VCP		No issues
06/06/05	3	Crest Vista Dr.	16+02.12	12+75	336.1	8	VCP		No issues
06/06/05	3	Crest Vista Dr.	12+75	11+62.12	115.09	8	VCP		No issues

City of Monterey Park
Water Master Plan Update
CCTV Review Sheet

Date	Tape ID	Street Location	From MH	To MH	Length	Diameter	Pipe Material	Identified Issue	Notes
06/07/05	3	Ridge Crest St.	10+64.17	7+44.33	327.12	8	VCP	2, 5	Cracked joint at Sta. 101. Failed pipe at Sta. 204. Major roots at 208. - Candidate for spot repair.
06/07/05	3	Ridge Crest St.	7+44.33	6+48.62	96.01	8	VCP		No issues
06/07/05	3	Ridge Crest St.	6+48.62	5+05.56	146.21	8	VCP	2	Cracked joint at Sta. 30. Failed pipe and lateral connection at Sta. 75 and 165. Cracked pipe at 230 minor. Candidate for spot repair.
06/07/05	3	Ridge Crest St.	5+05.56	2+59.58	252.04	8	VCP	5	Cracked pipe at 17, major tap root at Sta. 25 and 43. Failed pipe and lateral connection at Sta 118 - Spot repair candidate
06/07/05	3	Ridge Crest St.	2+59.58	0+00	264.9	8	VCP	5	No CCTV found - Spot repair candidate
06/07/05	3	Ridge Crest St.	1+00	1+75	76.42	8	VCP		No issues
06/07/05	3	Ridge Crest St.	7+91.80	10+81.95	297.33	8	VCP	2	Heavy blockage
06/07/05	3	Donner Pl.	0+00	1+01.10	102.75	8	VCP		No issues
06/07/05	4	Ridge Crest St.	7+91.80	5+19.83	276.92	8	VCP	5	Cracked lateral connection at Sta. 140 Failed pipe and lateral connection at 204 - Spot repair candidate.
06/07/05	4	Ridge Crest St.	5+19.83	2+44.83	282.63	8	VCP		No issues
06/07/05	4	Ridge Crest St.	2+44.83	1+42.30	254.17	8	VCP		No issues
06/07/05	4	Ridge Crest St.	1+42.30	0+00	146.11	8	VCP	2	
06/07/05	4	Summit Pl.	0+89.91	0+00	91.22	8	VCP		No issues
06/07/05	4	Ridge Crest St.	10+64.17	13+20.09	262.23	8	VCP	2	
06/07/05	4	Ridge Crest St.	9+00	7+43.02	160.19	8	VCP		No issues
06/07/05	4	Ridge Crest St.	7+43.02	5+25	222.03	8	VCP	4	Cracked pipe at Sta 129 - Spot repair candidate
06/07/05	4	Ridge Crest St.	5+25	3+26.82	202.74	8	VCP		No issues
06/07/05	4	Ridge Crest St.	3+26.82	2+28.94	99.89	8	VCP		No issues
06/07/05	4	Ridge Crest St.	2+28.94	0+00	235.39	8	VCP		No issues
06/08/05	5	Highland Dr.	7+14.47	8+82.21	171.32	8	VCP	2	Heavy blockage roots at Sta 46, 86, 99, and 120.
06/08/05	5	Highland Dr.	7+14.47	3+63.03	368.34	8	VCP	2, 5	Roots at lateral Sta 111, 159. Cracked joint at 205, 209, 328, 350 - lateral connection and pipe failure at 289, 292 - Spot repair recommended.
06/08/05	5	Highland Dr.	3+63.03	0+15.49	361.3	8	VCP	5	Pipe failure at manhole 3+63 for first 10 feet, Sta 17 two segments, 29 (offset), 33 two segments, 54 multiple segments, major failure at 70, 343 - CIPP candidate
06/08/05	5	Highland Dr.	0+15.49	5+58.14	170.6	8	VCP	6	offset joint severe Sta 16

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Date	Tape ID	Street Location	From MH	To MH	Length	Diameter	Pipe Material	Identified Issue	Notes
06/08/05	5	Highland Dr.	5+58.14	3+15.69	251.82	8	VCP	6	Lateral failed at Sta 16 - Spot repair candidate Offset at Sta 161
06/08/05	5	Highland Dr.	3+15.69	0+50	278.35	8	VCP	4	Cracked pipe at Sta 255 - Spot repair candidate
06/08/05	5	Rolling Hills Dr.	5+44.13	2+70.61	5.92	8	VCP	2	Blockage abandoned CCTV(major)
06/08/05	5	Rolling Hills Dr.	2+70.61	5+44.13	127.03	8	VCP	2	Reverse of previous
06/08/05	5	Rolling Hills Dr.	2+70.61	0+50	225.19	8	VCP	4	Cracked joint at Sta. 198 - Spot repair candidate
06/08/05	6	Lunar Dr.	2+86.92	0+00	298.55	8	VCP	6	Offset joint at Sta 281. Cracked joint at Sta 212, 240 - Spot repair candidate
06/08/05	6	Grand Vista Way	4+10.88	3+02.88	113.77	8	VCP	4	Cracked joint at Sta 5 - Spot repair candidate
06/08/05	6	Grand Vista Pl.	2+02	0+50	155.09	8	VCP		No issues
06/08/05	6	Windover	3+97.58	0+83.58	325.9	8	VCP	5	Pipe failure and lateral connection at Sta 12, 155, 299. Cracked joint at 274. Offset joint at 278 - Spot repair candidates.
06/08/05	6	Windover	0+83.58	0+00	83.97	8	VCP	5	Pipe failure at Sta 3, 41, 62. Cracked joint at 47. CIPP candidates.
06/08/05	6	Grand Vista Way	3+02.88	0+00	314.16	8	VCP	5	Pipe failure at Sta 113 (major). Cracked joint Sta 118. Spot repair candidates.
06/09/05	6	West Crest Way	7+23.11	4+23.11	294.98	8	VCP	2	Blockage abandoned CCTV Sta 294. Sta 5 Cracked pipe, heavy roots. Cracked pipe at Sta 10, 48. CIPP candidate.
06/09/05	6	West Crest Way	4+23.11	7+23.11	10.2	8	VCP	2	Reverse of previous
06/09/05	6	West Crest Way	4+23.11	2+51.4	297.33	8	VCP	2, 4	Heavy roots Sta 26 and 38. Cracked joint at Sta. 176, 213, 221, 270, 294. CIPP candidate.
06/09/05	6	West Crest Way	2+51.4	0+00	135.71	8	VCP	5, 7	Missing pipe at Sta 74. Pipe failure at lateral connection Sta 12, 69, 74 (two segments). Pipe crack at Sta 86, 102, 114, 123. - CIPP candidates
06/09/05	7	Dover Way	4+05.71	2+63.5	147.44	8	Lined VCP	2	Roots at Lateral
06/09/05	7	Dover Way	2+63.5	0+00	268.66	8	Lined VCP	2	
06/09/05	7	Crest Haven Way	6+80.87	4+77.74	207.95	8	VCP	5	Pipe failure at Sta 75 two segments, Sta 98, 104 (with lateral) two segments, 155, 179, 186 eight segments, - CIPP candidate
06/09/05	7	Crest Haven Way	4+77.74	2+67.21	214.27	8	VCP	5	Pipe failure at Sta 2 (two segments), 15 (three segments), 28 lateral connection, joint failure at 207 - CIPP candidate.

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Date	Tape ID	Street Location	From MH	To MH	Length	Diameter	Pipe Material	Identified Issue	Notes
06/09/05	7	Crest Haven Way	2+67.21	0+00	219.17	8	VCP	5, 7	Inspection abandoned broken pipe - failed lateral connection at Sta 77. Failed pipe at 161, hole at 164, pipe failure at 170, 192, 209 (four segments). Pipe missing at 218 - CIPP candidates.
06/09/05	7	Crest Haven Way	0+00	2+67.21	52.45	8	VCP	5	Reverse of previous - pipe failure at manhole back for entire reach. CIPP candidate.
06/09/05	7	Briarcliff Way	8+08.66	6+11.66	204.07	8	VCP	4	Pipe crack at joint Sta 17, 40, 63, 78, 81, 113. CIPP candidate.
06/09/05	7	Briarcliff Way	6+11.66	4+52.29	162.74	8	VCP	5	Pipe failure at Sta 30 (three segments), joint crack at lateral Sta 57 (four segments) 125, failure at Sta 84 (three segments), Sta 131 (six segments) - Spot repair candidate/CIPP.
06/09/05	7	Briarcliff Way	4+52.29	1+21	342.53	8	VCP	4	Lateral failed at Sta 103, 334, crack at joint at Sta 262, pipe failure at 295, - CIPP candidate
06/09/05	8	Briarcliff Way	1+21	0+00	122.03	8	VCP	5, 7	Failed pipe at Sta 12 (six segments) pipe missing, failed pipe at lateral connection cracked Sta 54 (eight segments, missing pipe soffit Sta 83 (two segments) - Pipeline replacement candidate.
06/09/05	8	Alpine Terr.	2+27.25	0+00	231.52	8	VCP	5, 7	Cracked pipe at Sta 97, cracked joint at 139, pipe failure at Sta 142, lateral failure at 150 (missing pipe), failed lateral connection 171, pipe failure 172 to Sta 230) - pipe replacement candidate.
06/09/05	8	Chalet Terr.	1+76.84	0+00	179.38	8	VCP	5, 7	Failed lateral connection Sta 14, 48, pipe failure Sta 100 to Sta 118, Sta 134 to Sta 150 - CIPP candidate
06/13/05	8	Rodman Cir.	9+00	9+65	60.61	8	VCP		No issues
06/13/05	8	Rodman Cir.	9+00	5+79.92	331.61	8	VCP		No issues
06/13/05	8	Rodman Cir.	5+79.92	2+77.42	196.52	8	VCP	2	Abandoned inspection no reverse
06/13/05	8	Ridgeside Dr.	13+31.37	10+99.75	239.37	8	VCP		No issues
06/13/05	8	Ridgeside Dr.	10+99.75	9+38.44	165.19	8	VCP		No issues
06/13/05	8	Ridgeside Dr.	9+38.44	6+75	271.31	8	VCP	2, 5, 7	Pipe failure three segments missing pipe Sta 2, cracked joint at 27 - Spot repair candidate.
06/13/05	8	Ridgeside Dr.	6+75	3+46.94	341.3	8	VCP		No issues
06/13/05	9	Ridgeside Dr.	3+46.94	2+45.20	103.26	8	VCP	2	

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Date	Tape ID	Street Location	From MH	To MH	Length	Diameter	Pipe Material	Identified Issue	Notes
06/13/05	9	Ridgeside Dr.	2+45.20	0+00	254.27	8	VCP		No issues
06/13/05	9	Ridgeside Circle	0+99.73	0+00	99.69	8	VCP		No issues
06/13/05	9	Ridgeside Dr.	11+38.10	7+90.21	339.47	8	VCP	2, 4	Cracked pipe at Sta 316 - Spot repair candidate
06/13/05	9	Ridgeside Dr.	7+90.21	4+96.5	307.22	8	VCP	2	
06/13/05	9	Ridgeside Dr.	4+96.5	1+95.71	315.69	8	VCP	2, 4	Cracked pipe at Sta 4 (MH) and 310 - Spot repair candidate
06/13/05	9	Ridgeside Dr.	1+95.71	0+00	202.84	8	VCP	4	Pipe failure at Sta 44, lateral cracked at Sta 47, 142 (one segment) - Spot Repair candidate.
06/13/05	9	Ridgeside Dr.	9+23.74	6+96.11	236.52	8	VCP		No issues
06/13/05	9	Ridgeside Dr.	6+96.11	3+44.66	365.89	8	VCP		No issues
06/13/05	9	Ridgeside Dr.	3+44.66	0+00	251	8	VCP		No issues
06/15/05	10	East Crest Way	5+54.41	4+22.41	134.58	8	VCP	4	Pipe failure at lateral connection Sta 14 - Spot repair candidate
06/15/05	10	East Crest Way	4+22.41	2+38.61	186.72	8	VCP	4	Pipe failure at Sta 2 (two segments) - Spot repair candidate
06/15/05	10	East Crest Way	2+38.61	0+00	243.96	8	VCP		No issues
06/15/05	10	Wandering Dr.	10+47.53	7+50.41	307.73	8	VCP	2, 4	Cracked pipe at Sta 127 - Spot repair candidate
06/15/05	10	Wandering Dr.	7+50.41	3+98.91	363.14	8	VCP	2	Roots at Lateral
06/15/05	10	Wandering Dr.	3+98.91	2+60.57	143.26	8	VCP		No issues
06/15/05	10	Wandering Dr.	2+60.57	1+00.47	162.23	8	VCP	5, 7	Hole in pipe at Sta 108 segment failed, cracked pipe at 145 - Spot repair candidate.
06/15/05	10	Wandering Dr.	10+47.53	12+15.63	174.48	8	VCP		No issues
06/15/05	10	Dell Dr.	12+54.04	9+25	277.33	8	VCP	2	Blockage abandoned CCTV
06/15/05	10	Dell Dr.	9+25	12+54.04	60.51	8	VCP	2	Reverse of previous
06/15/05	10	Dell Dr.	9+25	5+70.94	364.16	8	VCP	2	
06/15/05	10	Dell Dr.	5+70.94	2+69.67	308.45	8	VCP	2, 4	Cracked pipe at Sta 135 - Spot repair candidate
06/15/05	11	Dell Dr.	2+69.67	1+00	172.34	8	VCP	4	Pipe failure at Sta 1, failed lateral connection Sta 62 - Spot repair candidate.
06/15/05	11	Glenview Terr.	6+58.89	3+47.31	320.08	8	VCP		No issues
06/15/05	11	Glenview Terr.	3+47.31	1+15	237.94	8	VCP		No issues
06/15/05	11	Moonbeam Dr.	5+92.97	3+53	145.5	8	VCP	2	
06/15/05	11	Moonbeam Dr.	3+53	1+00	359.36	8	VCP	2, 4	Cracked pipe section at Sta 101 - Spot repair candidate
06/15/05	11	Moonbeam Dr.	3+51.33	1+00	257.53	8	VCP	2, 4	Failed lateral connection Sta 101, cracked joint at 178 - Spot repair candidates
06/16/05	11	Sunrise Dr.	8+00	9+55.53	157.64	8	VCP		No issues

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06/16/05	11	Sunrise Dr.	8+00	5+45.50	258.86	8	VCP	4	Failed pipe segment Sta 86 - Spot repair candidate
06/16/05	11	Sunrise Dr.	5+45.50	2+97.50	258.86	8	VCP	2, 4	Cracked pipe at Sta 240 - Spot repair candidate
06/16/05	11	Sunrise Dr.	2+97.50	0+00	306.41	8	VCP	4	Cracked pipe at Sta 152 - Spot repair candidate
06/16/05	11	Sunrise Dr.	1+41.13	0+00	142.44	8	VCP		No issues
06/16/05	11	Sunrise Dr.	9+40.96	12+04.57	269.78	8	VCP		No issues
06/16/05	12	Sunrise Dr.	9+40.96	7+00.54	245.09	8	VCP	4	Failed pipe at Sta 99, 135 - Spot repair candidates.
06/16/05	12	Sunrise Dr.	7+00.54	3+50	359.67	8	VCP		No issues
06/16/05	12	Sunrise Dr.	3+50	2+51.72	99.48	8	VCP	5	Cracked joint at Sta 15, Pipe failure at Sta 43, 71, 75 (major missing pipe in flowline) two segments, 88 - Spot repair candidate.
06/16/05	12	Sunrise Dr.	2+51.72	1+00	152.44	8	VCP	5	Cracked pipe at Sta 7. Failed pipe at Sta 15 (three segments), 68, 76 (seven segments), 110 (three segments) - CIPP candidate.
06/16/05	12	Sunrise Pl.	2+50	1+00	152.95	8	VCP		No issues
06/16/05	12	Newmark Ave.	13+98.5	11+80	224.17	8	VCP		No issues
06/16/05	12	Newmark Ave.	11+80	9+10	278.86	8	VCP	2	Roots at Lateral
06/16/05	12	Newmark Ave.	9+10	6+40	183.76	8	VCP	2	Blockage abandoned CCTV
06/16/05	12	Newmark Ave.	6+40	9+10	72.04	8	VCP	2	Reverse of previous
06/16/05	12	Newmark Ave.	6+40	unknown	238.66	8	VCP		No issues
06/16/05	12	Newmark Ave.	unknown	4+10	45.61	8	VCP		No issues
06/20/05	13	Newmark Ave.	1+29.5	4+10	240.09	8	VCP		No issues
06/20/05	13	Newmark Ave.	1+29.5	0+01	54.49	8	VCP	7	Protruding lateral abandoned CCTV
06/20/05	13	Newmark Ave.	0+01	1+29.5	77.24	8	VCP	7	Reverse of previous
06/20/05	13	Mabel Ave.	12+25	9+06	90.91	8	VCP	2	Blockage abandoned CCTV
06/20/05	13	Mabel Ave.	9+06	12+25	235.9	8	VCP	2	Reverse of previous
06/20/05	13	Mabel Ave.	9+06	7+03.50	208.66	8	VCP		No issues
06/20/05	13	Mabel Ave.	7+03.50	5+17.60	191.31	8	VCP		No issues
06/20/05	13	Mabel Ave.	5+17.60	2+60	265.7	8	VCP		No issues
06/20/05	13	Mabel Ave.	2+60	0+04.50	256.31	8	VCP		No issues
06/21/05	13	Branham St.	12+28.70	9+23.13	313.65	8	VCP	2	
06/21/05	13	Branham St.	9+23.13	6+46.82	284.88	8	VCP	4	Cracked pipe at Sta 7 - Spot repair candidate
06/21/05	13	Branham St.	6+46.82	3+70	284.06	8	VCP		No issues
06/21/05	13	Branham St.	3+70	2+49.78	120.81	8	VCP	2, 4	Cracked pipe at Sta 10 - Spot repair candidate
06/21/05	14	Branham St.	2+49.78	0+38.3	216.82	8	VCP		No issues
06/21/05	14	Williams St.	3+70.49	2+12.09	162.13	8	VCP		No issues

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06/21/05	14	Williams St.	2+12.09	0+00	217.74	8	VCP		No issues
06/21/05	14	Williams St.	3+03.10	2+00.84	103.77	8	VCP		No issues
06/21/05	14	Williams St.	2+00.84	0+00	204.78	8	VCP		No issues
06/21/05	14	Whitney Pl.	9+78.81	7+29.59	257.02	8	VCP	2, 5	Cracked lateral connection at Sta. 58, 67, 138, 151 cracked joint at 135, 144, cracked pipe and lateral connection at Sta 224, failed pipe at 248 (two segments) - CIPP candidate.
06/21/05	14	Tedford Way	5+25.48	2+63.95	263.66	8	VCP	2	Roots at Lateral
06/21/05	14	Tedford Way	2+63.95	0+00	273.04	8	VCP		No issues
06/22/05	14	Electric Ave.	7+29.59	5+81.05	139.17	8	VCP	4	Cracked pipe joint at Sta 14, 90, 131, 134 - CIPP candidate
06/22/05	14	Electric Ave.	5+81.05	4+71.54	112.95	8	VCP	2, 4	Roots at Lateral, failed pipe at Sta 108. Spot repair candidate.
06/22/05	15	Electric Ave.	4+71.54	2+40.58	234.98	8	VCP	2	Roots at Lateral
06/22/05	15	Electric Ave.	2+40.58	unknown	109.48	8	VCP		No issues
06/22/05	15	Electric Ave.	unknown	0+00	1.22	8	VCP	7	Protruding lateral abandoned CCTV
06/22/05	15	Electric Ave.	8+35	10+75.50	248.05	8	VCP		No issues
06/22/05	15	Electric Ave.	0+00	unknown	167.03	8	VCP		Reverse of previous
06/22/05	15	Electric Ave.	8+35	5+47	296.41	8	VCP		No issues
06/22/05	15	Electric Ave.	5+47	3+99	151.62	8	VCP		No issues
06/22/05	15	Electric Ave.	3+99	2+62	141.52	8	VCP		No issues
06/22/05	15	Electric Ave.	2+62	1+36	128.77	8	VCP		No issues
06/22/05	15	Electric Ave.	1+36	0+00	134.89	8	VCP		No issues
06/22/05	15	Marguerita Ave.	7+19.5	5+28	173.56	8	VCP		No issues
06/22/05	15	Marguerita Ave.	5+28	1+80	123.36	8	VCP	1	Rock in the pipe
06/22/05	15	Marguerita Ave.	1+80	5+28	6.73	8	VCP		Reverse of previous
06/23/05	16	Marguerita Ave.	1+80	0+00	3.37	8	VCP	1	Blockage abandoned CCTV
06/23/05	16	Marguerita Ave.	0+00	1+80	82.75	8	VCP	1	Reverse of previous unable to finish due to rock in pipe.
06/23/05	16	Newmark Ave.	3+00	0+00	305.9	8	VCP	4	Failed pipe segment at Sta 0 - Spot repair candidate.
06/23/05	16	Marguerita Ave.	8+56	7+19.5	163.25	8	VCP	2	Roots at Lateral
06/23/05	16	Newlee Ave.	4+00	1+74.60	230.9	8	VCP		No issues
06/23/05	16	Newlee Ave.	1+74.60	0+00	178.15	8	VCP		No issues
06/23/05	16	Knoll Ave.	2+86	1+70	119.79	8	VCP	2	Roots at Lateral
06/23/05	16	Knoll Ave.	1+70	0+00	172.74	8	VCP		No issues
06/23/05	16	Mabel Ave.	9+75	7+03.50	0	8	VCP	2	Blockage abandoned CCTV

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06/23/05	16	Mabel Ave.	7+03.50	9+75	129.28	8	VCP	2	Reverse of previous
06/27/05	16	Mabel Ave.	7+03.50	4+32	281.92	8	VCP		No issues
06/27/05	16	Mabel Ave.	4+32	2+12	225.19	8	VCP		No issues
06/27/05	16	Mabel Ave.	2+12	0+00	214.27	8	VCP	6	offset joint severe - Sta 84, 88 Spot repair candidate.
06/27/05	17	Newmark Ave.	5+70	4+60	112.14	8	VCP		No issues
06/27/05	17	Newmark Ave.	4+60	0+45	28.26	8	VCP	2	Blockage abandoned CCTV
06/27/05	17	Newmark Ave.	0+45	4+60	292.43	8	VCP	2	Reverse of previous
06/27/05	17	Newmark Ave.	0+45	0+00	44.28	8	VCP		No issues
06/27/05	17	Newmark Ave.	14+10	12+73	142.85	8	VCP		No issues
06/27/05	17	Kingsford St.	12+73	11+03.5	171.62	8	VCP		No issues
06/27/05	17	Kingsford St.	11+03.5	8+00	312.73	8	VCP	2	Roots at Lateral
06/27/05	17	Kingsford St.	8+00	6+01	204.88	8	VCP		No issues
06/27/05	17	Kingsford St.	6+01	2+86	325.18	8	VCP	2	Roots at Lateral
06/27/05	17	Kingsford St.	2+86	0+00	294.98	8	VCP	2	Roots at Lateral
06/27/05	17	Kingsford St.	9+24	7+00	118.56	8	VCP	2	Blockage abandoned CCTV
06/27/05	17	Kingsford St.	7+00	9+24	107.85	8	VCP	2, 6	Reverse of previous, offset at Sta 83 - Spot repair candidate.
06/27/05	18	Kingsford St.	7+00	3+50	243.86	8	VCP	2	Blockage abandoned CCTV
06/28/05	18	Kingsford St.	3+50	7+00	92.34	8	VCP	2	Reverse of previous
06/28/05	18	Kingsford St.	3+50	0+00	356.1	8	VCP	2	Roots at Lateral
06/28/05	18	Jade Tree St.	109+03.7	111+51.6	253.96	8	VCP		No issues
06/28/05	18	Jade Tree St.	109+03.7	106+55.3	253.25	8	VCP		No issues
06/28/05	18	Jade Tree St.	106+55.3	104+25.2	236.11	8	VCP		No issues
06/28/05	18	Jade Tree St.	104+25.2	101+00	331.61	8	VCP		No issues
06/28/05	18	Montichico Ave.	101+00	100+05	94.48	8	VCP	1	
06/28/05	18	Montechico Dr.	0+00	2+70	5.41	8	VCP	7	Protruding lateral abandoned CCTV
06/28/05	18	De La Fuente	12+00	9+00	17.86	8	VCP	2, 7	Blockage abandoned CCTV
06/28/05	18	De La Fuente	9+00	12+00	250.9	8	VCP	2	Reverse of previous
06/28/05	18	De La Fuente	9+00	6+00	309.06	8	VCP	2, 4	Cracked pipe at Sta 93 - Spot repair candidate
06/28/05	19	De La Fuente	11+43	10+12	131	8	VCP	2	
06/28/05	19	De La Fuente	10+12	7+26	290	8	VCP	2	
06/28/05	19	De La Fuente	5+21	3+22	200.19	8	VCP		No issues
06/28/05	19	De La Fuente	3+22	1+21	200.69	8	VCP		No issues
06/28/05	19	De La Fuente	1+21	0+00	120.13	8	VCP		No issues
06/28/05	20	De La Fuente	6+00	3+00	309.98	8	VCP	1	grease at lateral
06/29/05	20	De La Fuente	0+00	3+00	308.14	8	VCP		No issues

