

Volume 5
PLACER COUNTY SEWER MAINTENANCE DISTRICT 3
(SMD 3) HORSESHOE BAR/FOLSOM LAKE
SEWER SYSTEM MANAGEMENT PLAN

INTRODUCTION

PLACER COUNTY MAINTAINED PUBLIC SEWER SYSTEMS

The Placer County Department of Facility Services operates and maintains nine separate sanitary sewer collection systems within the County. Eight of these are either Sewer Maintenance Districts (SMDs) or County Service Areas (CSAs) which derive their operating revenue from sewer user fees. Funds do not co-mingle between Districts. The Placer County Board of Supervisors is the governing board of each SMD or CSA. The ninth sewer system serves the Eastern Regional Landfill (ERL) Facility and the property is owned by the County. On May 2, 2006, the State Water Resources Control Board adopted Order 2006-003 Waste Discharge Requirements, which required all public owned sewer systems in the State with more than one mile of collection pipe to develop a Sewer System Management Plan (SSMP). Volume 1 (All Districts), Volume 2 (Appendices) and this volume comprise the SSMP for this District.

SMD 3 HISTORY AND DESCRIPTION

Around 1960, the area that is now Placer County Sewer Maintenance District No. 3 (SMD 3) was undergoing a general plan update. Realizing the need for sewer service for the small lot sizes that were proposed, SMD 3 was formed. Bonds were sold to pay for the design and construction of a sewage collection system and wastewater treatment plant to serve the mostly vacant land. By 1962, construction was complete and development began. Growth was slower than expected, and in the 1960's only a 100 unit mobile home park and one subdivision were constructed. By the late 1980's, however, additional growth began to occur. To date, approximately 35% of the land within the District is undeveloped. Due to slow growth and the 1975 General Plan that increased the minimum lot size, only 616 EDU's are connected to only 16 miles of sewer pipe as of July 2014.

A recent regionalization project was completed to abandon the treatment plant, construct a sewage pump station and transport the District wastewater to SMD 2. The wastewater is now treated at the Roseville Regional Wastewater Treatment Plant. A District map is provided in Section 4.1 of this SSMP.

Most sewer systems are constructed with gravity sewers, where sewage flows down a sewer pipe by gravity with the pipeline sloped downhill toward the wastewater treatment

plant. Four inch pipe is the minimum diameter of gravity sewer pipe used for servicing properties and six inch pipe is used for collector sewer in the street. If gravity sewer is not feasible, a sewage pump station is constructed to pump sewage in a pressure pipe to the top of the hill where it again flows by gravity downhill.

SMD 3 uses low pressure sewer in portions of the District that cannot accommodate gravity sewer flow. The sewer system utilizes a pressure pipe as small as two inch diameter that is able to go up or down hill. Each structure connected to the low pressure sewer has a septic tank that can remove solids and grease from the wastewater and pumps the remaining water into the low pressure sewer. Each pump is strong enough to pump the water to the end of the low pressure pipe. The unit at each structure is called a Septic Tank Effluent Pump (STEP) unit and is maintained for the property owner by the District. As of July 1, 2014, SMD 3 maintains 46 STEP units.

**PLACER COUNTY SEWER MAINTENANCE DISTRICT 3
(SMD 3) HORSESHOE BAR/FOLSOM LAKE
SEWER SYSTEM MANAGEMENT PLAN**

Table of Contents

Volume 5

SMD 3 SSMP

Section	Page
Table of Contents	iii
SSMP Introduction	
Placer County Maintained Public Sewer Systems	i
SMD 3 History and Description	i
1.0 Goals	
1.1 Introduction.....	1
1.2 Placer County SSMP Goals	1
2.0 Organization	
2.1 Introduction.....	2
3.0 Legal Authority	
3.1 Introduction.....	3
3.2 Placer County Code, Articles 13.12 and 13.14.....	3
Table 3.1	4
4.0 Operations and Maintenance Program	
4.1 Collection System Mapping	
4.1.1 Introduction.....	6
District Maps.....	7
4.2 Preventive Operations and Maintenance	
4.2.1 Introduction.....	9
4.3 Rehabilitation and Replacement Plan	
4.3.1 Introduction.....	9
4.3.2 Condition Assessment, Rehabilitation, and Replacement Plan	9
4.3.3 SMD 3 Rehabilitation and Replacement Schedule	10
4.4 Training	
4.4.1 Introduction.....	10