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06/29/05	20	Cadiz St.	2+01.22	0+00	204.37	8	VCP		No issues
06/29/05	20	De La Fuente	10+75	13+55	288.25	8	Concrete Pipe	5	CIPP candidate
06/29/05	20	De La Fuente	10+75	7+82.35	301.82	8	Concrete Pipe	5, 7	Holes in pipe - CIPP Candidate
06/29/05	20	De La Fuente	7+82.35	3+50	447.32	8	Concrete Pipe	5	CIPP candidate
06/29/05	21	De La Fuente	0-02	3+50	101.12	8	Concrete Pipe	7	Protruding lateral abandoned CCTV - CIPP candidate.
06/29/05	21	De La Fuente	3+50	0-02	257.43	8	Concrete Pipe	5	Reverse of previous. CIPP candidate.
06/30/05	21	Alley	6+73.55	4+50	228.25	8	Concrete Pipe	5, 7	CIPP candidate
06/30/05	21	Alley	4+50	0+00	465.17	8	Concrete Pipe	1	CIPP candidate
06/30/05	21	Alley	5+15	unknown	304.37	8	Concrete Pipe	1	CIPP candidate
06/30/05	21	Alley	unknown	unknown	310.29	8	Concrete Pipe	1, 5	CIPP candidate
06/30/05	22	Alley	2+11	3+78	330.28	8	VCP		No issues
06/30/05	22	Alley	2+11	3+78	330.28	8	VCP	2	Roots at Lateral
06/30/05	22	El Portal	1+23.80	0+00	132.85	8	VCP	2	
06/30/05	22	Harding Ave.	1+60	0+00	163.56	8	VCP		No issues
06/30/05	22	Hermosa Vista	4+72.28	6+91.44	227.03	8	VCP	4	Cracked lateral connection at Sta 219- Spot repair candidate.
06/30/05	22	Hermosa Vista	4+72.28	3+49.62	126.83	8	VCP	4	Cracked pipe joint at Sta 90 - Spot repair candidate
06/30/05	22	Hermosa Vista	3+49.62	1+00	259.27	8	VCP	4	Cracked pipe section at Sta 64 - Spot repair candidate
06/30/05	22	Hermosa Vista	8+33.29	4+73.28	372.32	8	VCP		No issues
07/01/05	22	Hermosa Vista	4+73.28	1+23.28	364.06	8	VCP	2, 5	Roots at several joints severe, failed pipe at Sta. 340. Spot repair candidate.
07/01/05	22	Hermosa Vista	1+23.28	0+00	126.73	8	VCP	2	
07/01/05	22	Cadiz St.	141+00	140+11.0	90.2	8	VCP		No issues
07/01/05	22	Nachi Way	132+46.4	130+00	254.17	8	VCP		No issues
07/01/05	22	Crest Vista Dr.	122+36.2	124+46.3	216.01	8	VCP		No issues
			Total Length (ft)		**48525.66**		**9.19**	**Miles**	
					2006				
05/08/06	1	Ridgecrest Wy	1540	1580	119.61	8	VCP	2	
05/08/06	1	Ridge Crest Way	1540	970	214.29	8	VCP	2, 4	Failed pipe at Sta 0 (MH) - Spot repair candidate
05/08/06	1	Ridge Crest St.	940	970	340.82	8	VCP	1, 5	Failed lateral connection Sta 2, 101, failed pipe at Sta. 111 (four segments holes visible), - Spot repair candidate.
05/08/06	1	Ridge Crest St.	970	979	137.91	8	VCP		No issues
05/08/06	1	Ridge Crest St.	979	1001	174.43	8	VCP		No issues

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05/08/06	1	Ridge Crest St.	1024	1001	356.17	8	VCP		No issues
05/08/06	1	Ridge Crest St.	1028	1037	228.74	8	VCP		No issues
05/08/06	1	Ridge Crest St.	1037	1071	348.24	8	VCP		No issues
05/08/06	1	Ridge Crest St.	1071	1087	326.78	8	VCP		No issues
05/08/06	1	Ridge Crest St.	1087	1137	206.46	8	VCP	1,2	Blockage abandoned CCTV
05/08/06	1	Ridge Crest St.	1137	1087	60.31	8	VCP	2	Reverse of previous
05/08/06	1	Ridge Crest St.	1137	1175	167.61	8	VCP	2, 4	Cracked pipe joint at Sta 110 - Spot repair candidate
05/08/06	1	Ridge Crest St.	1175	1225	359.94	8	VCP	2, 4	Failed pipe section at Sta 233 - Spot repair candidate
05/08/06	1	Ridge Crest St.	1225	1293	72.21	8	VCP	2	Blockage abandoned CCTV
05/08/06	1	Ridge Crest St.	1293	1225	230.47	8	VCP	2, 4	Reverse of previous - cracked pipe joint at Sta 130 - Spot repair candidate
05/08/06	1	Ridge Crest St.	1293	1345	335.02	8	VCP		No issues
05/08/06	1	Ridge Crest St.	1345	1445	313.05	8	VCP	4	Cracked pipe joints at Sta 36, 274 - Spot repair candidate
05/09/06	2	Ridgecrest St.	1445	1501	358.18	8	VCP	4	Failed pipe at Sta 15 - Spot repair candidate
05/09/06	2	Ridge Crest St.	1501	1541	264.29	8	VCP		No issues
05/09/06	2	Ridge Crest St.	1541	1571	139.41	8	VCP	1, 4	Blockage abandoned CCTV no reverse - Cracks throughout reach - CIPP candidate
05/09/06	2	Hillside St.	1001	1128	348.59	8	VCP	1, 5	Cracked lateral connection at Sta. 149, failed lateral connection at Sta. 208, 226, cracked pipe joint at 216, failed pipe at Sta 226 (five segments) - Spot repair candidate.
05/09/06	2	Hillside St.	1128	1200	290.54	8	VCP	4	Cracked pipe joints at Sta 79, 96, 285 and throughout - CIPP candidate
05/09/06	2	Hillside St.	1200	1265	376.85	8	VCP	1, 2, 4	Cracked pipe joints at Sta 43, 203, 229, throughout - CIPP candidate
05/09/06	2	Hillside St.	1265	1295	204.12	8	VCP	4	Cracks throughout reach - CIPP candidate
05/09/06	2	Hillside St.	1295	1323	197.97	8	VCP	4	Cracks throughout reach - CIPP candidate
05/09/06	2	Hillside St.	1323	1389	265.81	8	VCP	4	Cracks throughout reach - CIPP candidate
05/09/06	2	Hillside St.	1389	1467	238.04	8	VCP	4	Cracks throughout reach - CIPP candidate
05/09/06	2	Hillside St.	1467	1800	230.67	8	VCP		No issues
05/09/06	2	Hillside St.	1800	1800A	297.1	8	VCP	2, 4	Cracks throughout reach - CIPP candidate
05/10/06	3	Sunnyhill Drive	1481	1581	272.27	8	VCP	2	
05/10/06	3	Sunnyhill Drive	1581	1641	307.15	8	VCP	2	

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05/10/06	3	Sunnyhill Drive	1641	1323	179.51	8	VCP	5, 6, 7	Cracked pipe joint at Sta 26, failed pipe at Sta 67 (five segments holes visible), 115 (two segments), 140 (two segments), 156, 174, failed lateral connection at Sta 73, offset at 163 - CIPP candidate.
05/10/06	3	Longhill Dr.	1414	1481	245.42	8	VCP	5	Cracked pipe at Sta 24, failed pipe and lateral connection Sta 41 (three segments), 61 (two segments), Spot repair candidate.
05/10/06	3	Longhill Dr.	1481	1556	256.4	8	VCP	2	
05/10/06	3	Longhill Dr.	1556	1622	275.62	8	VCP	1	
05/10/06	3	Longhill Dr.	1622	1265	178.49	8	VCP	5	Failed lateral connection at Sta. 42 (two segments), failed pipe segment at 54 (three segments holes visible), 72 (two segments), 90 (six segments), cracked joint at Sta. 80, 87 - CIPP candidate.
05/10/06	3	North Ridge Pl.	1100	1480	309.9	8	VCP	5	Cracked pipe at Sta 1, failed lateral connection and pipe joint at Sta. 7 (two segments), 45 - Spot repair candidate.
05/10/06	3	Star Ridge Dr.	1418	1480	194.56	8	VCP	4	Cracked pipe at Sta 4 (MH) - Spot repair candidate
05/10/06	3	Star Ridge Dr.	1480	1580	234.43	8	VCP	4	Cracks throughout reach - CIPP candidate
05/10/06	3	Star Ridge Dr.	1580	1200	155.81	8	VCP		No issues
05/10/06	3	Sunnyslope Pl.	1379	1380	175.75	8	VCP		No issues
05/10/06	3	Sunnyslope Dr.	1366	1380	141.47	8	VCP		No issues
05/10/06	3	Sunnyslope Dr.	1380	1391	101.6	8	VCP	2	Blockage abandoned CCTV
05/10/06	3	Sunnyslope Dr.	1391	1380	61.33	8	VCP	2	Reverse of previous
05/11/06	4	Stone Ct.	1320	2267	252.54	8	VCP	2	
05/11/06	4	Stone Gate St.	1363	1460	316.71	8	VCP	4	Cracked pipe at Sta 228 - Spot repair candidate
05/11/06	4	Stone Gate St.	1460	2200	282.44	8	VCP	4	Cracks throughout reach - CIPP candidate
05/11/06	4	Stonewell St.	2267	1433	385.57	8	VCP	2, 4	Cracks throughout reach - CIPP candidate
05/11/06	4	Stonewell St.	1433	2280	390.75	8	VCP	2, 5	Failed lateral connection at Sta. 6, cracked pipe joint at 67, 160, failed pipe segment at 84 (three segments holes visible) - Spot repair candidate.
05/11/06	4	Longhill Dr.	1845	1801	178.49	8	VCP	1	

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Date	Tape ID	Street Location	From MH	To MH	Length	Diameter	Pipe Material	Identified Issue	Notes
05/11/06	4	Longhill Dr.	1801	1750	357.8	8	VCP	1, 5, 7	Cracked pipe joint at Sta. 120, failed pipe at 148 (two segments), failed pipe and lateral connection at Sta. 167 (six segments), 186 (seven segments holes visible), 272 (three segments) - CIPP candidate
05/11/06	4	Longhill Dr.	1750	1265	308.07	8	VCP	4	Cracks throughout reach - CIPP candidate
05/11/06	4	Longhill Dr.	1845	1175	358.21	8	VCP	5, 7	Failed pipe at Sta. 82, failed pipe and lateral connection Sta. 165 - Spot repair candidate.
05/11/06	4	Longhill Dr.	1175	2047	283.76	8	VCP	2	
05/11/06	4	Longhill Dr.	2047	1189	159.07	8	VCP	2	Blockage abandoned CCTV
05/11/06	4	Longhill Dr.	1189	2047	70.79	8	VCP	2	Reverse of previous
05/11/06	4	Pebbledon St.	1189	1245	261.89	8	VCP	4	Cracks throughout reach - CIPP candidate
05/11/06	4	Pebbledon St.	1245	1323	356.48	8	VCP	5	Cracked pipe joint at Sta. 4, failed pipe at 132 (two segments), 156 (two segments), 172, 178 (two segments), 187 (two segments), 225 (two segments), 320, failed pipe and lateral connection 198 (two segments), CIPP candidate.
05/12/06	5	Bluffhill Dr.	1601	1679	258.03	8	VCP	4	Cracks throughout reach - CIPP candidate
05/12/06	5	Bluffhill Dr.	1679	1750	217.55	8	VCP	4	Cracks throughout reach - CIPP candidate
05/12/06	5	Long Hill Way	1190	1175	123.27	8	VCP	2	
05/12/06	5	Pebbledon St.	1323	1433	381.3	8	VCP	5	Cracked pipe joint at Sta 1, 140, 106 (two segments), 119 (two segments), 152, cracked pipe and lateral connection Sta 173, lateral blocked/failed cap Sta 284 - Spot repair candidate.
05/12/06	5	Pebbledon St.	1433	2140	383.43	8	VCP	4	Cracks throughout reach - CIPP candidate
05/12/06	5	Pebble Ct.	2001	2061	247.04	8	VCP	1, 4	Cracks throughout reach - CIPP candidate
05/12/06	5	Pebble Ct.	2061	1323	255.18	8	VCP	1, 2, 4	Cracks throughout reach - CIPP candidate
05/12/06	5	Pebble Hurst St.	1340	1460	345.5	8	VCP	4	Cracked pipe at Sta 191 - Spot repair candidate
05/12/06	5	Pebble Hurst St.	1460	1990	308.07	8	VCP	2, 5	Failed lateral connection at Sta. 7 (holes visible), failed pipe and lateral connection at 9 (holes visible), failed pipe at 57 (three segments), 233 (two segments), 254 (three segments) - CIPP candidate.
05/12/06	6	Solar Dr.	1411	1461	353.8	8	VCP	2, 4	Cracked pipe at Sta 155 - Spot repair candidate
05/12/06	6	Solar Dr.	1461	1501	220.4	8	VCP	2, 4	Cracked pipe at Sta 15 - Spot repair candidate

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05/12/06	6	Solar Dr.	1501	intersection	352.2	8	VCP	2	
05/12/06	6	Valley Vista Dr.	1580	1490	257	8	VCP	2	
05/12/06	6	Valley Vista Dr.	1580	intersection	304.4	8	VCP	2, 6	Offset joint at Sta 275 - Spot repair candidate
05/12/06	6	Rolling Hill Dr.	1501	1591	332.7	8	VCP	2, 4	Cracked pipe at Sta 148 - Spot repair candidate
05/12/06	6	Rolling Hill Dr.	1591	intersection	279.7	8	VCP	4	Cracked pipe at Sta 85, 226 - Spot repair candidate
05/12/06	6	Lunar Dr.	1531	1561	98.4	8	VCP	2	
05/12/06	6	Lunar Dr.	1561	1531	51.2	8	VCP	2	
05/12/06	6	Lunar Dr.	1561	intersection	352.2	8	VCP	4	Cracked pipe at Sta 183, 262 - Spot repair candidate
05/12/06	7	Sunnyslope Dr.	1391	1440	226.8	8	VCP	2	
05/12/06	7	Sunnyslope Dr.	1440	1500	265.86	8	VCP		No issues
05/12/06	7	Sunnyslope Dr.	1500	1590	359.33	8	VCP		No issues
05/12/06	8	Wandering Dr.	1601	intersection	145.8	8	VCP	2	
05/12/06	8	Wandering Dr.	intersection	1601	88.2	8	VCP	2	Roots at Lateral
05/12/06	8	Shady Crest Dr.	1621	1651	160.1	8	VCP	2	Roots at Lateral
05/12/06	8	Shady Crest Dr.	1651	intersection	242.1	8	VCP	2	Roots at Lateral
05/15/06	9	Brightwood St.	1880	1920	248.24	8	VCP	5	Cracked pipe and lateral connection at Sta. 26, 156 (two segments), - Spot repair candidate.
05/15/06	9	Brightwood St.	1920	1990	247.84	8	VCP	5	Cracked pipe and lateral connection at Sta. 19, 101, cracked pipe joint at 56, 77 (two segments), 156, 183 - Spot repair candidate.
05/15/06	9	Brightwood St.	1990	2080	248.04	8	VCP	5	Cracked pipe joint at Sta 18 (two segments), 28, 63, cracked pipe and lateral connection at 91 (seven segments), 146, 148, 217 (three segements) - CIPP candidate.
05/15/06	9	Brightwood St.	2080	2140	247.43	8	VCP	4	Cracked pipe joints at Sta 148, throughout - CIPP candidate
05/15/06	9	Brightwood St.	2140	2200	248.24	8	VCP	4	Cracked pipe joint at Sta 18, throughout - CIPP candidate
05/15/06	9	Brightwood St.	2200	2280	249.15	8	VCP	4	Cracked pipe joint at Sta 42, throughout - CIPP candidate
05/15/06	9	Brightwood St.	2280	1501	251.07	8	VCP	4	Cracked pipe joint at Sta 46, throughout - CIPP candidate
05/15/06	9	Brightwood St.	1880	1800	376.15	8	VCP		No issues
05/15/06	9	Brightwood St.	1590	1690	364.64	8	VCP	4	Cracked pipe joint at Sta 298, throughout - CIPP candidate

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05/15/06	10	College View Dr.	1690	1600	325.39	10	VCP		No issues
05/15/06	10	College View Dr.	1600	1501	339.16	10	VCP	4	Cracked pipe throughout - CIPP candidate
05/15/06	10	College View Dr.	1501	1441	244.78	10	VCP	4	Cracked pipe segment at Sta 8 and 12 - Spot repair candidate
05/15/06	10	College View Dr.	1401	1291	342.83	10	VCP		No issues
05/15/06	10	College View Dr.	1291	1174	337.73	10	VCP	5, 7	Failed pipe and lateral connection at Sta. 5, 290, cracked pipe joint at 206, 247, 317, failed pipe at 325, hole in pipe at Sta. 222 - Spot repair candidate.
05/15/06	10	College View Dr.	1129	1080	274.37	10	VCP		No issues
05/15/06	10	College View Dr.	1080	1020	336.71	10	VCP	5	Failed pipe at Sta. 185, 204, cracked joint at 268 - Spot repair candidate
05/15/06	11	College View Dr.	1020	1000	134.38	10	VCP	4	Cracked pipe throughout - CIPP candidate
05/15/06	11	College View Dr.	1895	1801	341.3	10	VCP		No issues
05/15/06	11	College View Dr.	1895	1983	347.83	10	VCP	4	Cracked pipe throughout - CIPP candidate
05/15/06	11	College View Dr.	1983	2081	346.41	10	VCP	4	Cracked pipe throughout - CIPP candidate
05/15/06	12	Brightwood St.	1690	1800	362.72	8	VCP	4, 7	Cracked pipe at Sta 227, throughout - CIPP candidate
05/15/06	12	Brightwood St.	1590	1520	63.5	8	VCP	1, 2	Blockage abandoned CCTV
05/15/06	12	Brightwood St.	1520	1590	171.52	8	VCP	1,2	Reverse of previous
05/15/06	12	Brightwood St.	1520	1480	248.24	8	VCP		No issues
05/16/06	13	Brightwood St.	1480	1420	247.03	8	VCP	5	Failed pipe at Sta. 7 (five segments) - Spot repair candidate.
05/16/06	13	Brightwood St.	1420	1360	248.44	8	VCP	2, 4	Cracked pipe at Sta 47, throughout - CIPP candidate
05/16/06	13	Brightwood St.	1360	1300	252.98	8	VCP	4	Cracked pipe joint at Sta 9 - Spot repair candidate
05/16/06	13	Brightwood St.	1300	1244	232.09	8	VCP	4	Cracked pipe throughout - CIPP candidate
05/16/06	13	Brightwood St.	1244	1190	259.14	8	VCP	5, 7	Failed pipe joint at 232 (two segments) - Spot repair candidate.
05/16/06	13	Brightwood St.	1110	1190	328.8	8	VCP	1	
05/16/06	13	Brightwood St.	1081	1021	200.19	8	VCP	1	
05/16/06	13	Brightwood St.	1021	1800	352.42	8	VCP	4	Cracked pipe at Sta 64, 66, 241, throughout - CIPP candidate
05/16/06	14	Lightview St.	1300	1380	270.55	8	VCP	5	Cracked lateral connection at Sta. 8, pipe joint cracked at Sta. 144 (two segments), 175 (three segments), - Spot repair candidate.