4.5 Contingency Equipment and Replacement Inventories	
4.5.1 Introduction.....	10
5.0 Design and Performance Provisions	
5.1 Standards for Installation, Rehabilitation, and Repair	
5.1.1 Introduction.....	11
5.2 Standards for Inspection and Testing of New, Rehabilitated, and Repaired Facilities	
5.2.1 Introduction.....	11
6.0 Overflow Emergency Response Plan	
6.1 Introduction.....	12
7.0 Fats, Oils, and Grease (FOG) Control Program	
7.1 Introduction.....	13
7.2 Existing SMD 3 Sewer System	13
7.3 Selected FOG Source Control and Public Education Outreach Program	13
8.0 System Evaluation and Capacity Assurance Plan	
8.1 Introduction.....	14
8.2 Existing SMD 3 Sewer System	14
8.3 Selected Capacity Analysis Type	14
8.4 Capital Improvement Program and Funding	15
8.5 CIP Schedule	15
9.0 Monitoring, Measurement, and Program Modifications	
9.1 Introduction.....	16
9.2 Maintain Relevant Information.....	16
Table 9.1	17
9.3 Monitor the Effectiveness of the SSMP and Success of the PM Program	19
9.4 Update Program Elements	19
9.5 Identify and Illustrate SSO Trends	19
10.0 SSMP Program Audits	
10.1 Introduction.....	20
11.0 Communication program	
11.1 Introduction.....	21
12.0 SSMP Completion and Certification	
12.1 Introduction.....	22

**PLACER COUNTY SEWER MAINTENANCE DISTRICT 3
(SMD 3) HORSESHOE BAR/FOLSOM LAKE
SEWER SYSTEM MANAGEMENT PLAN**

1.0 GOALS

1.1 Introduction

Goals are the crux of any plan. They are the defining targets in which more specific objectives of this SSMP are aimed. The SSMP goals are itemized in SSMP Volume 1.

1.2 Placer County SSMP Goals

As mentioned in the introduction to this SSMP, a number of requirements or sections of the SSMP provide data pertaining to all nine County maintained public sewer systems and there is no reason to duplicate the information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Goals” requirements.**

**PLACER COUNTY SEWER MAINTENANCE DISTRICT 3
(SMD 3) HORSESHOE BAR/FOLSOM LAKE
SEWER SYSTEM MANAGEMENT PLAN**

2.0 ORGANIZATION

2.1 Introduction

As mentioned in the introduction to this SSMP, a number of requirements or sections of the SSMP provide data pertaining to all nine County maintained public sewer systems and there is no reason to duplicate the information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Organization” requirements.**

**PLACER COUNTY SEWER MAINTENANCE DISTRICT 3
(SMD 3) HORSESHOE BAR/FOLSOM LAKE
SEWER SYSTEM MANAGEMENT PLAN**

3.0 LEGAL AUTHORITY

3.1 Introduction

Of the nine wastewater collection systems owned and maintained by Placer County (see Table Int-1 from Volume 1), two have their own wastewater treatment systems and do not rely on other agencies for wastewater treatment. The remaining seven sewer systems are satellite collection systems that connect to wastewater treatment plants owned and operated by other public agencies. This makes the legal authority for all nine sewer systems and their two satellite systems somewhat complicated. A recent regionalization project was completed to abandon the SMD 3 wastewater treatment plant, construct a sewage pump station and transport the District wastewater to SMD 2. The wastewater is now treated at the Roseville Regional Wastewater Treatment Plant. An explanation of the Districts legal authority is as follows:

3.2 Placer County Code, Articles 13.12 and 13.14

Every Placer County maintained sewage collection system, whether it has its own wastewater treatment plant or it is a satellite collection system to another agency's treatment plant, is covered by Articles 13.12 and 13.14 of the Placer County Code.

Article 13.12 is a comprehensive sewer ordinance that has been in use over 40 years and governs operation and maintenance of the County's sewer system. It also contains the user fee, annexation fee and connection fee schedule for the nine sewer systems (excluding Cabin Creek). This ordinance has been updated many times and will continue to be updated as conditions warrant.

Article 13.14 is the Placer County Industrial Pretreatment Ordinance. While this article primarily regulates industry to protect the district wastewater treatment systems, it also regulates many industrial types of discharges that could have adverse effects on collection systems.

Section 3, of the State WDRs, directs that legal authority cover a minimum of five items. Those five items and their location in the Placer County Code are summarized in the following table.