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05/16/06	14	Lightview St.	1380	1423	221.39	8	VCP	4	Cracked pipe at Sta 17, throughout - CIPP candidate
05/16/06	14	Lightview St.	1423	1467	161.52	8	VCP	4	Cracked pipe at Sta 16, throughout - CIPP candidate
05/17/06	15	Rock View St.	1305	1323	134.27	8	VCP	5	Cracked lateral connection and pipe joint at Sta. 69, cracked pipe at 72, 97 - Spot repair candidate
05/17/06	15	Rock View St.	1323	1437	372.51	8	VCP	2, 5	Cracked pipe at Sta. 5, cracked pipe joint at 11, 14, 35, 110 (four segments), cracked pipe at 39, (two segments), cracked pipe at 57 (two segments), 156 (five segments), 180 (five segments), 235 (three segments), 269 (two segments), cracked lateral and pipe at 64, 78 (two segments), 145 (two segments), 228 (two segments), 294 (two segments) - CIPP candidate
05/17/06	15	Rock View St.	1437	1920	371.4	8	VCP	4	Cracked pipe and lateral connection at Sta. 77, 150, 304, cracked pipe at 249 (two segments), 318 (three segments), 340 (three segments) - CIPP candidate
05/17/06	15	Rock Haven St.	1320	1433	368.37	8	VCP	2, 5	Cracked pipe joint at Sta 28 (four segments), 96, 156, cracked pipe and lateral connection 69, 110 (two segments), 199 (two segments) - CIPP candidate
05/17/06	16	Rock Haven St.	1433	1880	362.21	8	VCP	2, 5	Roots at Lateral, cracked pipe at Sta 4 (two segments), 195, 240, 260 (two segments), cracked pipe and lateral connection 53, 82, 212 - CIPP candidate
05/17/06	16	S.Bleakwood Ave	2001	2025	276.71	8	VCP	1, 4	Cracked pipe at Sta 271 - Spot repair candidate
05/17/06	16	S.Bleakwood Ave	2025	2049	274.29	8	VCP		No issues
05/17/06	16	S.Bleakwood Ave	2049	2069	329.2	8	VCP	2, 4	Crack at Sta 12, throughout - CIPP candidate
05/17/06	16	S.Bleakwood Ave	2069	2093	328.7	8	VCP	2	Roots at Lateral
05/17/06	16	S.Bleakwood Ave	2093	2313	71.88	8	VCP	1	Blockage abandoned CCTV
05/17/06	16	S.Bleakwood Ave	2313	2093	57.04	8	VCP		Reverse of previous
05/18/06	17	S. Bleakwood Ave.	2313	2325	310.12	8	VCP		No issues
05/18/06	17	S.Bleakwood Ave	2357	2325	321.53	8	VCP	1, 4	Cracked pipe at Sta 82 - Spot repair candidate
05/18/06	17	S.Bleakwood Ave	2361	2331	264.59	8	VCP		No issues

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05/18/06	17	S.Bleakwood Ave	2331	2392	269.64	8	VCP		No issues
05/18/06	17	S.Woods Ave.	2358	1929	401.28	8	VCP	2	Buried manhole
05/18/06	17	S.Woods Ave.	2365	2385	265.7	8	VCP		No issues
05/18/06	17	S.Woods Ave.	2385	2399	273.48	8	VCP		No issues
05/18/06	18	S. Woods Ave.	2002	2026	302.35	8	VCP	5	Cracked pipe and lateral connection at Sta 4, 7, 59, 108, 255, 258, 282 - CIPP Candidate
05/18/06	18	S.Woods Ave.	2026	2050	302.35	8	VCP	1, 5	Cracked pipe joint at Sta. 66, 138, cracked pipe and lateral connection at 160 - Monitor cracks, spot repair candidate.
05/18/06	18	S.Woods Ave.	2050	2074	302.25	8	VCP	2, 4	Cracked pipe at Sta 14, 111 and throughout - CIPP candidate
05/19/06	19	S. Woods Ave.	2074	2094	300.33	8	VCP		No issues
05/19/06	19	S.Vancouver Ave.	2001	2021	248.44	8	VCP	1, 2, 4	Cracked pipe at Sta 141 - CIPP candidate due to roots
05/19/06	19	S.Vancouver Ave.	2021	2041	248.14	8	VCP	2	
05/19/06	19	S.Vancouver Ave.	2041	2069	357.97	8	VCP	4	Cracked pipe at Sta 274 and 328 - Spot repair candidate
05/19/06	19	S.Vancouver Ave.	2069	2093	355.95	8	VCP		No issues
05/19/06	19	S.Vancouver Ave.	2312	2323	136.79	8	VCP	2	
05/19/06	20	S. Vancouver Ave.	2323	2327	85.61	8	VCP	2	
05/19/06	20	S.Vancouver Ave.	2362	2338	300.53	8	VCP	2	Roots at Lateral
05/19/06	20	S.Vancouver Ave.	2338	2327	164.65	8	VCP	4	Cracked pipe at Sta 85 - Spot repair candidate
05/19/06	20	S.Vancouver Ave.	2366	2382	172.73	8	VCP	1	Substantial grease
05/19/06	20	S.Vancouver Ave.	2382	2390	140.32	8	VCP		No issues
05/19/06	20	S.Vancouver Ave.	2390	2398	122.15	8	VCP	2	Blockage abandoned CCTV
05/22/06	21	S. Roscommon Ave.	2355	2374	266.21	8	VCP		No issues
05/22/06	21	S.Roscommon Ave.	2374	2390	272.06	8	VCP		No issues
05/22/06	21	S.Roscommon Ave.	2350	2334	247.13	8	VCP		No issues
05/22/06	21	S.Roscommon Ave.	2311	2334	323.65	8	VCP		No issues
05/22/06	21	S.Westcott Ave.	2309	2329	266.21	8	VCP	2, 4	Cracked pipe at Sta 138 - Spot repair candidate
05/22/06	21	Westcott Ave.	2329	2337	168.79	8	VCP	4	Cracked pipe at Sta 57 - Spot repair candidate
05/22/06	21	Westcott Ave.	2388	2356	355.75	8	VCP		No issues
05/22/06	21	Westcott Ave.	2356	2340	162.53	8	VCP		No issues
05/22/06	21	Westcott Ave.	2340	2337	123.97	8	VCP	4	Cracked pipe at Sta 23 - Spot repair candidate
05/22/06	21	Dorner Dr.	2327	1929	275.5	8	VCP	2, 4	Cracked pipe throughout - CIPP candidate
05/23/06	22	Dorner Dr.	1929	2328	271.56	8	VCP	2	
05/23/06	22	Dorner Dr.	2328	2334	274.59	8	VCP	2	

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Date	Tape ID	Street Location	From MH	To MH	Length	Diameter	Pipe Material	Identified Issue	Notes
05/23/06	22	Dorner Dr.	2334	2337	253.89	8	VCP	2, 4	Cracked pipe at Sta 206 - Spot repair candidate
05/23/06	22	Dorner Dr.	2337	1530	201.5	8	VCP		No issues
05/23/06	22	Dorner Dr.	1530	1480	325.27	10	VCP	4	Cracked pipe at Sta. 274 - spot repair candidate
05/23/06	22	Sherbrook St.	2407	2435	321.23	8	VCP		No issues
05/23/06	22	Sherbrook St.	2435	2441	81.27	8	VCP		No issues
05/23/06	22	Sherbrook St.	2441	2442	37.45	8	VCP		No issues
05/23/06	22	Sherbrook St.	2442	2448	159.3	8	VCP		No issues
05/23/06	22	Gladmar St.	2429	2414	152.13	8	VCP		No issues
05/23/06	22	Gladmar St.	2414	2405	172.83	8	VCP		No issues
05/23/06	22	Gladmar St.	2405	2389	184.34	8	VCP		No issues
05/23/06	22	Gladmar St.	2389	2337	136.39	8	VCP		No issues
05/23/06	23	Pebble Vale St.	1430	1460	328.19	8	VCP	5	Cracked pipe at Sta 4, 19 (two segments), 94 (two segments), cracked pipe and lateral connection at 57, 125 (two segments), 204 - CIPP candidate
05/23/06	23	Pebble Vale St.	1460	2060	331.83	8	VCP		No issues
05/24/06	24	Bluffhill Dr.	1758	1782	176.67	8	VCP	4	Cracked pipe at Sta 0 (MH), 68, throughout - CIPP candidate
05/24/06	24	Bluffhill Dr.	1782	1876	356.66	8	VCP	5	Cracked pipe joint at Sta. 264 (two segments), failed pipe 339 (three segments) - spot repair candidate
05/24/06	24	Bluffhill Dr.	1876	1966	33.72	8	VCP	1	Blockage abandoned CCTV
05/24/06	24	Bluffhill Dr.	1966	1876	305.58	8	VCP	4	Reverse of previous - Cracked pipe joint at Sta 91 - Spot repair candidate
05/24/06	24	Bluffhill Dr.	1966	2066	335.36	8	VCP		No issues
05/24/06	24	Bluffhill Dr.	2066	1245	184.64	8	VCP		No issues
05/24/06	24	College View Dr.	2081	2181	357.57	8	VCP	1, 2, 5	Cracked pipe joint at Sta. 151 (two segments), 182, 199, 216, 287, cracked pipe and lateral at 222, 260 - CIPP candidate
05/24/06	24	College View Dr.	2181	2267	305.78	8	VCP	4	Cracked pipe and lateral connection at Sta. 167, cracked pipe at Sta. 244 (two segments), 292 (three segments) - CIPP candidate
05/24/06	24	College View Dr.	2267	2321	304.57	8	VCP	5	Failed pipe at Sta. 103 (four segments) - Spot repair candidate
05/24/06	25	First St.	1266	1298	225.42	8	VCP	2, 4	Cracked pipe joint at Sta 222 - Spot repair candidate
05/24/06	25	First St.	1298	1314	134.57	8	VCP	2	

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05/25/06	26	First St.	1314	1342	195.54	8	VCP		No issues
05/25/06	26	First St.	1342	2441	118.62	8	VCP	7	Abandoned inspection no reverse - debris in line
05/25/06	26	First St.	1266	1233	325.57	8	VCP		No issues
05/25/06	26	First St.	1233	2333	124.17	8	VCP		No issues
05/25/06	26	First St.	2397	1850	256.42	8	VCP		No issues
05/25/06	26	First St.	1850	1800	258.64	8	VCP		No issues
05/25/06	26	First St.	1800	1700	134.27	8	VCP	2	
05/25/06	26	First St.	1700	2441	164.05	8	VCP	2	
05/25/06	26	First St.	2398	2399	294.27	8	VCP		No issues
05/25/06	26	Woods Ave.	2399	129	343.74	8	VCP		No issues
05/25/06	27	Brooklyn	2093A	2093B	268.03	8	VCP		No issues
05/25/06	27	Brooklyn	2093B	2093C	42	8	VCP	2	Blockage abandoned CCTV
05/25/06	27	Brooklyn	2093C	2093B	211.09	8	VCP		Reverse of previous
05/25/06	27	Brooklyn	1950	2313	240.47	8	VCP	2	Blockage abandoned CCTV
05/25/06	27	Brooklyn	2313	1950	108.72	8	VCP		Reverse of previous
05/26/06	28	Floral Dr.	1571	1601	219.67	8	VCP	1, 5, 7	Cracked pipe at Sta. 7, 14, failed pipe at 208 (three segments) - Spot repair candidate
05/26/06	28	Floral Dr.	1601	1600	179.09	8	VCP	4	Cracked pipe at Sta 82 - Spot repair candidate
05/26/06	28	College View Dr.	1001	1020	133.46	8	VCP	4	Cracked pipe at Sta 51, 54 - Spot repair candidate
05/26/06	28	Brightwood St.	890	1901	61.88	8	VCP	2	
05/26/06	28	Alley	2325	2306	56.23	8	VCP		No issues
05/26/06	28	Alley	2306	1320	352.62	8	VCP	1, 4	Cracked pipe at Sta 127, 170 - Spot repair candidate
05/26/06	28	Alley	1320	1260	353.83	8	VCP	2	Roots at Lateral
05/26/06	28	Alley	1260	2301	350.71	8	VCP	1	
05/26/06	28	Alley	2310	2350	321.93	8	VCP	2	Roots at Lateral
05/26/06	28	Alley	2350	1298	322.24	8	VCP		No issues
05/26/06	29	Alley	1262	1218	290.64	8	VCP		No issues
05/26/06	29	Alley	1294	1262	289.12	8	VCP	2, 4	Cracked pipe joint at Sta 71 - Spot repair candidate
05/30/06	30	College View Dr.	1179	1129	354.44	12	VCP		No issues
05/30/06	30	Collegian Ave.	2315	1218	300.03	8	VCP		No issues
05/30/06	30	Collegian Ave.	1218	2333	167.78	8	VCP		No issues
05/30/06	30	Alley	2301	2325	228.86	8	VCP		No issues
05/30/06	30	Alley	2325	2373	234.21	8	VCP		No issues
05/30/06	30	Alley	2373	2405	273.58	8	VCP		No issues
05/30/06	30	Alley	2405	1342	333.14	8	VCP		No issues

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05/30/06	30	Alley	1480	2405	182.82	8	VCP		No issues
05/30/06	30	Schoolside Ave.	2325	E.L.A.C	255.71	8	VCP		No issues
05/30/06	30	Collegian Ave.	2333	2337	165.96	8	VCP		No issues
05/30/06	30	Collegian Ave.	2337	2441	360.19	8	VCP		No issues
			Total Length (ft)		**56219.02**		**10.65**	**Miles**	
					2007				
03/15/07		Alley bet. Cadiz and Loma Verde	7+81	3+28	393.61	8	RCP	2, 4	CIPP candidate due to concrete pipe
03/15/07		Alley bet. Cadiz and Loma Verde	3+28	7+81	65.92	8	RCP	4	CIPP candidate due to concrete pipe
03/15/07		Alley bet. Cadiz and Loma Verde	3+28	0+00	232.09	8	RCP	5	Multiple pipe failed sections and showing signs of corrosion failure throughout - CIPP candidate
03/15/07		Alley bet. Cadiz and Loma Verde	0+00	3+28	90.05	8	RCP	5	CIPP candidate due to concrete pipe
03/15/07		Ease East of Graylock Ave.	0+00	1+36	130.33	8	VCP	2, 4, 7	Abandoned inspection no reverse - Cracked pipe at Sta 78 - Spot repair candidate
03/15/07		Ease East of Graylock Ave.	10+37	6+88	357.67	8	VCP	2	
03/15/07		Ease East of Graylock Ave.	6+88	3+40	83.99	8	VCP	2	Abandoned inspection no reverse
04/05/07	1	Baltimore Ave.	4+28	2+16	219.67	8	RCP	2	CIPP candidate due to concrete pipe
04/05/07		Baltimore Ave.	2+16	0+00	216.34	8	RCP	4	Unmapped manhole - CIPP candidate due to concrete pipe
04/05/07		Nicholson Ave.	6+56	3+28	334.45	8	VCP	1	
04/05/07		Nicholson Ave.	3+28	0+00	298.21	8	VCP	1	Unmapped manhole/CCTV abandoned due to blockage
04/05/07		Lincoln Ave.	6+56	3+28	335.56	8	VCP	2	
04/05/07		Lincoln Ave.	3+28	0+00	333.54	8	VCP	1	
04/05/07		Garfield Ave.	8+64	4+24	450.24	8	RCP	1	CIPP candidate due to concrete pipe
04/05/07		Garfield Ave.	4+24	0+00	432.37	8	RCP	1	CIPP candidate due to concrete pipe
04/06/07	2	Garvey Ave.	2+79	7+59	491.94	12	RCP		CIPP candidate due to concrete pipe
04/06/07		Garvey Ave.	7+59	10+66	156.4	12	RCP	1	Blockage abandoned CCTV - CIPP candidate because of concrete pipe
04/06/07		Garvey Ave.	10+66	7+59	106.4	12	RCP		Reverse of previous - CIPP candidate because of concrete pipe
04/06/07		Garvey Ave.	10+66	13+66	306.79	12	RCP	1	CIPP candidate due to concrete pipe
04/06/07		Garvey Ave.	13+66	16+69	302.35	12	RCP	1	Abandoned inspection no reverse - CIPP candidate due to concrete pipe
04/06/07		Garvey Ave.	22+76	25+79	313.25	12	RCP	1	CIPP candidate due to concrete pipe
04/06/07		Garfield Ave.	13+04	8+64	436.82	8	RCP	1, 4	CIPP candidate due to concrete pipe
06/13/07	1	Bleakwood Ave.	2361	2381	264.9	8	VCP		No issues

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06/13/07	1	Bleakwood Ave.	2381	2397	271.05	8	VCP		No issues
06/13/07	1	Roscommon Ave.	2355	2375	264.9	8	VCP		No issues
06/13/07	1	Roscommon Ave.	2375	2391	272.57	8	VCP		No issues
06/13/07	1	Vancouver Ave.	2366	2383	172.83	8	VCP		No issues
06/13/07	1	Vancouver Ave.	2383	2391	139.51	8	VCP	2, 4	Cracked pipe joint at Sta 99 - Spot repair candidate
06/13/07	1	Vancouver Ave.	2391	2399	121.44	8		2	Blockage abandoned CCTV
06/13/07	1	Vancouver Ave.	2399	2391	109.43	8			reverse of previous
06/13/07	1	First St.	2399	2399	293.16	8	VCP	1	
06/13/07	1	Woods Ave.	2365	2385	263.69	8	VCP		No issues
06/13/07	1	Woods Ave.	2385	2399	273.38	8			No issues
06/13/07	1	First St.	2397	1860	254.5	8	VCP		No issues
06/13/07	1	First St.	1860	1700	258.44	8	VCP	1, 2	
06/13/07	1	First St.	1700	2411	133.96	8	VCP	2	
06/13/07	1	First St.	2411	2441A	162.63	8		2	
06/14/07	2	First St.	1298	1270	224.42	8	VCP		No issues
06/14/07	2	First St.	1298	1314	134.16	8	VCP	2	
06/14/07	2	First St.	1314	1342	194.43	8	VCP		No issues
06/14/07	2	First St.	1342	2439	164.65	8	VCP		No issues
06/14/07	2	Alley bet. Dorner and Collegian	1380	1257	288.12	8	VCP	2	
06/14/07	2	Alley bet. Dorner and Collegian	1257	2325	287.71	8	VCP	2	
06/15/07	2	Alley bet. School and Collegian	1320	2314	222.9	8	VCP	1, 2	
06/15/07	2	Alley bet. School and Collegian	1320	1260	349.8	8	VCP	2	
06/15/07	2	Alley bet. School and Collegian	1260	2301	349.39	8	VCP	1	
06/15/07	2	Alley bet. School and Collegian	2314	2314A	58.05	8	VCP		No issues
06/15/07	2	Alley bet. School and Collegian	2314A	1320	124.78	8	VCP	1, 2	
06/15/07	2	Schoolside Ave.	2314	2305	255.31	8	VCP		No issues
06/15/07	2	Avenida Cesar Chavez	2CC	1CC	220.28	10	PVC		No issues
06/15/07	2	Avenida Cesar Chavez	1CC	0CC	174.14	10	PVC		No issues
06/15/07	2	Avenida Cesar Chavez	2CC	3CC	87.63	10	PVC		No issues
06/15/07	3	Avenida Cesar Chavez	3CC	4CC	132.75	10	PVC		No issues
06/15/07	3	Avenida Cesar Chavez	4CC	5CC	173.43	10	PVC		No issues
06/15/07	3	Avenida Cesar Chavez	5CC	6CC	257.83	10	PVC		No issues
06/15/07	3	Avenida Cesar Chavez	6CC	7CC	106.5	10	PVC		No issues
06/15/07	3	Collegian Ave.	2333	2337	165.06	8	VCP	1	Sand in invert throughout
06/15/07	3	Collegian Ave.	2337	2417	357.77	8	VCP		No issues
06/15/07	3	Sherbrook St.	2448	2426	275.09	8	VCP	1	

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06/15/07	3	Sherbrook St.	2442	2448	159.4	8	VCP		No issues
06/15/07	3	Sherbrook St.	2442	2439	34.73	8	VCP	7	Blockage abandoned CCTV Rocks in Pipe - Spot repair
06/18/07	4	Gladmar St.	2429	2417	151.23	8	VCP		No issues
06/18/07	4	Gladmar St.	2405	2417	173.13	8	VCP		No issues
06/18/07	4	Gladmar St.	2405	2389	185.85	8	VCP		No issues
06/18/07	4	Gladmar St.	2389	2337	135.17	8	VCP		No issues
06/18/07	4	Casitas St.	530	527	111.05	8	VCP		No issues
06/18/07	4	Casitas St.	530	566	177.98	8	VCP		No issues
06/18/07	4	Casitas St.	566	1670	48.86	8	VCP	5	Failed/Collapsed lateral connection/pipe Sta 2, collapsed pipe at Sta 47 inspection abandoned - spot repair candidate
06/18/07	4	Casitas St.	1670	566	183.23	8	VCP	5	Reverse of previous - failed pipe at Sta 90, 115, 142 (two segments) failed lateral connection and pipe at 121, cracked joint at 110, - spot repair candidate.
06/18/07	4	Arbolis St.	501	1624	261.26	8	VCP	4	Failed lateral connection at 77, 80, 144, failed pipe joint at 139 - Spot repair candidate
06/18/07	4	Granada Dr.	842	816	119.02	8	VCP		No issues
06/18/07	4	Cereza Dr.	763	716	110.74	8	VCP		No issues
06/18/07	4	Topacio Dr.	779	724	114.48	8	VCP		No issues
06/18/07	4	Pueblo Dr.	615	645	157.48	8	VCP		No issues
06/18/07	4	Pueblo Dr.	645	660	117.61	8	VCP		No issues
06/18/07	4	Ease bet. Pueblo and Abajo	660	Main	50.17	8	VCP	1	Blockage abandoned CCTV
06/18/07	4	Ease bet. Pueblo and Abajo	Main	660	40.58	8	VCP		Reverse of previous
06/18/07	4	Vagabond Rd.	690A	690B	225.22	8	VCP		No issues
06/18/07	4	Vagabond Rd.	690B	705	345.76	8	VCP	4	Cracked pipe joint at Sta 26 - Spot repair candidate
06/18/07	4	Vagabond Rd. and Barnum Wy.	835A	835B	77.63	8	VCP		No issues
06/18/07	4	Vagabond Rd. and Barnum Wy.	835B	835C	307.9	8	VCP	4	Cracked pipe at Sta 192, throughout - CIPP candidate
06/18/07	4	Vagabond Rd. and Barnum Wy.	835C	670	169.7	8	VCP	5, 6	Failed pipe at Sta 25 (four segments), failed lateral connection and pipe segment Sta 163 - Spot repair candidate
06/18/07	4	Vagabond Rd.	670	705	56.84	8	VCP	1	
06/19/07	5	Barnum Way	646	660	222.19	8	VCP	2	
06/19/07	5	Barnum Way	660	676	258.13	8	VCP		No issues

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06/19/07	5	Barnum Way	676	689	144.66	8	VCP	4, 5, 6	Failed lateral connection and pipe Sta 7, 14, cracked pipe at 21, failed pipe at 57, 85 offset at MH - Spot repair candidate
06/19/07	5	Barnum Way	689	693	108.72	8	VCP		No issues
06/19/07	5	Barnum Way	693	705	140.83	8	VCP		No issues
06/19/07	5	Barnum Way	705	729	326.58	8	VCP		No issues
06/19/07	5	Barnum Way	729	737	179.19	8	VCP		No issues
06/19/07	5	Barnum Way	737	761	293.47	8	VCP	2, 6	Offset at Sta 173 - Spot repair candidate
06/19/07	5	Barnum Way	761	777	258.54	8	VCP		No issues
06/19/07	5	Barnum Way	777	793	285.59	8	VCP		No issues
06/19/07	5	Barnum Way	793	809A	283.88	8	VCP		No issues
06/19/07	5	Barnum Way	809A	809B	215.73	8	VCP		No issues
06/19/07	5	Barnum Way	809B	827	281.25	8	VCP		No issues
06/19/07	5	Barnum Way	827	835A	201.6	8	VCP	6	Offset abandoned CCTV Sta 201 - Spot repair candidate
06/19/07	5	Barnum Way	835A	827	39.27	8	VCP		reverse of previous
06/20/07	6	Abajo Dr.	2150	821	76.42	8	VCP		No issues
06/20/07	6	Abajo Dr.	2150	2110	190.19	8	VCP		No issues
06/20/07	6	Abajo Dr.	2110	2070	194.23	8	VCP		No issues
06/20/07	6	Abajo Dr.	2070	2020	275.8	8	VCP		No issues
06/20/07	6	Abajo Dr.	2020	1980	261.06	8	VCP	4	Cracked pipe joint at Sta 67 - Spot repair candidate
06/20/07	6	Abajo Dr.	1980	1930	271.96	8	VCP	1	Blockage abandoned CCTV
06/20/07	6	Abajo Dr.	1930	1980	0	8	VCP		reverse of previous
06/20/07	6	Abajo Dr.	1930	1910	0	8	VCP	1	Blockage abandoned CCTV
06/20/07	6	Abajo Dr.	1910	1930	123.06	8	VCP	1	reverse of previous
06/20/07	6	Abajo Dr.	1910	1890	36.36	8	VCP	1	Blockage abandoned CCTV
06/20/07	6	Abajo Dr.	1890	1910	111.85	8	VCP		reverse of previous
06/20/07	6	Abajo Dr.	1890	1875	112.96	8	VCP		No issues
06/20/07	6	Abajo Dr.	1875	1845	173.84	8	VCP	1, 3	
06/20/07	6	Abajo Dr.	1845	1785	265.91	8	VCP		No issues
06/20/07	6	Abajo Dr.	1785	1725	285.89	8	VCP		No issues
06/20/07	6	Abajo Dr.	1725	1691	160.61	8	VCP		No issues
06/20/07	6	Abajo Dr.	1340	1380	228.76	8	VCP		No issues
06/20/07	7	Abajo Dr.	1380	1410	161.62	8	VCP		No issues
06/20/07	7	Abajo Dr.	1410	1440	228.05	8	VCP		No issues
06/21/07	7	Abajo Dr.	1440	1480	204.83	8	VCP	3	

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06/21/07	7	Abajo Dr.	1480	1530	245.51	8	VCP		No issues
06/21/07	7	Abajo Dr.	1530	1560	208.26	8	VCP		No issues
06/21/07	7	Abajo Dr.	1560	1590	172.02	8	VCP		No issues
06/21/07	7	Abajo Dr.	1590	1624	232.39	8	VCP		No issues
06/21/07	7	Abajo Dr.	1624	1670	303.96	8	VCP		No issues
06/21/07	7	Abajo Dr.	1670	1691	217.45	8	VCP	5	Failed pipe at Sta 147 (five segments), 193, 199, - CIPP candidate
06/21/07	7	Arriba Dr.	1904	1943	338.19	8	VCP		No issues
06/21/07	7	Arriba Dr.	1943	1999	262.57	8	VCP		No issues
06/21/07	7	Arriba Dr.	2025	1999	146.18	8	VCP		No issues
06/21/07	7	Arriba Dr.	2025	2065	207.15	8	VCP		No issues
06/21/07	7	Arriba Dr.	2065	2075	116.5	8	VCP	2	
06/21/07	7	Arriba Dr.	2075	2127	18.98	8	VCP	7	Blockage abandoned CCTV - Debris in pipe
06/21/07	7	Arriba Dr.	2127	2075	116.8	8	VCP		reverse of previous
06/21/07	7	Arriba Dr.	2127	2157	252.68	8	VCP		No issues
06/21/07	7	Arriba Dr.	2157	2180	98.53	8	VCP	2	
06/21/07	7	Arriba Dr.	2180	2160	105.39	8	VCP		No issues
06/21/07	7	Arriba Dr.	2160	821	105.49	8	VCP	2	
06/22/07	8	Arriba Dr.	1423	1461	192.31	8	VCP	2	
06/22/07	8	Arriba Dr.	1461	1473	156.37	8	VCP	2	
06/22/07	8	Arriba Dr.	1473	1495	165.66	8	VCP		No issues
06/22/07	8	Arriba Dr.	1495	1573	339	8	VCP	2	
06/22/07	8	Arriba Dr.	1573	1566	210.48	8	VCP	2	
06/22/07	8	Arriba Dr.	1635	1566	206.75	8	VCP	2	
06/22/07	8	Arriba Dr.	1655	1701	152.03	8	VCP	1, 2	Abandoned inspection no reverse
06/22/07	8	Arriba Dr.	1655	486	211.09	8	VCP	2	
06/22/07	8	Arriba Dr.	1701	1655	35.94	8	VCP	1, 2	Reverse pull required to complete CCTV
06/22/07	8	Arriba Dr.	1701	1710	93.48	8	VCP		No issues
06/22/07	8	Arriba Dr.	1892	1801	288.72	8	VCP	2	
06/22/07	8	Arriba Dr.	1801	1769	103.58	8	VCP	2	Abandoned inspection no reverse
06/22/07	8	Colina Terrace	1801	582	74.5	8	VCP	2	Blockage abandoned CCTV
06/22/07	8	Colina Terrace	582	1801	20.8	8	VCP		reverse of previous
06/22/07	8	Arriba Dr.	1769	1801	93.58	8	VCP	4, 2	Blockage abandoned CCTV no reverse - Cracked pipe at Sta 12 - Spot repair candidate
06/22/07	8	Arriba Dr.	1769	1737	226.54	8	VCP	2	
06/22/07	8	Arriba Dr.	1737	1710	188.78	8	VCP		No issues
06/22/07	8	Verde Vista	1556	1546	101.66	8	VCP		No issues

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06/22/07	8	Verde Vista	1546	1526	220.48	8	VCP		No issues
06/25/07	8	Verde Vista	1526	1516	147.29	8	VCP		No issues
06/25/07	8	Verde Vista	1516	1590	230.17	8	VCP		No issues
06/25/07	8	Verde Vista	1566	1576	146.28	8	VCP	2	
06/25/07	8	Verde Vista	1576	1597	271.76	8	VCP	2	Blockage abandoned CCTV
06/25/07	8	Verde Vista	1597	1576	63.09	8	VCP		reverse of previous
06/25/07	8	Verde Vista	1597	1651	148.7	8	VCP		No issues
06/25/07	8	Verde Vista	1651	1751	309.11	8	VCP	2	
06/25/07	8	Verde Vista	1751	295	147.79	8	VCP	4	Cracked pipe at Sta 45 - Spot repair candidate
06/25/07	8	Verde Vista	1900	1998	380.89	8	VCP		No issues
06/25/07	8	Verde Vista	2172	2084	282.06	8	VCP	2	
06/25/07	8	Verde Vista	2084	1998	280.14	8	VCP	2	
06/25/07	8	Verde Vista	2196	283	319.01	8	VCP		No issues
06/25/07	8	Avion Dr.	1446	1485	195.74	8	VCP		No issues
06/25/07	9	Avion Dr.	1485	1514	162.03	8	VCP		No issues
06/25/07	9	Avion Dr.	1514	1562	162.53	8	VCP		No issues
06/25/07	9	Avion Dr.	1562	1546	207.66	8	VCP		No issues
06/25/07	9	Avion Dr.	1458	1546A	200.89	8	VCP		No issues
06/26/07	9	Campo St.	489	1485	141.03	8	VCP		No issues
06/26/07	9	Aliso St.	385	1386	164.05	8	VCP		No issues
06/26/07	9	Bonita Terrace	1457	1450	112.16	8	VCP	2, 4	Cracked pipe at Sta 6 - Spot repair candidate
06/26/07	9	Sombrero Dr.	1300	1345	239.05	8	VCP	1, 2	
06/26/07	9	Sombrero Dr.	1345	1389	270.85	8	VCP	4	Cracked pipe at Sta 123 - Spot repair candidate
06/26/07	9	Sombrero Dr.	1389	1435	193.32	8	VCP	2, 4	Cracked pipe at Sta 73 - Spot repair candidate
06/26/07	9	Sombrero Dr.	1435	1458	159.1	8	VCP	2	
06/26/07	9	Sombrero Dr.	1458	1500	180.91	8	VCP	4, 5	Failed pipe at Sta 4 (5 segments), 42 (two segments), 53 (two segments), 75 (two segments), multiple failures throughout - CIPP candidate
06/26/07	9	Sombrero Dr.	1500	1558	193.42	8	VCP		No issues
06/26/07	9	Sombrero Dr.	1558	1600	124.78	8	VCP	2, 4	Cracked pipe throughout - CIPP candidate
06/26/07	9	Sombrero Dr.	1600	1700	349.7	8	VCP	2, 4	Cracked pipe at Sta 4, throughout - CIPP candidate
06/26/07	9	Sombrero Dr.	1700	1790	126.09	8	VCP	2	Blockage abandoned CCTV
06/26/07	9	Sombrero Dr.	1790	1700	5.96	8	VCP		reverse of previous
06/26/07	10	Avion Dr.	1379	1345	351.11	8	VCP	2	
06/26/07	10	Feliz St.	1500	1516	342.12	8	VCP		No issues

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06/27/07	11	Copa Way	1640	1710	102.77	8	VCP	2	
06/27/07	11	Copa Way	1710	1769	219.87	8	VCP	2, 4	Cracked pipe at Sta 211, 214 - Spot repair candidate
06/27/07	11	Copa Way	1769	1855	313.56	8	VCP	2	Debris
06/27/07	11	Copa Way	1855	1910	305.28	8	VCP	2, 5	Failed pipe and lateral connection at Sta. 160, 166 - Spot repair candidate
06/27/07	11	Copa Way	1910	1930	117.51	8	VCP	4	Cracked pipe at Sta 66, throughout - CIPP candidate
06/27/07	11	Copa Way	1930	501	113.07	8	VCP	2	Blockage abandoned CCTV
06/27/07	11	Copa Way	501	1930	54.41	8	VCP	1	reverse of previous
06/27/07	11	Ladera St.	283	235	246.93	8	VCP	2	
06/27/07	11	Ladera St.	235	193	288.12	8	VCP	2	
06/27/07	11	Ladera St.	193	167	268.93	8	VCP	2	
06/27/07	11	Ladera St.	167	141	75.21	8	VCP	1	debris abandoned cctv
06/27/07	11	Ladera St.	141	167	198.37	8	VCP	2, 3	reverse of previous
06/27/07	11	Ladera St.	141	119	270.25	8	VCP	1, 4	Debris - Cracked pipe throughout - CIPP candidate
06/27/07	11	Ladera St.	119	103	205.13	8	VCP	4	Cracked pipe throughout - CIPP candidate
06/27/07	11	Ladera St.	103	265	158.59	8	VCP	5	Cracked pipe at Sta 79, 100, throughout - CIPP candidate
06/29/07	12	Ladera St.	327	424	312.04	8	VCP		No issues
06/29/07	12	Ladera St.	424	494	358.78	8	VCP	4	Cracked pipe at Sta 165 - Spot repair candidate
06/29/07	12	Ladera St.	494	532	356.16	8	VCP	1, 2, 4	Infiltration at Sta 202, 294 - Spot repair candidate
06/29/07	12	Ladera St.	532	541	356.06	8	VCP	1, 4	Cracked pipe at Sta 68, throughout - CIPP candidate
06/29/07	12	Grandeza St.	415	461	232.9	8	VCP	1, 4	Cracked pipe at Sta 227 - Spot repair candidate
06/29/07	12	Grandeza St.	461	495	230.78	8	VCP	5	Cracked pipe at Sta 223, throughout - CIPP candidate
06/29/07	12	Grandeza St.	495	537	355.65	8	VCP	5	Cracked pipe at Sta 37, 61, 340, throughout - CIPP candidate
06/29/07	12	Grandeza St.	537	530	265.91	8	VCP	2, 4, 6	Offset joint at Sta 262 - Cracked pipe throughout - CIPP candidate
06/29/07	12	Cerco Alta Dr.	2095	299	224.82	8	VCP	1	
06/29/07	12	Cerco Alta Dr.	1930	1906	235.12	8	VCP	5	Cracked pipe at Sta 180, 190, throughout - CIPP candidate
06/29/07	12	Cerco Alta Dr.	1930	1962	243.19	8	VCP	2	

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06/29/07	12	Cerco Alta Dr.	1962	1982	172.83	8	VCP	4	Cracked pipe at Sta 91, 158 - Spot repair candidate
06/29/07	12	Cerco Alta Dr.	1982	299	307.3	8	VCP	5	Cracked pipe at Sta 218, 220, throughout - CIPP candidate
07/05/07	13	Barranca Dr.	265	278	219.77	8	VCP	5	Cracked pipe at Sta 84, 92, throughout - CIPP candidate
07/05/07	13	Barranca Dr.	278	298	341.42	8	VCP	1, 4	Cracked pipe throughout - CIPP candidate
07/05/07	13	Barranca Dr.	265	247	185.87	8	VCP		No issues
07/05/07	13	Barranca Dr.	247	226	215.73	8	VCP	2	
07/05/07	13	Barranca Dr.	1995	298	292.96	8	VCP	1, 4	Cracked pipe throughout - CIPP candidate
07/05/07	13	Barranca Dr.	1995	320	279.53	8	VCP	2, 4	Cracked pipe throughout - CIPP candidate
07/05/07	13	Barranca Dr.	320	368	202.1	8	VCP	2, 4	Cracked pipe at Sta 131, throughout - CIPP candidate
07/05/07	13	Durango St.	2097	2029	270.25	8	VCP	1, 2	
07/05/07	13	Durango St.	2029	2001	178.48	8	VCP	4	Cracked pipe throughout - CIPP candidate
07/05/07	13	Sierra Alta Way	1894	1906	235.32	8	VCP	2, 3, 4	Blockage abandoned CCTV - roots - Cracked pipe at Sta 114, 235 - Spot repair candidate
07/05/07	13	Sierra Alta Way	1906	1894	92.47	8	VCP		reverse of previous
07/06/07	14	Avenida Cesar Chavez	CC7	1230	78.64	12	VCP		No issues
07/06/07	14	Avenida Cesar Chavez	1230	2291	183.53	12	VCP		No issues
07/06/07	14	Avenida Cesar Chavez	2291	2291A	11.91	12	VCP		No issues
07/06/07	14	Avenida Cesar Chavez	2291A	2291B	10.2	12	VCP	1	
07/06/07	14	Avenida Cesar Chavez	1000	1000A	316.18	8	VCP		No issues
07/06/07	14	Avenida Cesar Chavez	1000A	2305	60.97	8	VCP		No issues
07/06/07	14	Collegian Ave.	2311	2321	298.31	8	VCP		No issues
07/06/07	14	Collegian Ave.	2321	2325	167.98	8	VCP		No issues
07/06/07	14	First St.	1384	1237	324.36	8	VCP	4	Cracked pipe throughout - CIPP candidate
07/06/07	14	Mesa Way	201	2196	289.12	8	VCP	2	
08/14/07	14	Garvey Ave.	0	1066	312.85	12	RCP	1	CIPP candidate because of concrete pipe
08/14/07	14	Garvey Ave.	1366	1669	308.51	12	RCP	1, 4	CIPP candidate because of concrete pipe
08/14/07	14	Garvey Ave.	1669	1973	309.42	12	RCP	1	CIPP candidate because of concrete pipe

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08/14/07	15	Garvey Ave.	1973	2276	305.48	12	RCP	1	CIPP candidate because of concrete pipe
08/14/07	15	Nicholson Ave.	328	0	297.1	8	RCP	1	Unmapped MH, blockage abandoned CCTV - CIPP candidate because of concrete pipe
			Total Length (ft)		**49283.22**		**9.33**	**Miles**	
					2008				
10/05/08	1	Atlantic Blv.	24+46	25+66	89.57	8	RCP	1	Abandoned inspection no reverse - CIPP candidate due to concrete pipe
10/05/08	1	Atlantic Blv.	24+46	21+75	264.31	8	NRCP	1	CIPP candidate because of concrete pipe
10/05/08	1	Atlantic Blv.	21+75	19+80	3	8	NRCP	1	Blockage abandoned CCTV (concrete)
10/06/08	1	Atlantic Blv.	19+80	21+75	194.54	8	NRCP		Reverse of previous
10/06/08	1	Atlantic Blv.	19+80	17+75	206.63	8	NRCP		CIPP candidate because of concrete pipe
10/06/08	1	Atlantic Blv.	17+75	13+25	455.15	8	NRCP	1, 6	Offset joint at Sta 436 - CIPP candidate because of concrete pipe
10/06/08	1	Atlantic Blv.	13+25	8+00	3	8	NRCP	1	Blockage abandoned CCTV (grease) - CIPP candidate because of concrete pipe
10/06/08	1	Atlantic Blv.	8+00	13+25	273.51	8	NRCP	1, 2	Reverse of previous - CIPP candidate because of concrete pipe
10/06/08	1	Garfield Ave.	21+85	25+58	372.98	8	NRCP	1	Grease at lateral - CIPP candidate because of concrete pipe
10/07/08	2	Garfield Ave ES.	7+57	3+85	375.48	8	VCP	2	Roots at Lateral
10/07/08	2	Garfield Ave ES.	3+85	0+00	387.07	8	VCP	3, 5, 6	Failed lateral connection at Sta 295, failed pipe at MH - Spot repair candidate
10/07/08	2	Garfield Ave ES.	17+69	15+19	249.12	8	VCP	2, 4	Failed pipe joint at Sta. 110 - Spot repair candidate
10/07/08	2	Garfield Ave ES.	7+57	15+19	13+13	8	VCP	2	
10/07/08	2	Garfield Ave ES.	13+13	10+45	271.31	8	VCP	1, 2, 5, 6	Failed lateral connection at Sta 30, offset at Sta 103 (lateral connection) - Spot repair candidate
10/07/08	2	Garfield Ave ES.	10+45	7+75	272.91	8	VCP	2, 4, 6	Offset joint at Sta 262 - CIPP candidate to assist with roots
10/07/08	3	Garfield Ave ES.	7+75	5+09	269.11	8	VCP	2, 5, 7	Failed pipe soffit at joint - Spot repair candidate
10/07/08	3	Garfield Ave ES.	5+09	2+44	230.52	8	VCP	2	
10/07/08	3	Garfield Ave ES.	Unnamed	2.44	74.48	8	VCP		No issues
10/07/08	3	Garfield Ave ES.	2+44	0+00	205.03	8	VCP		No issues
10/07/08	3	Garfield Ave WS	7+80	5+40	242.82	8	VCP	7	Failed pipe section (exterior penetration) at Sta 224 - Spot repair candidate
10/07/08	3	Garfield Ave WS	5+40	2+70	261.41	8	VCP	1	Blockage abandoned CCTV (grease)
10/08/08	3	Garfield Ave WS	2+70	5+40	32.39	8	VCP		Reverse of previous

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Date	Tape ID	Street Location	From MH	To MH	Length	Diameter	Pipe Material	Identified Issue	Notes
10/08/08	3	Garfield Ave WS	2+70	0+00	92.57	8	VCP	1	Blockage abandoned CCTV (grease)
10/08/08	3	Garfield Ave WS	0+00	2+70	0	8	VCP		Reverse of previous - review
10/08/08	3	Garfield Ave WS	16+70	15+08	165.05	8	VCP	1, 2	
10/08/08	3	Garfield Ave WS	15+08	12+83	227.03	8	VCP	2	
10/08/08	3	Garfield Ave WS	12+83	10+09	276.51	8	VCP	2	
10/08/08	3	Garfield Ave WS	10+09	7+50	261.31	8	VCP	5, 7	Failed pipe section at Sta 107, lateral break in at Sta 89, 184 - Spot repair candidates
10/08/08	3	Garfield Ave WS	7+50	4+91	261.41	8	VCP	2, 6	Offset joint at Sta 4 (MH) - spot repair candidate
10/08/08	3	Garfield Ave WS	4+91	2+28	265.51	8	VCP	2, 4	Failed pipe segment at Sta 240 - Spot repair candidate
10/08/08	3	Garfield Ave WS	2+28	0+00	228.53	8	VCP	6	Cracked pipe section at Sta 70, 78, offset at Sta 220 - Spot repair candidates
11/02/08	4	New Ave.	6+60	9+80	316.1	8	VCP	1, 3	
11/02/08	4	New Ave.	9+80	12+97	325.79	8	VCP	1, 3	
11/02/08	4	New Ave.	6+60	3+40	326.59	8	VCP	1, 3	
11/02/08	4	New Ave.	3+40	0+20	320.19	8	VCP	2	tap root out of lateral
11/03/08	4	New Ave.	0+20	0+00	20.19	8	VCP		No issues
11/03/08	4	Monterey Pass Rd.	16+07	12+74	336.09	8	VCP	1	
11/03/08	4	Monterey Pass Rd.	12+74	9+28	135.96	8	VCP	1	Blockage abandoned CCTV (grease)
11/03/08	4	Monterey Pass Rd.	9+28	12+74	215.63	8	VCP	1	rR
11/03/08	4	Monterey Pass Rd.	5+80	9+28	349.99	10	VCP		No issues
11/03/08	4	Monterey Pass Rd.	5+80	2+61	318.7	10	VCP	1	
11/04/08	5	Monterey Pass Rd.	2+61	0+21	244.62	10	VCP	1	
11/04/08	5	Monterey Pass Rd.	0+21	0+00	21.59	10	VCP	1	
11/04/08	5	Monterey Pass Rd.	63+25	63+40	23.59	8	VCP		No issues
11/04/08	5	Monterey Pass Rd.	63+40	66.32	294.3	8	VCP	1	
11/04/08	5	Monterey Pass Rd. & Kern Ave.	13+32	10+95	239.92	12	VCP	1	
11/04/08	5	Monterey Pass Rd. & Kern Ave.	10+95	7+50	350.29	12	VCP		No issues
11/09/08	6	New Ave.	13+00	10+74	226.26	12	VCP		No issues
11/09/08	6	New Ave.	10+74	8+75	201.53	12	VCP		No issues
11/09/08	6	New Ave.	8+75	35+16	7.05	12	VCP		concrete in channel
11/09/08	6	New Ave.	8+75	5+88	288.11	12	VCP		No issues
11/09/08	6	New Ave.	5+88	2+98	291.78	12	VCP		No issues
11/09/08	6	New Ave.	2+98	0+00	299.13	12	VCP	1	
11/10/08	6	New Ave.	13+00	13+10	9.73	12	VCP		No issues
11/10/08	6	New Ave.	21+14	17+89	326.33	12	VCP	3	
11/10/08	6	New Ave.	17+89	14+66	324.34	12	VCP		No issues

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11/10/08	6	New Ave.	14+66	12.+86	180.98	12	VCP		No issues
11/10/08	6	New Ave.	12+86	9+57	327.12	12	VCP		No issues
11/10/08	6	New Ave.	9+57	4+61	496.89	12	VCP		No issues
11/10/08	6	New Ave.	4+61	5+60	426.6	12	VCP	1	
11/10/08	6	New Ave.	5+60	0+00	32.27	12	VCP		No issues
11/10/08	7	Monterey Pass Rd.	53+61	51+04	256.93	12	VCP	1, 4	Cracked pipe at Sta 0 (MH) and 67 - Spot repair candidate
11/10/08	7	Monterey Pass Rd.	51+04	48+25	281.45	12	VCP	4	Cracked pipe at Sta 102, 208, throughout - CIPP candidate
11/10/08	7	Monterey Pass Rd.	48+25	44+75	348.07	12	VCP	4	Cracked pipe at Sta 9, 197, 297, throughout - CIPP candidate
11/10/08	7	Monterey Pass Rd.	44+75	41+25	349.46	12	VCP	3, 4	Cracked pipe at Sta 75, 194 - Spot repair candidate
11/10/08	7	Monterey Pass Rd.	41+25	37+75	350.06	12	VCP	3, 4	Cracked pipe at Sta 136 - Spot repair candidate
11/10/08	7	Monterey Pass Rd.	37+75	34+25	350.06	12	VCP		No issues
11/10/08	7	Monterey Pass Rd.	34+25	30+75	350.45	12	VCP		No issues
11/10/08	7	Monterey Pass Rd.	30+75	27+25	350.65	12	VCP		No issues
11/11/08	7	Monterey Pass Rd.	27+25	23+75	350.06	12	VCP	2	
11/11/08	7	Monterey Pass Rd.	23+75	20+25	352.34	10	VCP	5	Failed pipe joint at Sta 314 - Spot repair candidate
11/11/08	8	Monterey Pass Rd.	20+25	16+75	351.25	10	VCP	4	Cracked pipe at Sta 148, 264, throughout - CIPP candidate
11/11/08	8	Monterey Pass Rd.	16+75	13+32	335.26	10	VCP	1, 4	infiltration - CIPP candidate
11/11/08	8	Monterey Pass Rd.	7+50	4+02	350.35	12	VCP	4	Infiltration, Cracked pipe at Sta 252, throughout - CIPP candidate
11/11/08	8	Monterey Pass Rd.	4+02	0+94	310.54	12	VCP	1, 4	Cracked pipe throughout - CIPP candidate
11/11/08	8	Monterey Pass Rd.	0+94	0+64	28.49	12	VCP		No issues
11/11/08	8	Monterey Pass Rd.	60+00	63+25	320.67	8	VCP	1	
11/11/08	8	Monterey Pass Rd.	60+00	57+00	301.91	8	VCP	1, 4	Cracked pipe throughout - CIPP candidate
11/12/08	8	Monterey Pass Rd.	57+00	53+70	330.6	8	VCP	1, 4, 7	Failed pipe section previously repaired
11/12/08	8	Monterey Pass Rd.	60+50	64+00	350.55	8	VCP	1	
11/12/08	8	Monterey Pass Rd.	60+50	57+00	351.74	8	VCP	1, 4	Cracked pipe at Sta 346 - Spot repair candidate
11/12/08	8	Monterey Pass Rd.	57+00	53+61	340.13	8	VCP	1, 4	Cracked pipe at Sta 65, 335 - Spot repair candidate
11/13/08	9	Monterey Pass Rd.	53+70	53+12	57.38	8	VCP	4	Cracked pipe at Sta 8 - Spot repair candidate
11/13/08	9	Monterey Pass Rd.	76+91	79+91	300.12	8	VCP	1, 4	Debris in pipe - Cracked pipe at Sta 296 - Spot repair candidate