Table 3-1, WDR Legal Authority Requirements

Requirement	Code Location
Prevent illicit discharges	Section 13.12.020 Section 13.12.070 Section 13.12.100 Section 13.12.140 Section 13.14.050
Require proper design and construction	Section 13.12.210 and 220
Ensure access for maintenance/repairs	Section 13.14.180
Limit FOG discharges	Section 13.14.050
Enforce violations	Section 13.12.190 and 330

The Placer County Department of Facility Services periodically publishes a booklet containing current copies of Sections 13.12 and 13.14 of the County Code together with copies of the applicable City of Roseville Sewer Codes (see Sub-Section 3.2 of this Section). That booklet is contained in **Appendix “B”** and a separate copy can be obtained at the Facility Service’s front counter. It is titled “Rules and Regulations of Placer County Operated Sewer and Water Systems”. A current copy of the Placer County Code can also be found on the County web site at <http://qcode.us/codes/placercounty/view.php?&frames=on>.

3.3 Roseville City Code, Chapter 14.12, 14.16, and 14.26

Similar to Placer County, the City of Roseville has sewer regulations in its City Code. They can be found on the City’s website at www.qcode.us/codes/roseville/. Chapter 14.12 of the City’s code covers regulations of sewer use, similar to the Placer County Code Article 13.12.010 through 13.12.230. Chapter 14.16 covers sewer rates and charges, similar to the County Code, Article 13.12.240 through 13.12.410. Chapter 14.26 covers their Industrial Wastewater Regulations. Copies of the above sections of the City’s code are also contained in the booklet found in **Appendix “B”** of Volume 2.

3.4 South Placer Wastewater Authority Joint Powers Agreement

SMD 2, SMD 3, Dry Creek, and Sunset discharge to the City of Roseville for treatment. South Placer Municipal Utilities District (SPMUD), which covers Rocklin, Newcastle, Penryn, and portions of the Loomis Basin also discharges to the City of Roseville for treatment. To facilitate financing, operations and maintenance of the jointly shared trunk sewers and the Roseville Regional Wastewater Treatment Plant, the three entities, Placer County, City of Roseville and SPMUD formed a joint powers authority called the South Placer Wastewater Authority. Through the Authority, Roseville continues to be fully responsible for operation and maintenance of the treatment plant and the trunk sewers and the Authority is primarily

responsible for financing of the facilities. A copy of the written agreement forming that Authority can be found in **Appendix “C”** of Volume 2.

3.5 Funding Agreement Relating to the South Placer Regional Wastewater Facilities

The three members of the South Placer Wastewater Authority have a written agreement that directs how funding of the wastewater facilities will be handled. A copy of that agreement can be found in **Appendix “D”** of Volume 2.

3.6 Agreement Regarding the Operation and Use of the South Placer Regional Wastewater Facilities

The three members of the South Placer Wastewater Authority have a written agreement that directs how the regional wastewater facilities shall be operated and maintained. A copy of that agreement can be found in **Appendix “E”** of Volume 2.

**PLACER COUNTY SEWER MAINTENANCE DISTRICT 3
(SMD 3) HORSESHOE BAR/FOLSOM LAKE
SEWER SYSTEM MANAGEMENT PLAN**

**4.0 OPERATIONS AND
MAINTENANCE PROGRAM**

4.1 Collection System Map

4.1.1 Introduction

As described in detail in Section 4 of Volume 1 (All Districts SSMP), Placer County uses a GIS mapping system to produce sewer maps of each of the nine sewer systems it maintains. The mapping system produces wall size maps (1"=400') of the boundary of each district and also produces 11"x17" map book pages, placed in map books and used by maintenance personnel. Index map copies and an example of an individual map page for SMD 3 are contained in the following two pages. Wall maps of the entire sewer district are available for public review at the Environmental Engineering Offices.



BD2	BD3
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BC2	BC3
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BB2	BB3
-----	-----

SMD 3
SEWER MAINTENANCE
DISTRICT 3
SANITARY SEWER

THIS MAP IS FOR INFORMATION ONLY AND IS NOT TO BE USED FOR DESIGN PURPOSES. PLACER COUNTY DOES NOT GUARANTEE ACCURACY OR CURRENTNESS OF THE INFORMATION. PERMITS ARE REQUIRED FOR EXCAVATION IN COUNTY RIGHTS OF WAY OR PUBLIC UTILITY EASEMENTS.