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11/13/08	9	Monterey Pass Rd.	76+91	73+66	328.31	8	VCP	1, 4	Cracked pipe at Sta 14, 254, throughout - CIPP candidate
11/13/08	9	Monterey Pass Rd.	73+66	70+91	275.2	8	VCP	1	
11/13/08	9	Monterey Pass Rd.	70+91	67+50	339.63	8	VCP	1, 4	Cracked pipe at Sta 152 - Spot repair candidate
11/13/08	10	Monterey Pass Rd.	67+50	64+00	355.81	8	VCP	1	
11/14/08	10	Corporate Center Dr.	34+67	31+75	293.66	8	VCP	1, 3	
11/14/08	10	Corporate Center Dr.	31+75	28+75	300.71	8	VCP	4	Cracked pipe at Sta 202 - Spot repair candidate
11/14/08	10	Corporate Center Dr.	28+75	25+77	305.88	8	VCP		No issues
11/14/08	10	Corporate Center Dr.	25+77	22+75	298.03	8	VCP	4	Cracked pipe at Sta 293 - Spot repair candidate
11/14/08	10	Corporate Center Dr.	22+75	19+77	303.2	8	VCP	4	Cracked pipe at Sta 3, 20, throughout - CIPP candidate
11/14/08	10	Corporate Center Dr.	19+77	16+35	340.92	8	VCP		No issues
10/06/08		Garfield Ave.	2185	1745	444.35	8	VCP	1	
10/06/08		Garfield Ave.	1745	1304	433.06	8	VCP	1	
10/06/08		Garfield Ave.	1277	1304	23.89	8	RCP		CIPP candidate because of concrete pipe
10/06/08		Garfield Ave.	1277	864	433.66	8	RCP	1	CIPP candidate because of concrete pipe
10/06/08		Garfield Ave.	865	424	445.45	8	RCP	1	CIPP candidate because of concrete pipe
10/06/08		Garfield Ave.	424	0	428.16	8	RCP	1, 7	CIPP candidate because of concrete pipe
11/16/08	11	Corporate Center Dr.	100	325	184.26	8	VCP	1, 2	Abandoned inspection no reverse
11/16/08	11	Corporate Center Dr.	325	551	225.66	8	VCP	1, 3	
11/16/08	11	Corporate Center Dr.	3535	3800	6	8	VCP	1, 4	Abandoned inspection no reverse - debris in line - Cracked pipe at Sta 4 - Spot repair candidate
11/16/08	11	Corporate Center Dr.	3464	3535	68.89	8	VCP	1	
11/16/08	11	Corporate Center Dr.	1635	1400	237.47	8	VCP		No issues
11/16/08	11	Corporate Center Dr.	1400	1288	113.28	8	VCP		No issues
11/16/08	11	Corporate Center Dr.	1288	1100	190.81	8	VCP		No issues
11/16/08	11	Corporate Center Dr.	325	100	45.87	8	VCP		No issues
11/16/08	11	Corporate Center Dr.	1100	800	300.22	8	VCP		No issues
11/16/08	11	Corporate Center Dr.	800	500	302.6	8	VCP	1, 5, 6	Failed pipe joint and offset at Sta. 275 - Spot repair candidate.
11/16/08	11	Corporate Center Dr.	500	358	141.27	8	VCP		No issues
11/16/08	11	Corporate Center Dr.	358	151	78.13	8	VCP	1	Blockage abandoned CCTV
11/16/08	11	Corporate Center Dr.	151	358	127.57	8	VCP	1	reverse of previous
11/16/08	11	Corporate Center Dr.	151	100	49.94	8	VCP	3	
11/16/08	11	Corporate Center Dr.	747	420	330.6	8	VCP	1, 2, 3, 4	Cracked pipe at Sta 689 - Spot repair candidate
11/16/08	11	Corporate Center Dr.	420	100	320.67	8	VCP	1	

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Date	Tape ID	Street Location	From MH	To MH	Length	Diameter	Pipe Material	Identified Issue	Notes
11/21/08	17	Garvey Ave.	3321	3052	272.62	8	VCP	1	
11/21/08	17	Garvey Ave.	3052	2890	160.53	8	VCP	1	
11/21/08	17	Garvey Ave.	3565	3321	32.07	8	VCP	1	blockage abandoned CCTV
11/21/08	17	Garvey Ave.	3321	3565	213.94	8	VCP	1	reverse of previous
11/21/08	17	Garvey Ave.	2890	2719	174.23	8	VCP	3, 5	Failed pipe at MH for two segments - Spot repair candidate
11/21/08	17	Garvey Ave.	2719	2673	45.27	8	VCP		No issues
11/21/08	17	Garvey Ave.	2673	2477	197.56	8	VCP		No issues
11/21/08	17	Garvey Ave.	2477	2160	318.88	8	VCP		No issues
11/21/08	17	Garvey Ave.	2160	1931	231.81	8	VCP	1	
11/30/08	12	Garvey Ave.	1930	1711	15.19	8	VCP	1, 5	Metallic bar through pipe wall - Spot repair candidate
11/30/08	12	Garvey Ave.	1711	1488	226.95	8	VCP	1	
11/30/08	12	Garvey Ave.	1488	1116	374.58	8	VCP	1	
11/30/08	12	Garvey Ave.	1116	850	269.64	8	VCP	1, 2	
11/30/08	12	Garvey Ave.	850	595	218.02	8	VCP	5	Cracked pipe segment at Sta 5, debris in flow line which looks like a pipe piece - Spot repair candidate
11/30/08	12	Garvey Ave.	595	331	256.67	8	VCP	2	
11/30/08	12	Garvey Ave.	331	54	69.11	8	VCP		No issues
11/30/08	12	Garvey Ave.	54	13	277.78	8	VCP		No issues
11/30/08	12	Garvey Ave.	1711	1931	203.72	8	VCP	1, 2	Metallic bar through pipe wall - Spot repair candidate
11/30/08	12	Garvey Ave.	595	850	19.16	8	VCP		No issues
11/30/08	12	Garvey Ave.	6970	7193	223.67	8	RCP		CIPP candidate because of concrete pipe
11/30/08	12	Garvey Ave.	6970	6749	223.18	8	RCP		CIPP candidate because of concrete pipe
11/30/08	12	Garvey Ave.	6749	6305	438.71	8	RCP	1, 2, 5	Cracked pipe segment at Sta 2, 7, failed pipe at 10, 13, 38, multiple locations, heavy corrosion evidence, CIPP candidate
12/07/08	13	Garvey Ave.	6305	5830	93.22	8	RCP	1	CIPP candidate because of concrete pipe
12/07/08	13	Garvey Ave.	5830	5355	478.82	8	RCP	1, 5	CIPP candidate because of concrete pipe
12/07/08	13	Garvey Ave.	5355	4880	136.51	12	RCP	1, 3	CIPP candidate because of concrete pipe
12/07/08	13	Garvey Ave.	4880	5385A	337.05	12	RCP	1	CIPP candidate because of concrete pipe
12/07/08	13	Garvey Ave.	4880	4435	483.39	12	RCP	4	CIPP candidate because of concrete pipe
12/07/08	13	Garvey Ave.	4435	4093	309.65	12	RCP	1	CIPP candidate because of concrete pipe
12/07/08	13	Garvey Ave.	4093	3793	300.81	12	RCP	1, 5	CIPP candidate because of concrete pipe
12/07/08	13	Garvey Ave.	3793	3489	304.29	12	RCP	5	CIPP candidate because of concrete pipe

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Date	Tape ID	Street Location	From MH	To MH	Length	Diameter	Pipe Material	Identified Issue	Notes
12/08/08	14	Garvey Ave.	3489	3186	306.17	12	RCP	1, 4	CIPP candidate because of concrete pipe
12/08/08	14	Garvey Ave.	3186	2885	301.71	12	RCP	1, 2	CIPP candidate because of concrete pipe
12/08/08	14	Garvey Ave.	2885	2579	309.45	12	RCP	1	Debris in pipe - CIPP candidate because of concrete pipe
12/08/08	14	Garvey Ave.	2138	2579A	392.74	15	RCP	1, 2	Debris in pipe - CIPP candidate because of concrete pipe
12/08/08	14	Garvey Ave.	2138	1754	387.68	15	RCP	2	CIPP candidate because of concrete pipe
12/08/08	14	Garvey Ave.	1754	1424	38.92	15	RCP	2	Blockage abandoned CCTV - CIPP candidate because of concrete pipe
12/08/08	14	Garvey Ave.	1424	1754	291.48	15	RCP	2	reverse of previous - CIPP candidate because of concrete pipe
12/08/08	14	Garvey Ave.	1424	1075	352.93	15	RCP	2	CIPP candidate because of concrete pipe
12/08/08	14	Garvey Ave.	1075	699	377.95	15	RCP	2, 5	Cracked pipe at 15, 108, 342 - CIPP candidate due to concrete pipe
12/29/08	14	New Ave.	1297	1317	16.38	8	VCP		no issues
12/29/08	14	New Ave.	20	40	20.05	12	VCP		no issues
12/29/08	14	New Ave.	0	20	19.36	12	VCP		no issues
12/29/08	14	Garvey Ave.	699	323	383.11	15	RCP	2	CIPP candidate because of concrete pipe
12/29/08	14	Garvey Ave.	323	22	382.62	15	RCP	1	Debris in pipe - CIPP candidate because of concrete pipe
12/29/08	14	Garvey Ave.	7193	7500	33.56	10	VCP	1	Abandoned inspection no reverse
12/29/08	14	Potrero Grande Dr.	3536	3186	353.33	10	VCP	3, 5	Failed pipe at Sta 297 - Spot repair candidate
12/29/08	14	Potrero Grande Dr.	3186	3010	180.98	10	VCP		No issues
12/29/08	14	Potrero Grande Dr.	3010	2726	231.32	15	VCP	1	
12/29/08	14	Potrero Grande Dr.	2726	3010	50.33	15	VCP	1	
12/30/08	15	Garvey Ave.	13	7500	6	10	VCP	1	Blockage abandoned CCTV
12/30/08	15	Garvey Ave.	7500	13	0	10	VCP	1	reverse of previous
12/30/08	15	Pomona Blvd.	2726	2450	273.71	15	VCP	1	
12/30/08	15	Pomona Blvd.	2450	2219	234.5	15	VCP		No issues
12/30/08	16	Pomona Blvd.	2219	1872	353.13	15	VCP	3	
12/30/08	16	Pomona Blvd.	1872	1585	271.43	15	VCP	1	
12/30/08	16	Pomona Blvd.	1585	1534	52.52	15	VCP	1	Debris in pipe
12/30/08	16	Pomona Blvd.	1534	1520	13.3	15	VCP	1	Abandoned inspection no reverse
12/30/08	16	Pomona Blvd.	1472	1520	47.75	15	VCP	1	Debris in pipe
12/30/08	16	Pomona Blvd.	1472	1254	219.01	15	VCP		No issues
12/30/08	16	Pomona Blvd.	1254	1007	232.31	15	VCP	1, 3	Debris in pipe - Abandoned CCTV
12/30/08	16	Pomona Blvd.	1007	1254	12.71	15	VCP	1	Debris in pipe

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Date	Tape ID	Street Location	From MH	To MH	Length	Diameter	Pipe Material	Identified Issue	Notes
12/30/08	16	Pomona Blvd.	1007	687	322.75	15	VCP	4	Cracked pipe at Sta 5 - Spot repair candidate
12/30/08	16	Pomona Blvd.	687	367	325.24	15	VCP	4	Cracked pipe at Sta 5 - Spot repair candidate
12/30/08	16	Pomona Blvd.	367	64	302.6	15	VCP	1	
12/30/08	16	Pomona Blvd.	64	7	64.83	15	VCP		No issues
			Total Length (ft)		**43000.49**		**8.14**	**Miles**	
					2011				
08/01/11		Garfield Ave.	436	DSMH	539.81	8	VCP	2, 5, 6	Joint offset at Sta 261, crack at Sta 268 at MH, failed pipe at 432, heavy roots at all joints, defective lateral connection at Sta 466 - spot repair CIPP may help roots
08/01/11		Garfield Ave.	436	USMH	76.02	8	VCP	2	Blockage abandoned CCTV
08/01/11		South St.	220	117	434.44	8	VCP	1, 2	
08/01/11		South St.	220	250	200.7	8	VCP		No issues
08/01/11		South St.	328	350	393.14	8	VCP	2, 4	Cracked pipe at Sta 6 - Spot repair candidate
08/01/11		South St.	328	Harding	330.65	8	VCP	2	
08/01/11		De La Fuente	Harding	308	54.13	8	VCP	7	Blockage (metal pipe through wall) abandoned CCTV - Spot repair candidate
08/01/11		De La Fuente	Harding	631	676.53	8	RCP	7	Pipe missing at Sta. 159 - Spot repair and CIPP entire pipe because concrete pipe
08/01/11		De La Fuente	631	630	221.3	8	RCP	2	CIPP because of concrete pipe
08/01/11		Atlantic Blvd.	Atl	Mabel	212.74	8	RCP	2	Blockage abandoned CCTV - CIPP because of concrete pipe
08/01/11		Atlantic Blvd.	631	829	1055.15	8	VCP	2, 6	Offset at Sta 154 - Spot repair candidate
08/01/11		Atlantic Blvd.	sevilla	cadiz	900.91	8	VCP	2, 4, 5, 7	Cracked joint at Sta 10, offset at 18, cracked pipe at 177, 204, 206, 640 (MH), failed pipe at 188, 199, 900 - CIPP candidate
08/01/11		Atlantic Blvd.	cadiz	sevilla	136.72	8	VCP		Reverse of previous. Failed pipe missing at Sta 136 - spot repair and CIPP candidate
08/01/11		Garfield Ave.	500	436	270.55	8	VCP	1, 2, 5	Failed pipe and lateral connection at Sta 28, 66 - Spot repair candidate
08/01/11		Garfield Ave.	500	graves	457.02	8	VCP	2	
08/01/11		Atlantic Blvd.	122	404	874.55	8	VCP	2, 5, 6	Cracked joint at Sta 245, 263, 302, cracked pipe at Sta 318, 443, 659, 673, pipe failure at 551, 575, 582 (three segments), 598 (three segments), 610, offset at 618, full pipe at 840 - CIPP candidate
08/01/11		Atlantic Blvd.	404	Harding	803.3	8	VCP	4	

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CCTV Review Sheet

Date	Tape ID	Street Location	From MH	To MH	Length	Diameter	Pipe Material	Identified Issue	Notes
08/03/11		El Portal	alley	atlantic	129.85	8	VCP	1, 2	
08/03/11		Garvey Ave.	mont pass	atlantic	29.15	8	VCP	1, 7	Abandoned CCTV no reversal - debris
08/03/11		Garvey Ave.	Atl	mont pass	1355.85	8	VCP	1, 5	Grease encrustation throughout, cracked pipe at Sta 615 (MH), pipe failure at 620 (MH), hole at Sta 690, 835 (MH) - Spot repair candidate
08/03/11		Garvey Ave.	mont pass	mont pass	24.78	8	VCP	1	Abandoned CCTV no reversal
08/04/11		Garvey Ave.	garvey	atlantic	1051.66	8	VCP	4	Cracked pipe at Sta 409 - Spot repair candidate
08/04/11		Garfield Alley	garfield	elmgate	174.53	8	VCP	2, 4	Cracked pipe joint at Sta. 2, 4, 47, 59, 111 pipe segment cracked 56, pipe failure at 139, 147 - CIPP candidate
08/04/11		Garfield Alley	marguerita	atlantic	790.07	8	VCP	1, 2, 4	Pipe joint cracked at Sta 559, 562 - Spot repair candidate
08/05/11		Mabel	0	mabel	250.75	8	VCP	1	Blockage abandoned CCTV
08/05/11		Mabel	mabel	mont pass	969.57	8	VCP	1, 4	Reverse of previous - Cracked pipe at Sta 927 - Spot repair candidate
08/08/11		Newmark	marguerita	newmark	300.01	8	VCP	4	Cracked pipe at Sta 298 - Spot repair candidate
08/08/11		Newmark	newmark	garvey	516.73	8	VCP	1, 2, 4	Blockage abandoned CCTV - Cracked pipe at Sta 298, 333 - Spot repair candidate
08/08/11		Newmark	garvey	newmark	107.96	8	VCP	1	reverse of previous
08/08/11		Newlee	newlee	Mabel	399.41	8	VCP		No issues
08/08/11		Knoll	knoll	Mabel	285.08	8	VCP		No issues
08/08/11		Newmark	newmark	garvey	677.83	8	VCP	1, 2	Abandoned CCTV no reversal
08/08/11		Whitney Pl	whitney	whitney	250.06	8	VCP	5	Pipe joint cracked at Sta 11, 56, 64, 140, 149, 155, 179, pipe and lateral cracked 135, 146, 221 failed pipe segment (two segments) at 211 and 241 - CIPP candidate
08/08/11		Whitney St.	whitney	electric	600.21	8	VCP	5, 7	Cracked pipe joint at Sta 14, 67, 489 (mh) failed pipe segment at 136, 252, 427- spot repair candidate monitor crack locations
08/18/11		Electric	electric	garvey	805.09	8	VCP	5	Failed pipe and lateral connection at Sta. 85, Abandoned CCTV no reversal (15 feet from MH) - Spot repair candidate
		Newmark	newmark	garvey	547.37	8	VCP	2, 4	Blockage abandoned CCTV - debris - Cracked pipe at Sta 17, 342, 536 - Spot repair candidate
		Newmark	garvey	newmark	152.54	8	VCP		Reverse of previous
08/19/11		Newmark	newmark	garvey	52.64	8	VCP	1	Abandoned CCTV no reversal

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Date	Tape ID	Street Location	From MH	To MH	Length	Diameter	Pipe Material	Identified Issue	Notes
08/19/11		Branham	branham	newmark	860.81	8	VCP	5	Cracked pipe and lateral connection at Sta 45, failed lateral connection at 299, 313, cracked pipe joint at 409, 715 -Spot repair candidate
08/19/11		Branham	branham	newmark	118.91	8	VCP	4	
08/19/11		Branham	branham	newmark	210.25	8	VCP		No issues
08/19/11		Hellman	Chandler	atlantic	649.67	8	VCP	1, 5, 7	Abandoned CCTV no reversal - Failed pipe at 481, 488, 498, 617 Offset joint at 649 - Spot repair candidate
08/19/11		Hellman	Chandler	baltimore	1420.03	8	VCP	1	
08/19/11		Hellman	mcpherrin	baltimore	291.05	8	VCP	1	Blockage abandoned CCTV
08/19/11		Hellman	baltimore	mcpherrin	52.04	8	VCP	1	reverse of previous
08/19/11		Hellman	hellman	baltimore	541.5	8	VCP	6	Offset lateral connection pipe at 137 - spot repair candidate
08/24/11		Emerson	emerson	alhambra	465.88	8	VCP	2	
08/24/11		Emerson	emerson	lincoln	161.89	8	VCP	1	Abandoned CCTV no reversal
08/24/11		Emerson	emerson	alhambra	248.66	8	VCP	2	
08/24/11		Emerson	emerson	nicholson	239.21	8	VCP	4	Cracked pipe at Sta 194 - Spot repair candidate
08/24/11		Emerson	emerson	alhambra	221	8	VCP	2, 4	Cracked pipe at Sta 8 - Spot repair candidate
08/24/11		Hathaway	516	620	568.87	8	VCP	7	Protruding lateral
08/24/11		Hathaway	516	atlantic	424.69	8	VCP	2	
09/14/11		New Ave.	223	439	308.66	8	VCP	1, 4	Cracked pipe at Sta 57, 108, 176, 186 - Spot repair candidate
09/14/11		Pomelo	529	USMH	443.59	8	VCP	2	Abandoned CCTV no reversal
09/14/11		Pomelo	601	USMH	250.85	8	VCP	4	Abandoned CCTV no reversal (protruding lateral) - Cracked pipe at Sta 249 - Spot repair candidate
09/14/11		El Mercado Alley	601	el mercado	364.78	8	RCP	7	Pipe missing abandoned CCTV - Pipe incorrectly identified as VCP on tape. Missing/failed pipe from Sta 15 to 30 soil visible entire reach (two total) failed pipe due to corrosion - Replacement candidate
09/14/11		El Mercado Alley	el portal	601	267.77	8	RCP	1	Debris abandoned CCTV - CIPP candidate due to concrete pipe

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Date	Tape ID	Street Location	From MH	To MH	Length	Diameter	Pipe Material	Identified Issue	Notes
09/15/11		De La Fuente	737	kingsford	517.13	8	RCP	5	Incorrectly identified as VCP. It is concrete pipe. Failed pipe at MH Sta 2 (two segments), 11 (two segments), 23 (two segments), 32 (two segments), 48 (two segments), 57 (three segments), 72 (two segments), 92 (two segments), 102 (two segments), 114 (two segments), 124 (four segments), 203 (five segments), 237 (three segments) failed/partially collapsed pipe at 306, failed pipe at 366 (two segments), 390 (six segments), 473, 494, 512 - CIPP candidate
09/20/11		Divina Vista	851	933	538.22	8	VCP	2, 5	Abandoned CCTV no reversal - failed pipe at Sta 2, 11, 61 (MH), lateral connection joint offset at Sta 257, pipe joint failure at 330, 338 - Spot repair candidate
09/20/11		Divina Vista	851	847	78.71	8	VCP	4	Cracked pipe at Sta 3 - Spot repair candidate
09/20/11		Divina Vista	851	mira valle	104.18	8	VCP	5	Failed pipe at Sta 3 (MH), 17 (two segments), 25, 99 - Spot repair candidate
09/20/11		Divina Vista	927	933	138.01	8	VCP	7	Failed pipe joint at Sta 125, collapsed pipe at Sta 137 - Spot repair candidate
09/20/11		De La Fuente Easement	344	314	291.95	8	VCP	2, 5	Abandoned CCTV no reversal - Multiple joint offsets throughout, pipe failure at Sta 159 (MH) - CIPP candidate
09/20/11		De La Fuente Easement	344	Harding	279.81	8	VCP	2, 5, 6	Blockage abandoned CCTV - Offset at Sta 2, Failed pipe at 156 and 163, - CIPP candidate (roots)
09/20/11		De La Fuente Easement	Harding	344	507.47	8	VCP	2, 5, 6	Reverse of previous - Drilled bar through pipe wall at Sta 55, offset at 280 - CIPP candidate
09/22/11		New Ave.	319	439	560.61	8	VCP	1, 4	Abandoned CCTV no reversal blockage - Cracked pipe at Sta 30, 324 - Spot repair candidate
09/22/11		Baltimore Ave.	hampton	hellman	418.02	8	VCP	5,7	Failed pipe at Sta 8, 11, 42, 49, 55, 356 (hole) - Spot repair candidate/CIPP candidate
09/22/11		Baltimore Ave.	hampton	emerson	885.19	8	VCP	5	Failed pipe at Sta 7, cracked joint at 35, 41, 63, 79, 97, 133, 208, 242, 267, 432 - CIPP candidate
09/22/11		Kingsford	729	harding	927.98	8	VCP	5, 7	Hole at Sta 2, offset at 3, cracked pipe segment at 232 - Spot repair, monitor crack

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Date	Tape ID	Street Location	From MH	To MH	Length	Diameter	Pipe Material	Identified Issue	Notes
09/22/11		Harding	kingsford	503	159.61	8	VCP		No issues
09/26/11		Garfield Ave.	ramona	newmark	1190.08	8	VCP	2, 5, 6	Cracked pipe joint at 270, 620, 924 failed lateral connection at 459, failed pipe 747, 777, offset joint at 934 - CIPP candidate
09/26/11		Hermosa Vista	470	cadiz	331.95	8	VCP	3	
09/26/11		Hermosa Vista	470	410	199.01	8	lined VCP	6	abandoned CCTV blockage - offset in liner
09/26/11		Hermosa Vista	470	kingsford	139.21	8	VCP		No issues
09/26/11		Hermosa Vista	606	610	122.59	8	VCP	2	
09/26/11		Hermosa Vista	606	kingsford	1102.31	8	VCP	2, 5	Failed pipe at Sta 64 (two segments), cracked pipe joint at 175 - Spot repair candidate
09/26/11		De La Fuente	sevilla	cadiz	1207.09	8	VCP	2, 5	Failed pipe at Sta 4, 528, 1011 cracked pipe joint at 394, 457, 969, 987, 1125, 1149 - Spot repair candidate/CIPP to control roots
09/26/11		Cadiz	delafuente	alley	201	8	VCP	1	
09/26/11		De La Fuente	el portal	cadiz	576.63	8	RCP	2, 5	Pipe incorrectly identified as VCP. Failed lateral connection at Sta 75, failed pipe at 94, 101, 121, 130, 155, 194,209 (six segments), 236 (three segments), almost every segment cracked or showing signs of corrosion failure -CIPP candidate
09/26/11		De La Fuente	el portal	Harding	690.06	8	RCP	2, 5	Multiple failed pipe segments and signs of corrosion. Blockage abandoned CCTV - CIPP candidate
09/26/11		De La Fuente	Harding	el portal	99.11	8	RCP	5	Reverse of previous - Multiple failed pipe segments and signs of corrosion - CIPP candidate
09/28/11		Coral View St.	bloom	fulton	586.88	8	VCP	4	Failed pipe joint at Sta 4, 348, 359, 363, 491, 521, 581 - CIPP candidate
			Total Length (ft)		**37071.72**		**7.02**	**Miles**	

Grease	1
Roots	2
Sag	3
Cracks (light)	4
Cracks (fail)	5
Offset joints	6
Holes	7

Appendix K

Internal Audit Checklist

Chapter 1 SSMP Goals and Introduction				
Section Number	Description	Yes	No	Comment
1.1.1	Does the Introduction section provide a general description the local sewer system management program?			
1.1.2	Does the Introduction section provide a general description of SSMP implementation?			
1.1.3	Does the Introduction section provide a general description of SSMP updates?			
1.2	Does the Introduction section include a schedule for:			
	SSMP updates?			
	internal audits?			
	milestones for spill prevention activities?			
1.3	Does the Introduction section provide a description of:			
	location?			
	service area boundary?			
	population and community served?			
	system size?			
	structures diverting stormwater to sewer system?			
	data management systems?			
	sewer system ownership?			
	estimated number of connections?			
	service boundary conditions?			

Chapter 2 Organization				
Section Number	Description	Yes	No	Comment
2.1	Is the name of the legally responsible official provided?			
2.2	Are the organizational lines of authority provided?			
2.3	Are the positions responsible for SSMP implementation presented with:			
	position titles?			
	telephone numbers?			
	email addresses?			
2.4	Is the chain of communication for reporting spills provided?			

Chapter 3 Legal Authority				
Section Number	Description	Yes	No	Comment
3.1	Is the illicit discharges ordinance cited?			
3.2	Is the storm sewer agency coordination plan cited?			N/A
3.3	Is legal authority to oversee design and construction cited?			
3.4	Is legal authority for maintenance, inspecting and repair access cited?			
3.5	Is legal authority for enforcement of violations cited?			
3.6	Is legal authority for acquisition of easements cited?			

Chapter 4 Operation and Maintenance Program				
Section Number	Description	Yes	No	Comment
4.1.1	Is the Sanitary Sewer System map up to date?			
4.1.2	Does the State Board and Regional Board have access to the map?			
4.2	Does the operation and maintenance program scheduling system include:			
	inspection activities?			
	maintenance activities?			
	higher-frequency inspection and maintenance of known problem areas?			
	regular visual inspections of manholes?			
	regular CCTV inspections of sewer pipes?			
	Is inspection and maintenance data documented?			
4.3	Does the operations and maintenance training cover:			
	requirements of the General Order?			
	Spill Emergency Response Plan procedures and practice drills?			
	estimation of spill volume for field operators?			
	electronic CIWQS reporting procedures?			
4.4	Is an inventory of sewer system equipment provided?			

Chapter 5 Design and Performance Provisions				
Section Number	Description	Yes	No	Comment
5.1.1	Are design criteria provided?			
5.1.2	Are constructions standards and specifications provided or cited?			
5.2	Are procedures and standards for inspection and testing of new infrastructure and equipment provided?			

Chapter 6 Spill Emergency Response Plan (SERP)				
Section Number	Description	Yes	No	Comment
6.1	Does SERP include procedures to notify first responders, local officials, regulatory agencies, affected entities of a spill?			
6.2	Does SERP include procedures for staff training?			
6.3	Does SERP include procedures to contain a spill?			
6.4	Does SERP include procedures to prevent discharge to drainage?			
6.5	Does SERP include procedures to minimize and remediate health			
6.6	Does SERP include procedures to remove sewage from drainage system?			
6.7	Does SERP include procedures to clean up the spill area?			
6.8	Does SERP include procedures to expedite spill containment and			
6.9	Does SERP include procedures to coordinate with stormdrain agencies and other utilities?			
6.10	Does SERP include procedures for post-spill assessment?			
6.11	Does SERP include procedures for spill event documentation and reporting?			
6.12	Does SERP include procedures for annual review and assessment of SERP effectiveness?			

Chapter 7 Sewer Blockage Control Program (SBCP)				
Section Number	Description	Yes	No	Comment
7.1	Does SBCP include a public outreach implementation plan and schedule?			
7.2	Does SBCP include procedures for disposal of pipe-blocking substances?			
7.3	Is legal authority to prohibit discharges cited?			
7.4	Does SBCP identify measures to prevent spills and blockages?			
7.5	Does SBCP include:			
	requirements to install grease removal devices?			
	design standards for grease removal devices?			
	maintenance requirements for grease removal devices?			
	grease removal devices best management practices?			
	recordkeeping and reporting requirements for grease removal devices?			
7.6	Is legal authority to inspect grease producing facilities cited?			
	Is legal authority to enforce the FOG ordinance cited?			
	Is there sufficient staffing to inspect grease producing facilities and enforce the FOG ordinance?			
7.7	Does SBCP include:			
	identification of known areas subject to blockage?			
	a schedule for cleaning these areas?			
7.7	Does SBCP include source control measures for these areas?			

Chapter 8 System Evaluation, Capacity Assurance and Capital Improvements				
Section Number	Description	Yes	No	Comment
8.1	Does SECAP include:			
8.1.1	evaluation and cycle for sewer system assets?			
8.1.2	assessment prioritization?			
8.1.3	procedures for visual inspection of manholes?			
8.1.4	procedures for CCTV inspection of pipes?			
8.1.5	procedures for documentation recordkeeping?			
8.1.6	impacts of climate change?			
8.2	Does SECAP include:			
8.2.1	Hydraulic Capacity Requirements?			
8.2.2	Hydraulic Capacity Assessment?			
8.3	Does SECAP prioritize corrective action?			
8.4	Does CIP include:			
8.4.1	implementation schedule?			
8.4.2	project funding sources?			
8.4.3	project coordination?			

Chapter 9 Monitoring, Measurement and Program Modifications				
Section Number	Description	Yes	No	Comment
9.1	Does the SSMP include methods to maintain relevant information?			
9.2	Does the SSMP include methods for monitoring and measuring the effectiveness of each plan element?			
9.3	Does the SSMP include methods for assessing the effectiveness of preventative maintenance?			
9.4	Does the SSMP include methods for updating procedures and activities?			
9.5	Does the SSMP include methods for identifying and illustrating spill			

Chapter 10 Internal Audits				
Section Number	Description	Yes	No	Comment
10	Does the SSMP include internal audit procedures including:			
10.1	Application of Internal Audit Checklist			
10.2	Sewer System Operator Involvement			
10.3	Effectiveness in Preventing Spills			
10.4	Compliance with the General Order			
10.5	Deficiencies in Addressing Ongoing Spills and Discharges			
10.6	Modifications to Correct Deficiencies			
10.7	Submittal to CIWQS			

Chapter 11 Communication Program				
Section Number	Description	Yes	No	Comment
11.1	Does the communication program include public outreach procedures for:			
11.1.1	Notice of spills and discharges			
11.1.2	Input on SSMP development and implementation			
11.2	Does the communication program include stakeholder outreach procedures for system operation, maintenance, and capital improvement activities			

Appendix L

Internal Checklist Application

Chapter 1 SSMP Goals and Introduction				
Section Number	Description	Yes	No	Comment
1.1.1	Does the Introduction section provide a general description the local sewer system management program?	x		
1.1.2	Does the Introduction section provide a general description of SSMP implementation?	x		
1.1.3	Does the Introduction section provide a general description of SSMP updates?	x		
1.2	Does the Introduction section include a schedule for:			
	SSMP updates?	x		
	internal audits?	x		
	milestones for spill prevention activities?	x		
1.3	Does the Introduction section provide a description of:			
	location?	x		
	service area boundary?	x		
	population and community served?	x		
	system size?	x		
	structures diverting stormwater to sewer system?	x		
	data management systems?	x		
	sewer system ownership?	x		
	estimated number of connections?	x		
	service boundary conditions?	x		

Chapter 2 Organization				
Section Number	Description	Yes	No	Comment
2.1	Is the name of the legally responsible official provided?	x		
2.2	Are the organizational lines of authority provided?	x		
2.3	Are the positions responsible for SSMP implementation presented with:			
	position titles?		x	City to provide upon request
	telephone numbers?		x	City to provide upon request
	email addresses?		x	City to provide upon request
2.4	Is the chain of communication for reporting spills provided?	x		

Chapter 3 Legal Authority				
Section Number	Description	Yes	No	Comment
3.1	Is the illicit discharges ordinance cited?	x		
3.2	Is the storm sewer agency coordination plan cited?			N/A
3.3	Is legal authority to oversee design and construction cited?	x		
3.4	Is legal authority for maintenance, inspecting and repair access cited?	x		
3.5	Is legal authority for enforcement of violations cited?	x		
3.6	Is legal authority for acquisition of easements cited?	x		

Chapter 4 Operation and Maintenance Program				
Section Number	Description	Yes	No	Comment
4.1.1	Is the Sanitary Sewer System map up to date?	x		
4.1.2	Does the State Board and Regional Board have access to the map?		x	To be updated by deadline
4.2	Does the operation and maintenance program scheduling system include:			
	inspection activities?	x		
	maintenance activities?	x		
	higher-frequency inspection and maintenance of known problem areas?	x		
	regular visual inspections of manholes?	x		
	regular CCTV inspections of sewer pipes?	x		
	Is inspection and maintenance data documented?	x		
4.3	Does the operations and maintenance training cover:			
	requirements of the General Order?	x		
	Spill Emergency Response Plan procedures and practice drills?	x		
	estimation of spill volume for field operators?	x		
	electronic CIWQS reporting procedures?	x		
4.4	Is an inventory of sewer system equipment provided?	x		

Chapter 5 Design and Performance Provisions				
Section Number	Description	Yes	No	Comment
5.1.1	Are design criteria provided?	x		
5.1.2	Are constructions standards and specifications provided or cited?	x		
5.2	Are procedures and standards for inspection and testing of new infrastructure and equipment provided?	x		

Chapter 6 Spill Emergency Response Plan (SERP)				
Section Number	Description	Yes	No	Comment
6.1	Does SERP include procedures to notify first responders, local officials, regulatory agencies, affected entities of a spill?	x		
6.2	Does SERP include procedures for staff training?	x		Train First Responders
6.3	Does SERP include procedures to contain a spill?	x		
6.4	Does SERP include procedures to prevent discharge to drainage?	x		Equip First Responder with Basic Spill Response Equipment
6.5	Does SERP include procedures to minimize and remediate health	x		
6.6	Does SERP include procedures to remove sewage from drainage system?	x		
6.7	Does SERP include procedures to clean up the spill area?	x		
6.8	Does SERP include procedures to expedite spill containment and	x		
6.9	Does SERP include procedures to coordinate with stormdrain agencies and other utilities?	x		
6.10	Does SERP include procedures for post-spill assessment?	x		
6.11	Does SERP include procedures for spill event documentation and reporting?	x		
6.12	Does SERP include procedures for annual review and assessment of SERP effectiveness?	x		

Chapter 7 Sewer Blockage Control Program (SBCP)				
Section Number	Description	Yes	No	Comment
7.1	Does SBCP include a public outreach implementation plan and schedule?	x		
7.2	Does SBCP include procedures for disposal of pipe-blocking substances?	x		Update FOG Inspection Procedures
7.3	Is legal authority to prohibit discharges cited?	x		
7.4	Does SBCP identify measures to prevent spills and blockages?	x		
7.5	Does SBCP include:			
	requirements to install grease removal devices?	x		
	design standards for grease removal devices?	x		Complete Draft Standards
	maintenance requirements for grease removal devices?	x		Update Building Plan Check
	grease removal devices best management practices?	x		Update Evaluation Procedures for New Restaurants
	recordkeeping and reporting requirements for grease removal devices?	x		
7.6	Is legal authority to inspect grease producing facilities cited?	x		
	Is legal authority to enforce the FOG ordinance cited?	x		
	Is there sufficient staffing to inspect grease producing facilities and enforce the FOG ordinance?	x		
7.7	Does SBCP include:			
	identification of known areas subject to blockage?	x		
	a schedule for cleaning these areas?	x		
7.7	Does SBCP include source control measures for these areas?	x		

Chapter 8 System Evaluation, Capacity Assurance and Capital Improvements				
Section Number	Description	Yes	No	Comment
8.1	Does SECAP include:			
8.1.1	evaluation and cycle for sewer system assets?	x		Update Sewer Master Plan
8.1.2	assessment prioritization?	x		
8.1.3	procedures for visual inspection of manholes?	x		
8.1.4	procedures for CCTV inspection of pipes?	x		
8.1.5	procedures for documentation recordkeeping?	x		
8.1.6	impacts of climate change?	x		
8.2	Does SECAP include:			
8.2.1	Hydraulic Capacity Requirements?	x		
8.2.2	Hydraulic Capacity Assessment?	x		Update Sewer Master Plan
8.3	Does SECAP prioritize corrective action?	x		
8.4	Does CIP include:			
8.4.1	implementation schedule?	x		
8.4.2	project funding sources?	x		
8.4.3	project coordination?	x		

Chapter 9 Monitoring, Measurement and Program Modifications				
Section Number	Description	Yes	No	Comment
9.1	Does the SSMP include methods to maintain relevant information?	x		
9.2	Does the SSMP include methods for monitoring and measuring the effectiveness of each plan element?	x		
9.3	Does the SSMP include methods for assessing the effectiveness of preventative maintenance?	x		
9.4	Does the SSMP include methods for updating procedures and activities?	x		
9.5	Does the SSMP include methods for identifying and illustrating spill	x		

Chapter 10 Internal Audits				
Section Number	Description	Yes	No	Comment
10	Does the SSMP include internal audit procedures including:			
10.1	Application of Internal Audit Checklist	x		
10.2	Sewer System Operator Involvement	x		
10.3	Effectiveness in Preventing Spills	x		
10.4	Compliance with the General Order	x		
10.5	Deficiencies in Addressing Ongoing Spills and Discharges	x		
10.6	Modifications to Correct Deficiencies	x		
10.7	Submittal to CIWQS	x		

Chapter 11 Communication Program				
Section Number	Description	Yes	No	Comment
11.1	Does the communication program include public outreach procedures for:			
11.1.1	Notice of spills and discharges	x		Verify Contact Information for Potentially Impacted Entities
11.1.2	Input on SSMP development and implementation	x		
11.2	Does the communication program include stakeholder outreach procedures for system operation, maintenance, and capital improvement activities	x		

Appendix M

Spill Emergency Response Plan Training

City of Monterey Park

Spill Emergency Response Plan Training



Presenter:

Anthony Herda, PE

July 27, 2023

carollo 90 YEARS

Agenda

- Purpose
- Role of First Responders
- Spill Emergency Response Plan Procedures
- Spill Response Flow Chart
  - » Determine Spill Category
  - » Notification
  - » Monitoring
  - » Reporting
- Internal Audit Checklist (time permitting)

01 Purpose

Purpose

- General Order 2022-0103-DWQ was approved in December
- The City's Sewer System Management Plan (SSMP) was updated
- The Spill Emergency Response Plan (SERP) was drafted
  - Notification, Monitoring and Reporting of spills must be compliant with the General Order
  - The SSMP includes tools to facilitate compliance
  - Today's training is a review of SERP and a demonstration of the tools included in the SSMP

- Tools
  - Flow Chart for Spill Response
  - Methods to Determine Spill Category
  - Data collection needs for Spill-Specific Monitoring
  - Templates for preparing Spill Reports

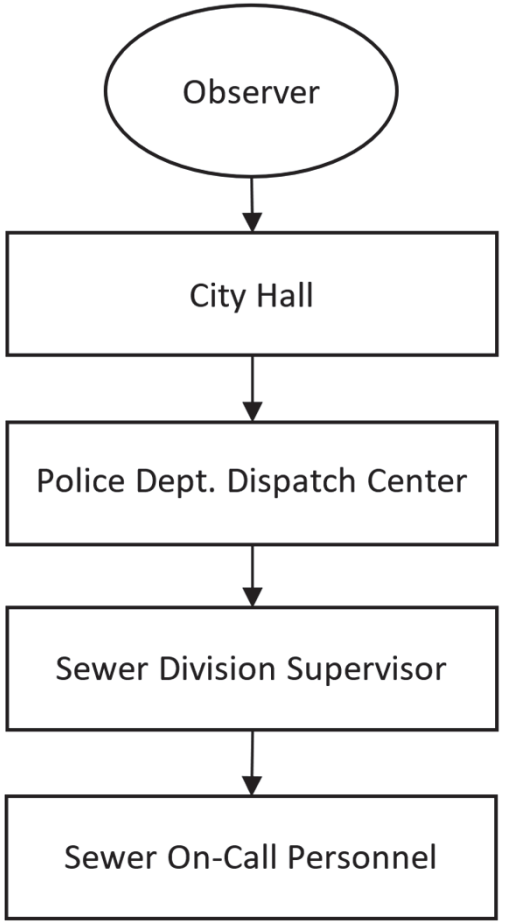
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Role of First Responders

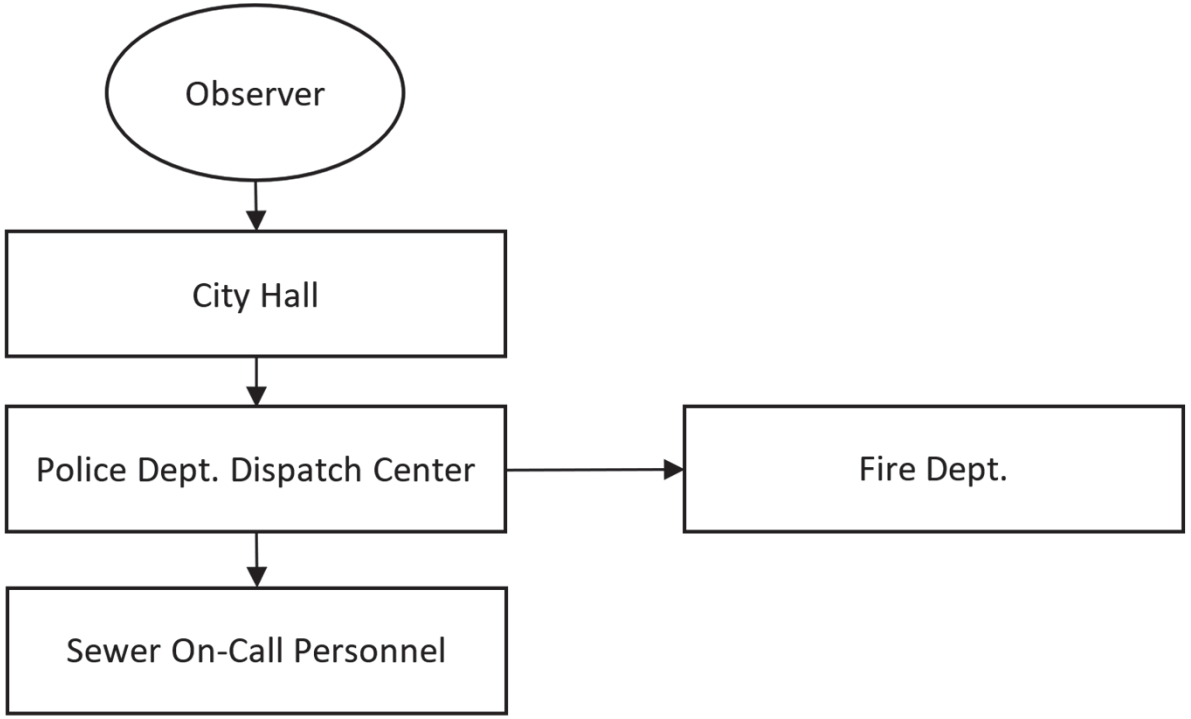
Role of First Responders

- Chain of Communication

- During Business Hours



- After Hours



Spill Prevention





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03

Spill Emergency Response Plan Procedures

Spill Emergency Response Plan Procedures

- What is the SERP?
  - Chapter 6 of the Sewer System Management Plan
- Procedures
  - On-Call Sewer Personnel Initial Response
  - Sewer Blockage
  - Sewage Removal from Stormdrain
  - Spill Area Clean Up
- Tools
  - Flow Chart
  - Report Template

Spill Emergency Response Plan Procedures

- On-Call Sewer Personnel Initial Response

- Upon arrival, the On-Call Sewer Personnel will:
  - Assess the site conditions
  - Record the date and time of the observed spill
  - Call additional personnel, if necessary
  - Call the Police Department if traffic control is needed
- If sewage is overflowing out of a manhole, the On-Call Sewer Personnel will use a pump to move the sewage from the overflowing manhole to a downstream manhole to reduce spillage onto the street or into a storm drain
- If sewage is entering a storm drain, the On-Call Sewer Personnel will:
  - Isolate, contain and dike the spill to prevent entrance into the storm drain
  - Identify and call affected storm drain entities
- If sewage is entering private property, the On-Call Sewer Personnel will:
  - Jet the line to remove the blockage
  - Call the Public Works Maintenance Supervisor, and the Public Works Maintenance Manager

Spill Emergency Response Plan Procedures

• Sewer Blockage

- Upon arrival, assess the site conditions and secure the area so that vehicles and foot traffic do not enter the work area or any contaminated areas.
- Start the documentation on the Draft Spill Report
- If no sewage is visible, check the main line sewer to determine if the blockage has occurred in the main line or on private property.
- If the blockage is in the main line, take appropriate action to eliminate the stoppage.
- If sewage is running out of the manhole:
    - Use the Combination Truck to remove sewage to prevent it from entering the storm water catch basin or construct a dam to prevent it from entering the storm water drainage system
    - Set up a trash pump at the manhole upstream from the blockage and run a hose to the manhole downstream from the blockage to prevent a spill.
    - If it is already entering a storm water catch basin.
    - Once the trash pump has been set up, use the Combination Truck to eliminate the blockage.
- If the blockage is on private property, inform the resident or property owner.
- If the blockage is on the private property of a restaurant, such as a grease interceptor, call Code Enforcement to shut down all water usage.
- If there is any damage to private property (such as a release into a residence) call the Sanitation Supervisor and the Maintenance Manager immediately. Document the incident on the Draft Spill Report and take pictures of the damage, if possible.

Spill Emergency Response Plan Procedures

- Sewage Removal from Stormdrain

1. Park the truck as close to the storm drain as possible.
2. Clear the site of people and obstacles and inspect for any hazards that could obstruct operations.
3. Secure the truck in its parked position using wheel chocks or another stabilizing method.
4. Connect the vacuum hose to the tank and lay it out until it reaches the spill. Inspect the hose to make sure it’s in good condition and that its connections will lock properly.
5. If necessary, uncover the storm drain by removing any access covers.
6. Turn on the pump engine.
7. Increase the vacuum's suction level by keeping its valve closed, lower the suction end into the area to be emptied, then open the valve once it's reached optimal suction levels.
8. Occasionally closing the valve throughout the process can help rebuild the vacuum’s suction strength.
9. You can simultaneously water the area and vacuum the spill to efficiently remove waste from the spot you need to clean.
10. After you’ve finished using the vacuum truck, secure the tank lid and carefully pack away the hoses.