REV: 01/05/07

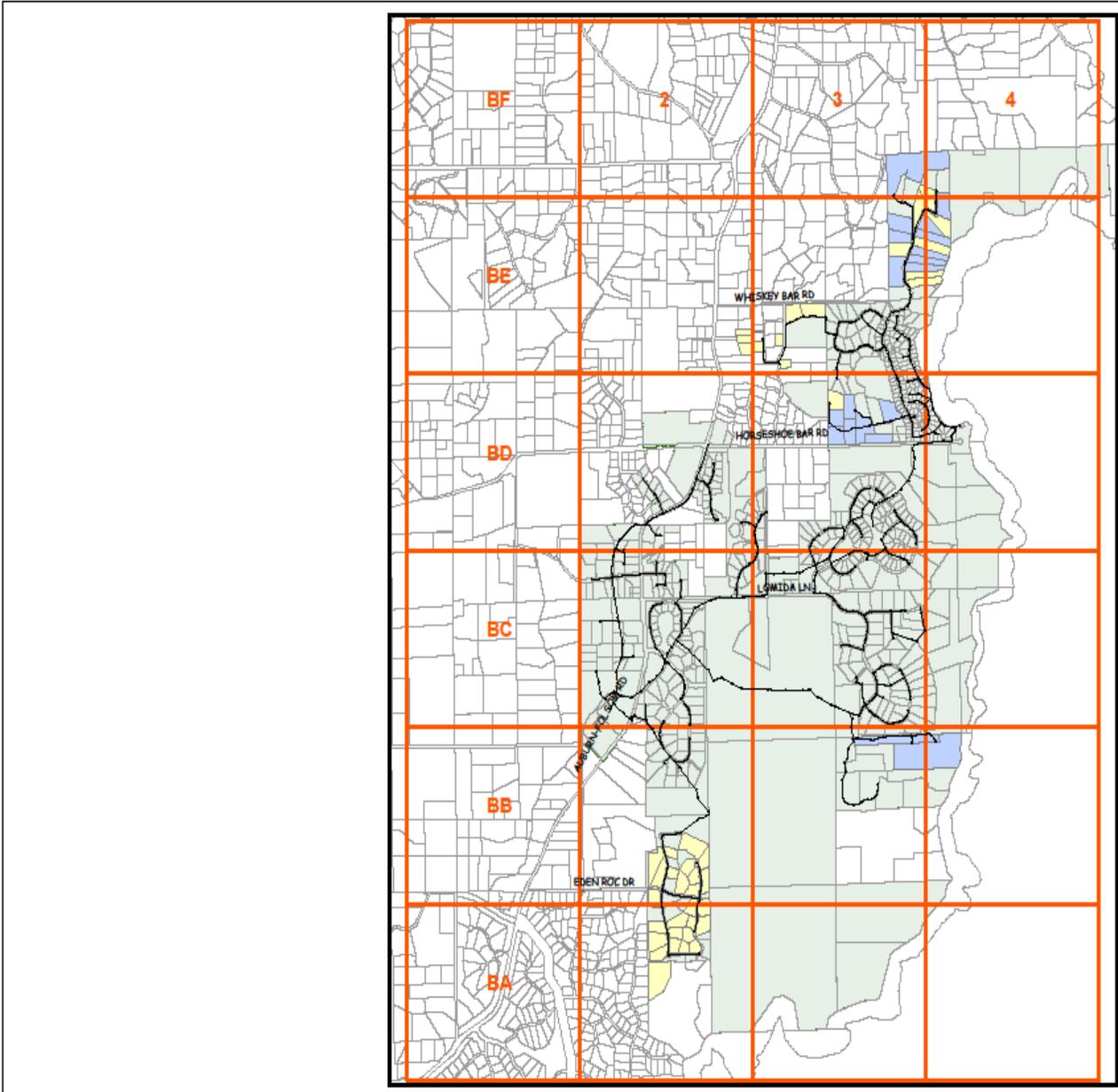


SCALE: 1" = 400'

PLACER COUNTY



FACILITY SERVICES



MAP INDEX

SMD 3 SEWER MAINTENANCE DISTRICT 3 SANITARY SEWER

LEGEND

- DISTRICT BOUNDARY
- STEPS**
- PLACER COUNTY MAINTAINED
- PRIVATE SYSTEMS

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REV: 01/05/07



NOT TO SCALE

PLACER COUNTY



FACILITY SERVICES

4.2 Preventive Operation and Maintenance

4.2.1 Introduction

As mentioned in the introduction to this SSMP, a number of requirements or sections of the SSMP provide data pertaining to all nine Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Preventive Operation and Maintenance” requirements.**