Spill Emergency Response Plan Procedures

- Spill Area Clean Up

- Containment:
  - Placing vinyl sheet, vinyl liner material, or other impervious mats over storm drain inlets
  - Creating barriers around inlets
  - Creating diversions or swales away from inlets.
  - Deploying absorbent booms or pads or other spill control means to prevent spills from entering storm systems.
- Small spills:
  - Use a rag, damp cloth or absorbent materials for general cleanup of liquids
  - Use brooms or shovels for the general cleanup of dry materials
  - If water is used, it must be collected and properly disposed of
  - Dispose of any waste materials properly
  - Dispose of any equipment used to clean-up the spill properly
- Large spills:
  - Use absorbent materials for general cleanup of liquids
  - Use brooms, shovels or backhoe for the general cleanup of dry materials
  - If water is used, it must be collected and properly disposed of
  - Dispose of any waste materials properly
  - Dispose of any equipment used to clean-up the spill properly

04

Spill Response Flow Chart

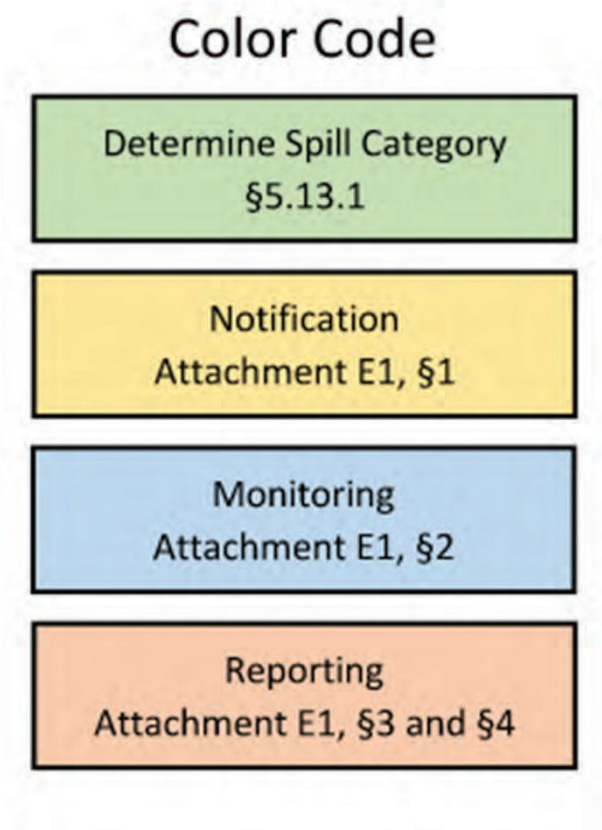
Spill Response Flow Chart

Step 1: Determine Spill Category

Step 2: Notify Appropriate Agencies and Impacted Stakeholders

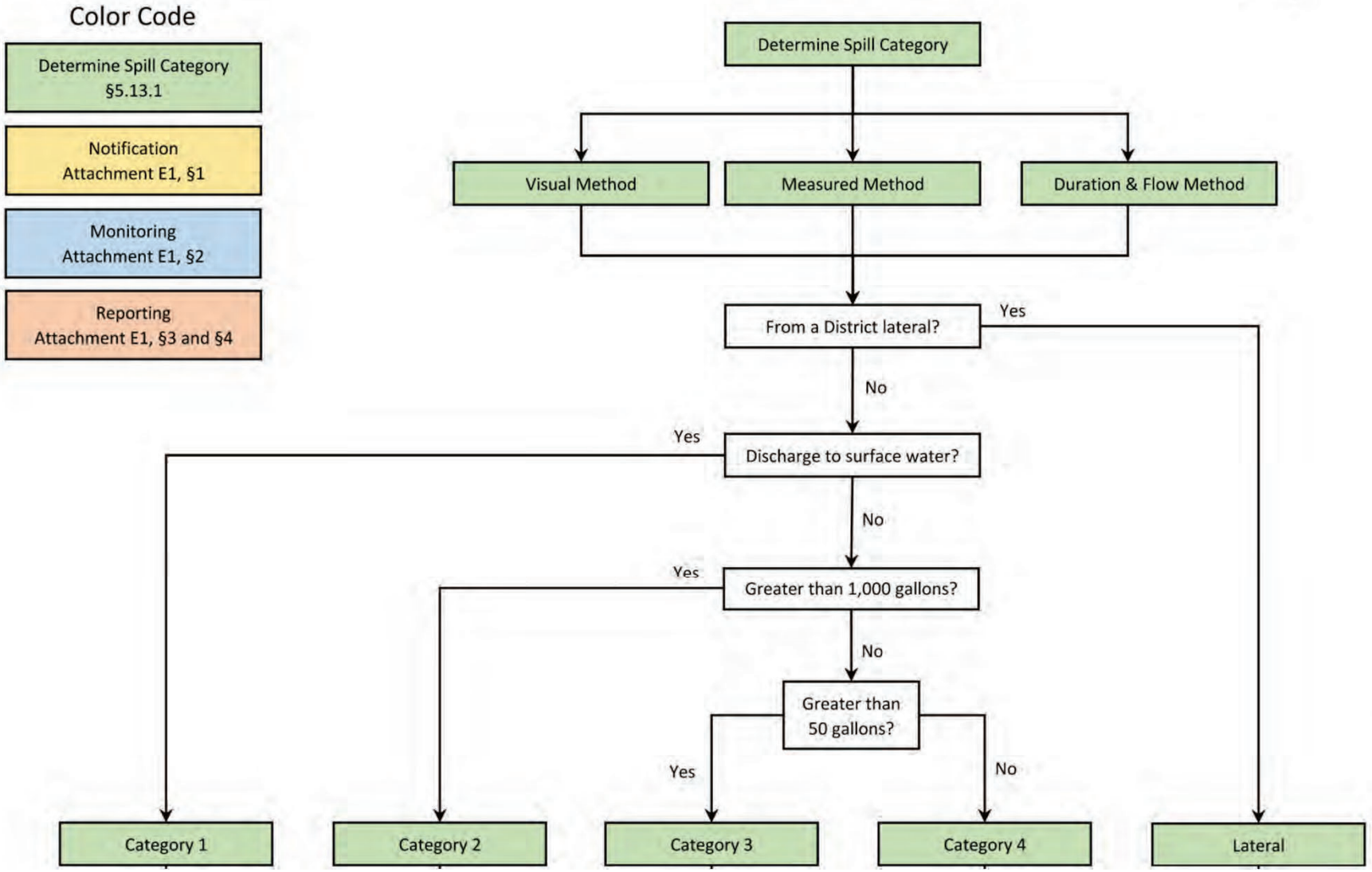
Step 3: Monitor Cleanup

Step 4: Report to the State



Spill Response Flow Chart

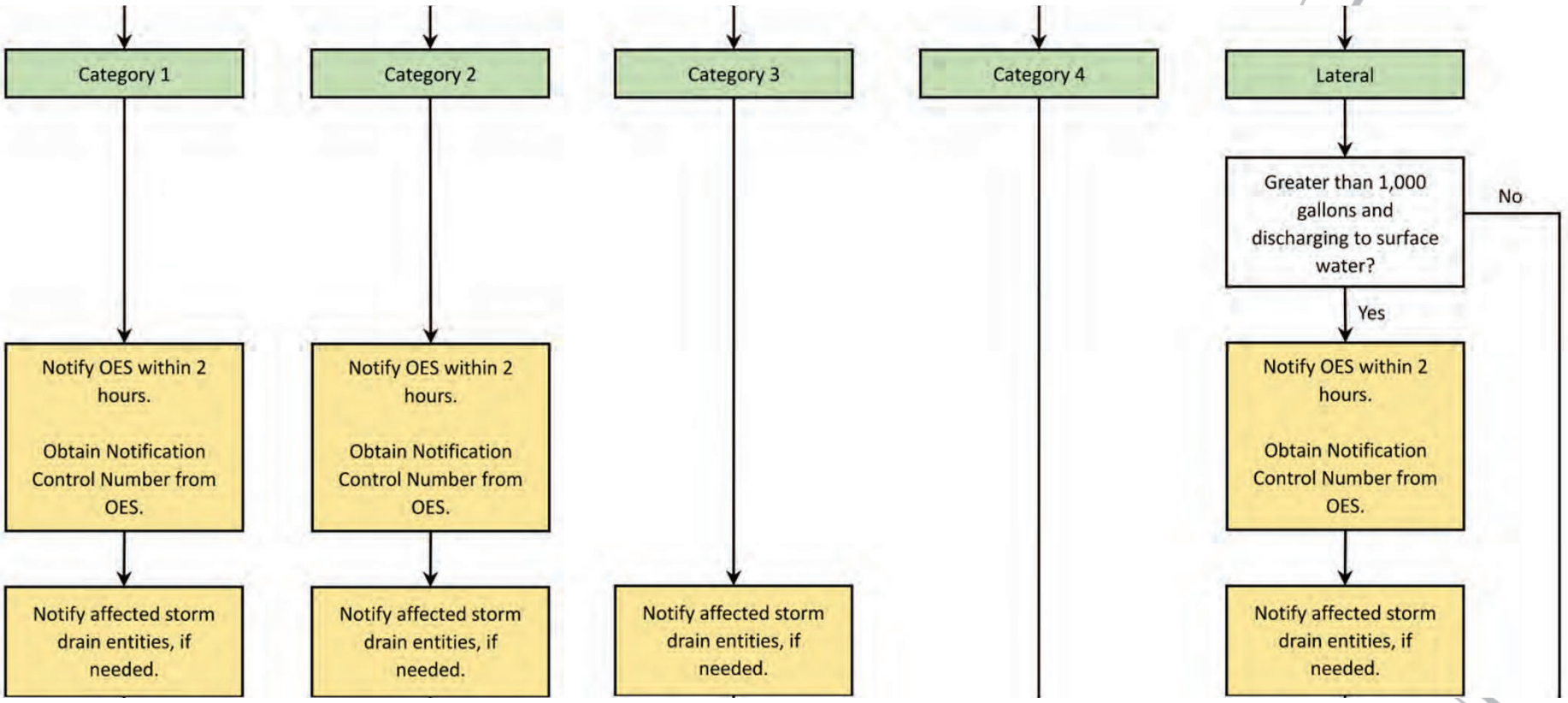
Step 1: Determine Spill Category



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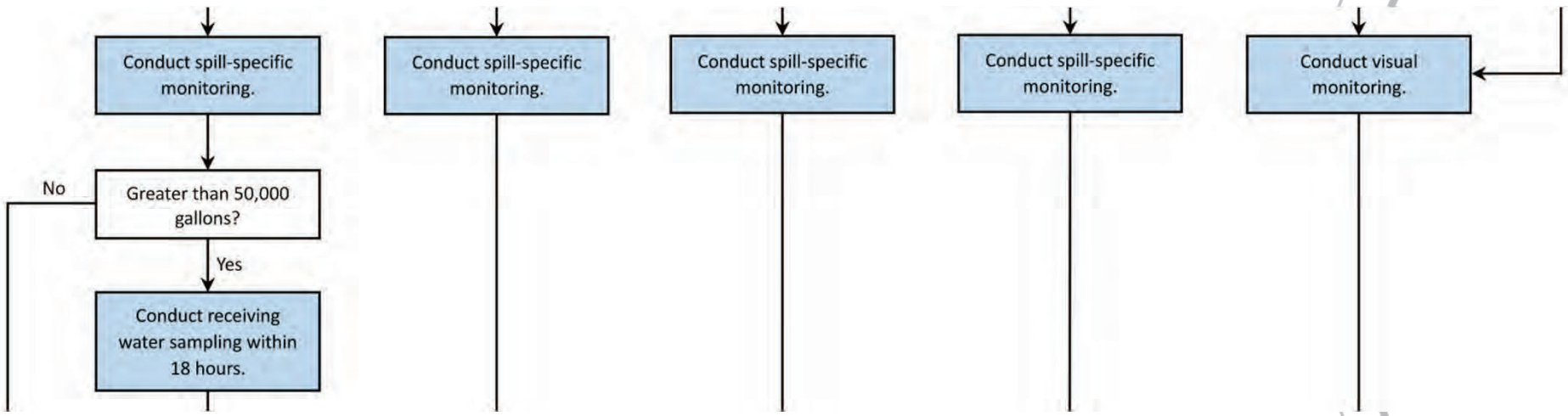
Spill Response Flow Chart

Step 2: Notify Appropriate Agencies and Impacted Stakeholders



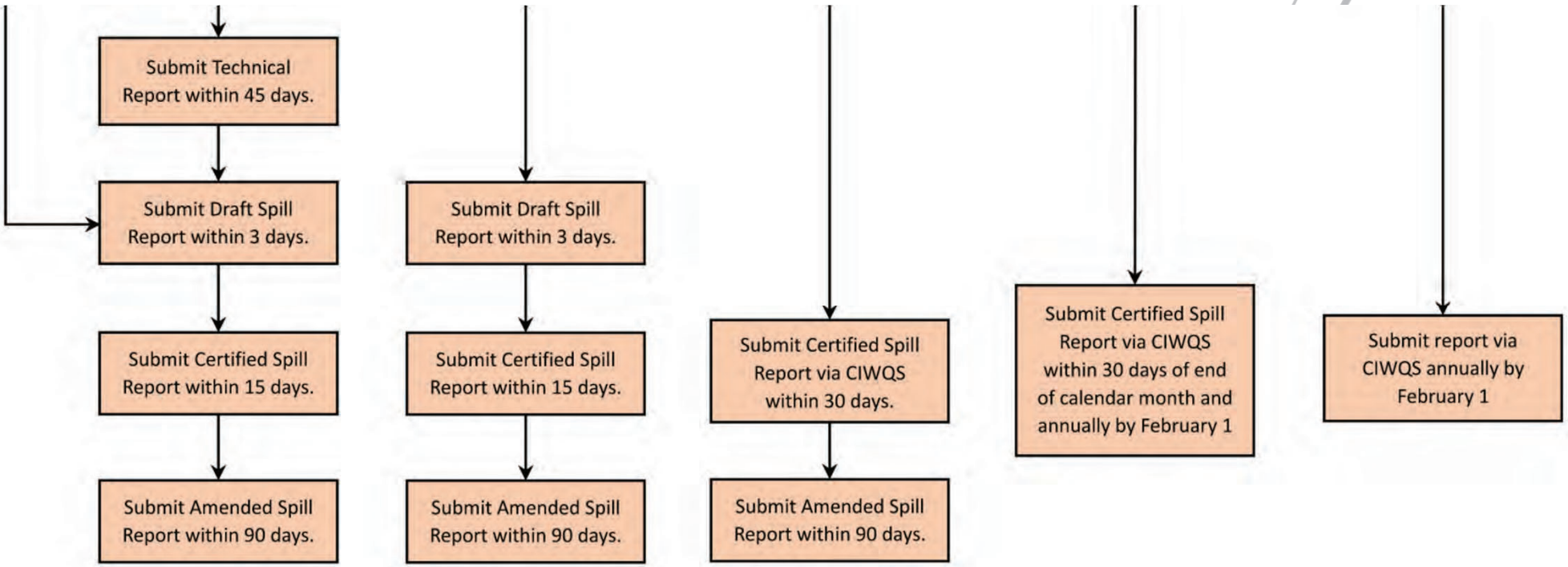
Spill Response Flow Chart

Step 3: Monitor Cleanup



Spill Response Flow Chart

Step 4: Report to the State



05 Determine Spill Category

Spill Categories

- **Category 1**
  - There are two possible conditions for a Category 1 Spill:
    - A discharge to surface water.
    - A discharge to a drainage conveyance that discharges to surface water, unless fully captured and disposed of.
- **Category 2**
  - A Category 2 Spill is a spill of 1,000 gallons or greater that does not discharge to surface water.
- **Category 3**
  - A Category 3 Spill is a spill greater than or equal to 50 gallons and less than 1,000 gallons, that does not discharge to surface water.
- **Category 4**
  - A Category 4 Spill is a spill less than 50 gallons, that does not discharge to surface water.
- **Spills from City-owned and/or operated laterals**

Spill Categories

- How to Determine the Spill Category
  - » Discharge to surface water or to a storm drain that discharges to surface water
  - » Methods to Calculate Volume
    - Visual Method
    - Measured Volume Methods
    - Duration and Flow Method

Spill Categories

- Visual Method

A spills less than 50 gallons can be estimated using an “eyeball estimate.”

To use this method, imagine the amount of water that would spill from a barrel. A barrel contains just over 50 gallons when full.

If the spill appears to be less the volume of a barrel, it may be designated as a Category 4 Spill provided it did not discharge to surface water.

Live Demonstration

Spill Categories

- Measured Volume

For a small contained spill, the volume may be measured as the impacted area times the average depth.



- Area

Approximately 60 square feet

- Depth

1/8 inch

$$V = AD = (60\ ft^2)\left(\frac{1}{8 \cdot 12} ft\right)\left(\frac{7.481\ gallons}{ft^3}\right) \cong 5\ gallons$$

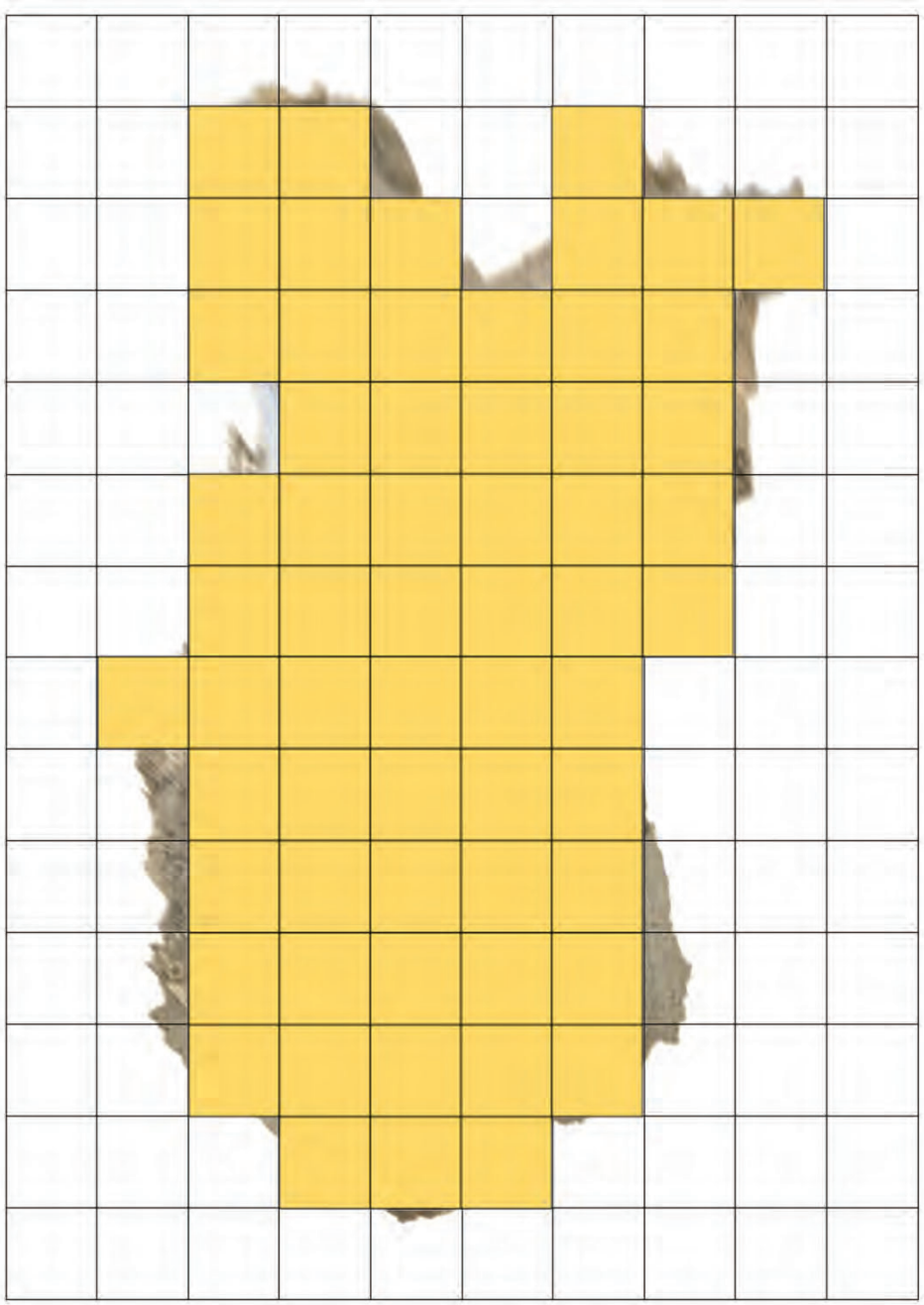
- Category 4

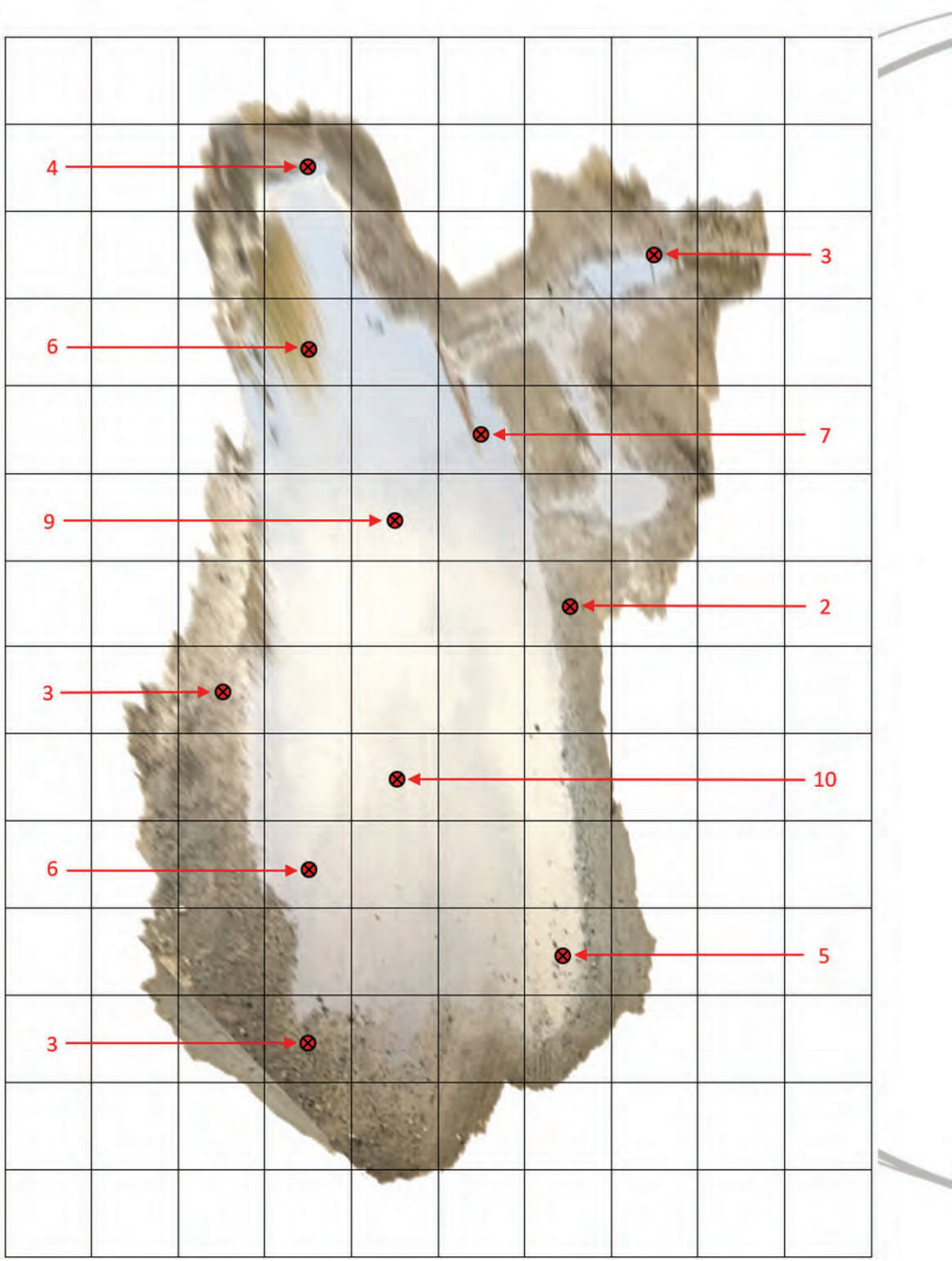
Spill Categories

- **Measured Volume**

For a small contained spill, the volume may be measured as the impacted area times the average depth.







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Spill Categories

- **Measured Volume**

For a small contained spill, the volume may be measured as the impacted area times the average depth.

- **Area**

Approximately 1,500 square feet

- **Average Depth**

5.3 inches

$$V = AD = (1{,}500\ ft^2)\left(\frac{5.3}{12}ft\right)\left(\frac{7.481\ gallons}{ft^3}\right) \cong 5{,}000\ gallons$$

- **Category 1**

If sewage entered the swamp

- **Category 2**

If contained on roadway

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Spill Categories

- Duration and Flow Method
  - » Duration: end time – estimated start time
  - » Types of Flow
    - Flow through Vent and Pick Holes
    - Flow above the Manhole Ring
    - Flow from a Partially Covered Manhole
    - Flow from an Open Manhole
    - Pictorial Reference

Flow Through Vent and Pick Holes



- 2 vent holes
- 1-inch diameter
- 1-inch discharge height
- Assume duration of 2 hours

Hole Diameter (inches)	Discharge Height above Cover (inches)	Flow (gpm)
Circular Vent Hole		
½	1/16	0.23
½	⅛	0.33
½	¼	0.47
½	½	0.66
½	¾	0.81
½	1	0.94
Circular Vent Hole		
¾	1/16	0.51
¾	⅛	0.72
¾	¼	1.02
¾	½	1.44
¾	¾	1.77
¾	1	2.04
Circular Vent Hole		
1	1/16	0.88
1	⅛	1.25
1	¼	1.77
1	½	2.50
1	¾	3.06
1	1	3.54

$$V = Qt = (2\ vent\ holes)\left(\frac{3.54\ gpm}{vent\ hole}\right)(2 \cdot 60\ minutes) \cong 840\ gallons$$

- Category 3, if contained

Flow Above the Manhole Ring



- 36-inch cover
- 6-inch discharge height
- Assume duration of 3 hours

Discharge Height above Rim	Flow for 24-inch Cover	Flow for 36-inch Cover
(inches)	(gpm)	(gpm)
5	166	243
5 ¼	185	270
5 ½	204	299
5 ¾	224	327
6	244	357
6 ¼	265	387
6 ½	286	419
6 ¾	308	451
7	331	483

$$V = Qt = \left(\frac{357\ gallons}{minute}\right)(3 \cdot 60\ minutes) \cong 64{,}000\ gallons$$

- **Category 1:** If sewage entered surface water
- **Category 2:** If contained

Flow from a Partially Covered Manhole



Observation	Velocity
Small Velocity	2 fps or less
Medium Velocity	4 to 5 fps
Large Velocity	7 fps or more

- 24-inch cover
- Observation: Large Velocity
- Height of cover above rim: 2 ½ inches
- Assume duration of 30 minutes



Height of Flow	Area for 24-inch Cover	Area for 36-inch Cover
(inches)	(sf)	(sf)
½	0.131	0.195
1	0.262	0.391
1 ½	0.393	0.586
2	0.524	0.782
2 ½	0.655	0.977
3	0.786	1.173
3 ½	0.917	1.368
4	1.048	1.564

$$V = vAt = \left(\frac{7\ feet}{sec}\right)\left(\frac{60\ sec}{min}\right)(0.655\ ft^2)\left(\frac{7.481\ gallons}{ft^3}\right)(30\ min) \cong 62{,}000\ gallons$$

- **Category 1:** If sewage entered surface water
- **Category 2:** If contained

Pictorial Reference



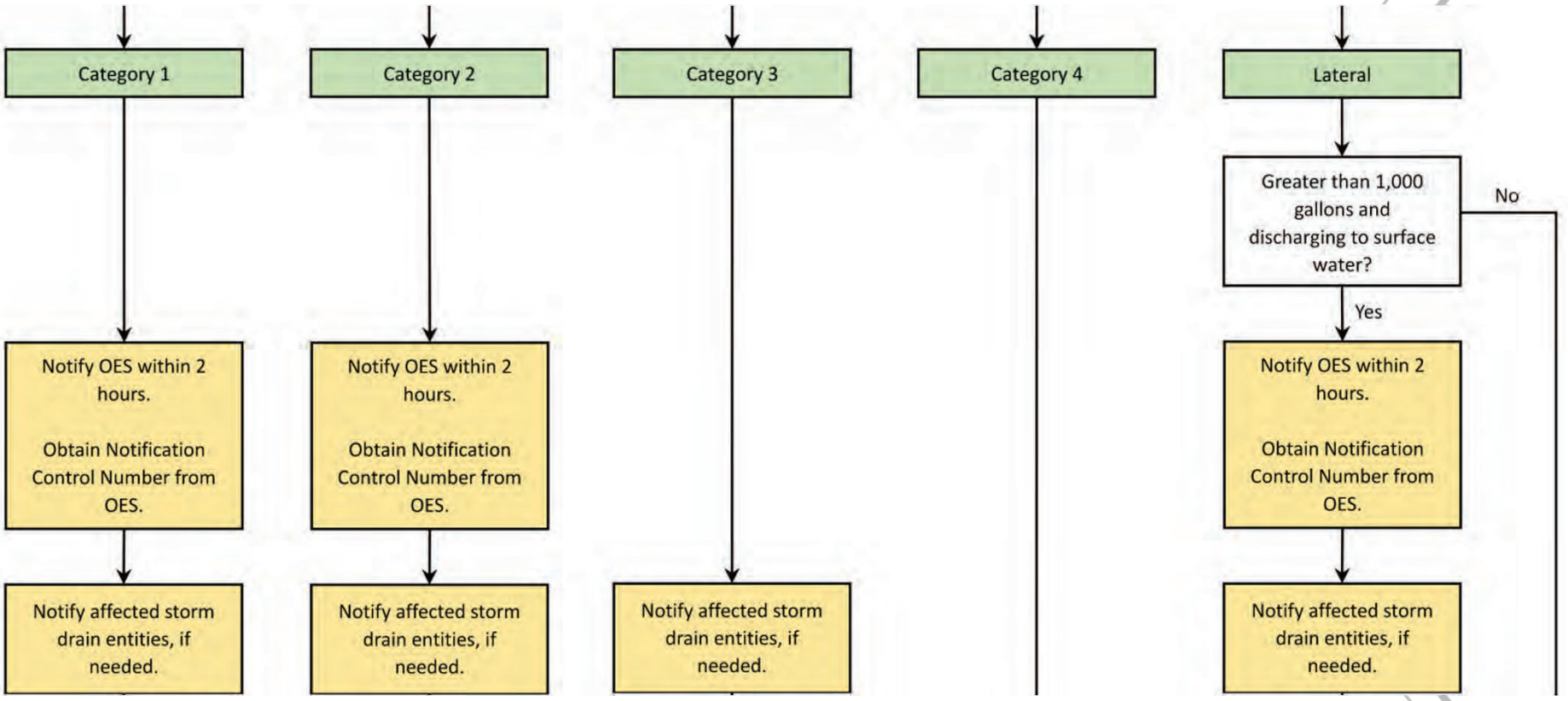






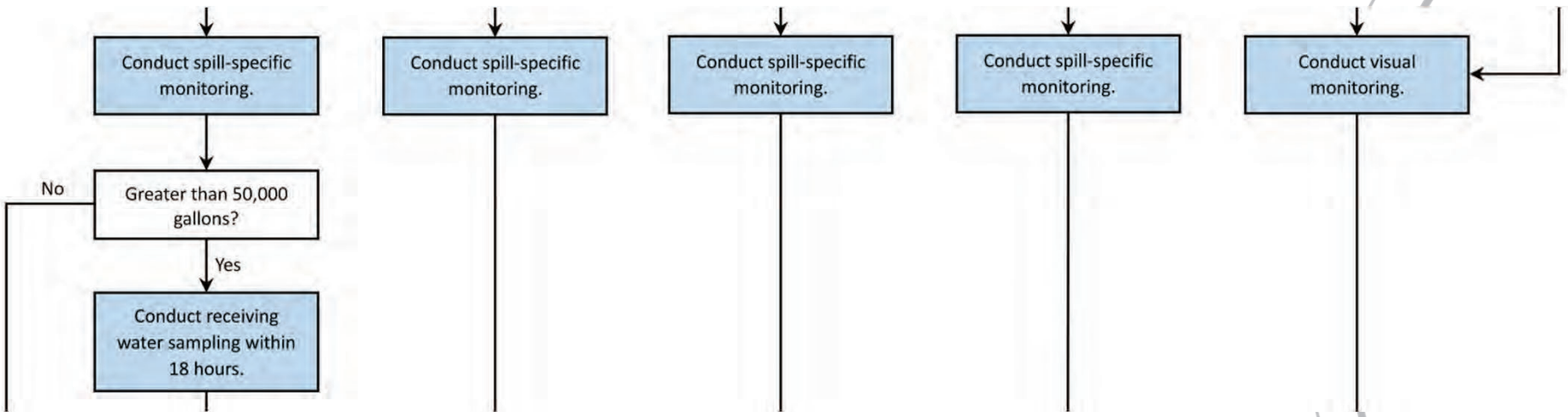
06 Notification

Spill Categories



07 Monitoring

Spill-Specific Monitoring Requirements



Spill-Specific Monitoring Requirements

- Spill Location and Spread
- Spill Volume Estimation
- Receiving Water Monitoring for Category 1

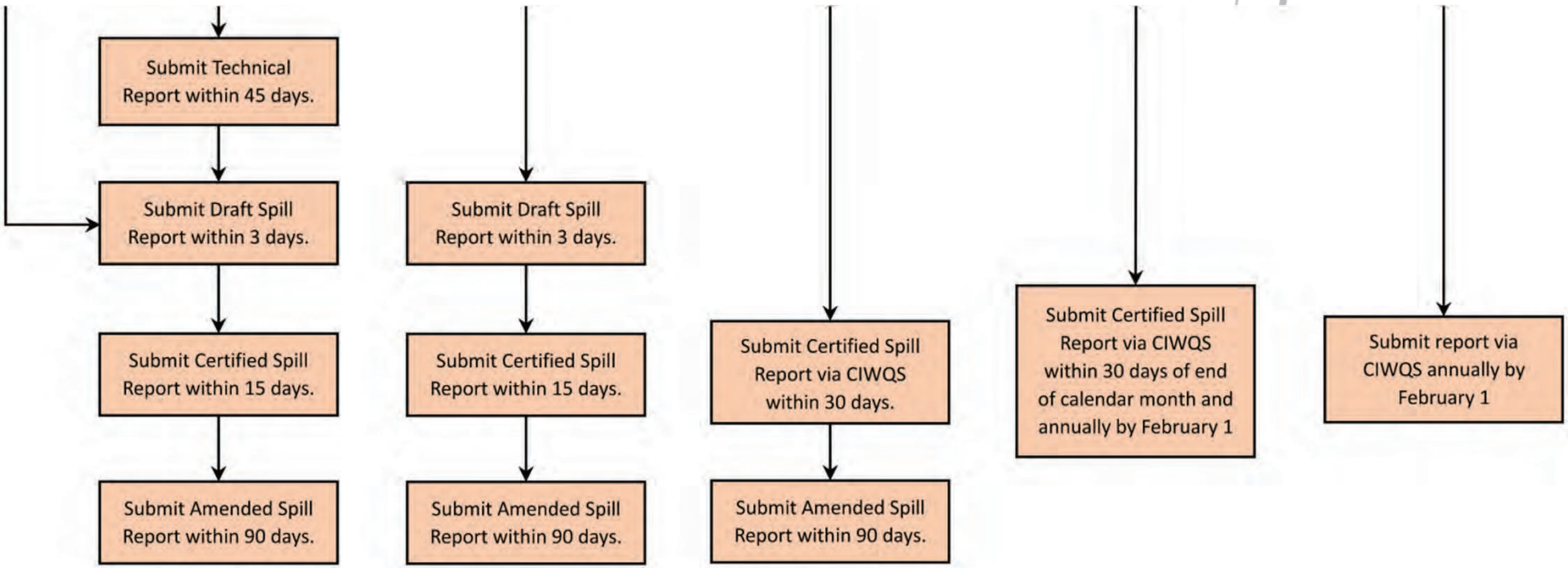
Spill Location and Spread
Location where spill originated:
• Photography
• GPS Coordinates
Photography for:
• Drainage conveyance entry locations
• Discharge into surface water, as applicable
• Extent of spill spread
• Location of clean up
Spill Volume Estimation
Visual Method
Measured Volume Method
Duration and Flow Method
Receiving Water Observations
Estimated spill travel time to receiving water
Estimated spill travel time from entering a drainage to point of discharge to receiving water
Estimated spill volume entering receiving water
Photography for:
• Waterbody bank erosion
• Floating matter
• Water surface sheen (i.e. from oil and grease)
• Discoloration of receiving water
• Impact to receiving water
Receiving Water Quality Sampling
Identify 3 sampling locations
• Point in drainage prior to discharge to receiving water
• Point in receiving water at sewage discharge
• Point in receiving water upstream sewage discharge
Sample for ammonia
Sample for appropriate bacterial indicators
Receiving Water Quality Analysis
Sufficiently Sensitive Methods in accordance with 40 Code of Federal Regulations Part 136
Analysis by an accredited laboratory

08

Reporting

Reporting

- Draft Spill Report
- Certified Spill Report
- Spill Technical Report



Draft Spill Report Content	
Category 1, 2 and 3	SEPR Coordinator contact information
	Name of spill location
	Date and time of spill notice
	Time maintenance crew arrived
	Estimated start time of spill
	Description, photographs, and GPS coordinates
	Estimated spill volume
	Description and photograph of spill extent and boundary
	Did the spill reach a drainage conveyance system?
	Description and identification of system
	Photographs of entry location
	Estimated volume recovered
	Estimated volume remaining
	Estimate total volume recovered
Category 1 and 2	Time OES was notified
	OES Notification Control Number
Category 1 Only	Description and photographs of discharge point to surface water
	Estimate volume discharged to surface water
Category 2 and 3	Estimated volume captured by basin or facility

Certified Spill Report Content	
Category 1, 2 and 3	Description and GPS coordinates of spill event destination
	Spill end date and time
	Spill volume estimate methodology
	Cause of spill
	System failure location
	Pipe age and condition at failure location
	Description of the impact of the spill
	Was spill associated with a storm event?
	Description of spill response activities
	Description of spill corrective action
	Narrative of investigation and findings of cause of spill
Category 1 and 2	Spill response completion date
	If needed, reason and expected completion of ongoing investigation
Category 1 Only	Name and type of receiving water body
	Description of the water body
	Impacts to aquatic life
	Public closure or restricted use
	Responsible entity for closure or restricted use
	Days of closure or restricted use due to spill
	Was spill within 1000 feet of municipal surface water intake?
	If needed, identify sampling locations and parameters

Spill Technical Report

Spill Causes and Circumstances
Complete and detailed explanation of how and when the spill was discovered
Photographs illustrating:
• spill origin
• extent and reach of the spill
• drainage entrance and exit
• receiving water
• post-cleanup site conditions
Diagram showing:
• spill failure point
• appearance point
• spill flow path
• ultimate destinations
Method and data used to:
• calculate the discharge volume
• calculate the recovered spill volume
Description of spill cause
Description of pipe material and age at failure location
Description of the impact of the spill
Historical maintenance records for the failure location

Spill Technical Report

Response to Spill
Chronological narrative description of all actions taken to terminate spill
Explanation of SERP implementation
Corrective actions completed and scheduled for planned corrective actions:
• Local regulatory enforcement action related to illicit discharge
• System modifications
• Operation and maintenance program modifications
• SERP Modifications
Water Quality Monitoring
Description of water quality sampling activities conducted
List of pollutants and parameters monitored, sampled and analyzed
Laboratory results and reports
Location map of water quality sampling points
Distribution of sampling results to regulatory agencies
Evaluation of Spill Impact
Description of short-term to beneficial use of surface water
Description of long-term to beneficial use of surface water

09

Internal Audit

Internal Audit

- Prepare every three years
- Use checklist if prepared internally
  - Customized to City's SSMP
  - Organized by Chapter and Section Heading
- Answer Yes or No to each checklist entry
  - Yes = Compliant
  - No = Non-Compliant
- For Non-Compliant Responses
  - Correct the Deficiency
  - Prepare a Plan to Correct the Deficiency

Internal Audit

Chapter 1 SSMP Goals and Introduction				
Section Number	**Description**	**Yes**	**No**	**Comment**
1.1.1	Does the Introduction section provide a general description the local sewer system management program?			
1.1.2	Does the Introduction section provide a general description of SSMP implementation?			
1.1.3	Does the Introduction section provide a general description of SSMP updates?			
1.2	Does the Introduction section include a schedule for:			
	SSMP updates?			
	internal audits?			
	milestones for spill prevention activities?			
1.3	Does the Introduction section provide a description of:			
	location?			
	service area boundary?			
	population and community served?			
	system size?			
	structures diverting stormwater to sewer system?			
	data management systems?			
	sewer system ownership?			
	estimated number of connections?			
	service boundary conditions?			

Internal Audit

Chapter 2 Organization				
Section Number	**Description**	**Yes**	**No**	**Comment**
2.1	Is the name of the legally responsible official provided?			
2.2	Are the organizational lines of authority provided?			
2.3	Are the positions responsible for SSMP implementation presented with:			
	position titles?			
	telephone numbers?			
	email ddresses?			
2.4	Is the chain of comunication for reporting spills provided?			

Chapter 3 Legal Authority				
Section Number	**Description**	**Yes**	**No**	**Comment**
3.1	Is the illicit discharges ordinance cited?			
3.2	Is the storm sewer agency coordination plan cited?			
3.3	Is legal authority to oversee design and construction cited?			
3.4	Is legal authority for maointnenance, inspectin and repair access cited?			
3.5	Is legal authoiry for enforcement of violations cited?			
3.6	Is legal authoiry for acquisition of easements cited?			

Internal Audit

Chapter 4	Operation and Maintenance Program			
Section Number	Description	Yes	No	Comment
4.1.1	Is the Santiary Sewer System map up to date?			
4.1.2	Does the State Board and Regional Board have access to the map?			
4.2	Does the operation and maintenance program scheduling system include:			
	inspection activities?			
	maintenance activities?			
	higher-frequency inspection and maintenance of known problem areas?			
	regular visual inspections of manholes?			
	regular CCTV inspections of sewer pipes?			
	Is inspection and maintenance data documented?			
4.3	Does the operations and maintenance training cover:			
	requirements of the General Order?			
	Spill Emergency Response Plan procedures and practice drills?			
	estimation of spill volume for field operators?			
	electronic CIWQS reporting procedures?			
4.4	Is an inventory of sewer system equipment provided?			

Chapter 5	Design and Performance Provisions			
Section Number	Description	Yes	No	Comment
5.1.1	Are design criteria provided?			
5.1.2	Are constructions standards and specifications provided or cited?			
5.2	Are procedures and standards for inspection and testing of new infrastrcture and equipment provided?			

Internal Audit

Chapter 6 Spill Emergency Response Plan (SERP)				
Section Number	Description	Yes	No	Comment
6.1	Does SERP include procdures to notify first responders, local officials, regulatory agencie, affected entities of a spill?			
6.2	Does SERP include procdures for staff training?			
6.3	Does SERP include procdures to contain a spill?			
6.4	Does SERP include procdures to prevent discharge to drainage?			
6.5	Does SERP include procedures to minimize and remediate health impacts?			
6.6	Does SERP include procedures to remove sewage from drainage system?			
6.7	Does SERP include procedures to clean up the spill area?			
6.8	Does SERP include procedures to expedite spill containment and recovery?			
6.9	Does SERP include procedures to coordinate with stormdrain agencies and other utilities?			
6.10	Does Does SERP include procedures for post-spill assessment?			
6.11	Does SERP include procedures for spill event documentation and reporting?			
6.12	Does SERP include procedures for annual review and assessment of SERP effectiveness?			

Internal Audit

Chapter 7	Sewer Blockage Control Program (SBCP)			
Section Number	Description	Yes	No	Comment
7.1	Does SBCP include a public outreach implementaitn plan and schedule?			
7.2	Does SBCP include procedures for disposal of pipe-blocking substances?			
7.3	Is legal authoiry to prohibit discharges cited?			
7.4	Does SBCP identify measures to prevent spills and blockages?			
7.5	Does SBCP include:			
	requirements to install grease removal devices?			
	design standards for grease removal devices?			
	maintenance requirements for grease removal devices?			
	grease removal devices best management practices?			
	recordkeeping and reporting requirements for grease removal devices?			
7.6	Is legal authoiry to inspect grease producing facilities cited?			
	Is legal authoiry to enforce the FOG ordinance cited?			
	Is there sufficient staffing to inspect grease producing facilities and enforce the FOG ordinance?			
7.7	Does SBCP include:			
	identification of known areas subject to blocakage?			
	a schedule for cleaning these areas?			
7.7	Does SBCP include source contol measures for these areas?			

Internal Audit

Chapter 8	System Evaluation, Capacity Assurance and Capital Improvements (SECAP)			
Section Number	Description	Yes	No	Comment
8.1	Does SECAP include:			
8.1.1	evaluatation and cycle for sewer system assests?			
8.1.2	assessment prioritization?			
8.1.3	procedures for visual inspection of manholes?			
8.1.4	procdures for CCTV inepction of pipes?			
8.1.5	procedures for documentation recordkeeping?			
8.1.6	impacts of climate change?			
8.2	Does SECAP include:			
8.2.1	Hydraulic Capacity Requirements?			
8.2.2	Hydraulic Capacity Assessment?			
8.3	Does SECAP prioritize corrective action?			
8.4	Does CIP include:			
8.4.1	implemtation schedule?			
8.4.2	project funding sources?			
8.4.3	project coordination?			

Chapter 9	Monitoring, Measurement and Program Modifications			
Section Number	Description	Yes	No	Comment
9.1	Does the SSMP include methods to maintain relevant information?			
9.2	Does the SSMP include methods for monitoring and measuring the effectiveness of each plan element?			
9.3	Does the SSMP include methods for assessing the effectiveness of preventitive maintenance?			
9.4	Does the SSMP include methods for updating procedures and activities?			
9.5	Does the SSMP include methods for identifying and illustrating spill trends?			

Internal Audit

Chapter 10 Internal Audits				
Section Number	Description	Yes	No	Comment
10	Does the SSMP include internal audit procedures including:			
10.1	Application of Internal Audit Checklist			
10.2	Sewer System Operator Involvement			
10.3	Effectiveness in Preventing Spills			
10.4	Compliance with the General Order			
10.5	Deficiencies in Addressing Ongoing Spills and Discharges			
10.6	Modifications to Correct Deficiencies			
10.7	Submittal to CIWQS			

Chapter 11 Communication Program				
Section Number	Description	Yes	No	Comment
11.1	Does the communication program include public outreach procedures for:			
11.1.1	Notice of spills and discharges			
11.1.2	Input on SSMP development and implementation			
11.2	Does the communication program include stakeholder outreach procedures for system operation, maintenance, and capital improvement activities?			

Questions?