4.3 Rehabilitation and Replacement Plan

4.3.1 Introduction

As noted in Volume 1, “All Districts SSMP”, Section 4.3.0, in order to develop a Rehabilitation and Replacement (R&R) plan for a sewer system, a Condition Assessment of the sewer system must be completed. Methods of doing a Condition Assessment are detailed in Section 4.3.0. **Before proceeding with this section of this SSMP, the reader should review Section 4.3.0 of Volume 1 to better understand the methods chosen to evaluate this sewer system.**

4.3.2 Condition Assessment, Rehabilitation, and Replacement Plan

As noted in Section 4.3.0, before an R&R plan can be developed, a Condition Assessment of a sewer system must be made. That Condition Assessment usually consists of the following:

- Television inspection of the gravity sewer lines.
- Smoke testing sewer lines.
- Hydro cleaning sewer lines.
- Visual inspection of the manholes.
- A complete inspection of the sewage pump stations.

The nine sewer districts maintained by Placer County vary in size from 0.5 miles to 118 miles of pipe and have 42 sewage pump stations between them. Therefore, a Condition Assessment can be relatively easy to complete for the small districts and difficult for the large districts. For the large districts, conducting a Condition Assessment of the entire district at one time can be cumbersome and inefficient due to the volume of work to be completed and analyzed. In those districts, dividing the sewer district into smaller sections is a feasible way of completing the project over a number of years rather than all at once.

In the case of SMD 3, the following information is available:

- The SMD has 16 miles of sewer pipe and three sewage pump stations.
- 3.9 miles of the sewer system are low pressure sewer pipes which cannot be televised.
- In the last five years, 11.15 miles of the sewer system have been televised.
- One sewer system overflow has been recorded in the district in the last 5 years.
- No condition assessment or R&R plans have been developed.
- Smoke testing will be performed as needed based on high peaking factors identified from inflow and infiltration (I/I) analysis.
- Manhole inspections will be performed routinely (during CCTV and line cleaning work) and based on visual inspection.

Therefore, it is recommended that the gravity portion of the sewer system and manholes be inspected, smoke tested and a Condition Assessment be completed prior to the preparation of an R&R plan.

4.3.3 SMD 3 Rehabilitation and Replacement Schedule

The proposed schedule for completion of the above noted work is as follows:

Proposed Project	Completion Year
CCTV Sewers	2019*
Pump Station Evaluation	2019*
Condition Assessment Report	2020*
Capacity Analysis	2020*
Capital Improvement Program	2021*

*The District operates under an ongoing Preventative Maintenance program that schedules portions of these Projects each year to ensure that each of the Projects are completed every ten years. Completion years for the current Project cycles are presented above.

4.4 Training

4.4.1 Introduction

As mentioned in the introduction to this SSMP, a number of requirements or sections of the SSMP provide data pertaining to all nine Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Training” requirements.**

4.5 Contingency Equipment and Replacement Inventories

4.5.1 Introduction

As mentioned in the introduction to this SSMP, a number of requirements or sections of the SSMP provide data pertaining to all nine Placer County maintained public sewer systems and there is no reason to duplicate that information. This section is one of those sections and it can be found in its entirety in Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Contingency Equipment and Replacement Inventories” requirements.**

**PLACER COUNTY SEWER MAINTENANCE DISTRICT 3
(SMD 3) HORSESHOE BAR/FOLSOM LAKE
SEWER SYSTEM MANAGEMENT PLAN**

5.0 DESIGN AND PERFORMANCE PROVISIONS

5.0 Standards for Installation, Rehabilitation, and Repair

5.1 Introduction

As mentioned in the introduction to this SSMP, a number of requirements or sections of the SSMP provide data pertaining to all nine Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Design and Performance Standards” requirements.**

5.2 Standards for Inspection and Testing of New, Rehabilitated, and Repaired Facilities

For new sewer construction, the County follows the General Specifications (see Appendix J of Volume 2) and design criteria for the Land Development Manual (see Appendix I of Volume 2). The County General Specifications are currently being revised.

The County implements a Preventative Maintenance (PM) Program that uses NASSCO ratings to prioritize rehab and repair projects. County staff perform interior point repairs and smaller excavation projects to fix structural and I&I related problems. The County routinely contracts Cured in Place Pipe (CIPP) and manhole lining work based upon the results of the PM program.

5.2.1 Introduction

As mentioned in the introduction to this SSMP, a number of requirements or sections of the SSMP provide data pertaining to all nine Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Standards for Inspection and Testing” requirements.**

**PLACER COUNTY SEWER MAINTENANCE DISTRICT 3
(SMD 3) HORSESHOE BAR/FOLSOM LAKE
SEWER SYSTEM MANAGEMENT PLAN**

**6.0 OVERFLOW EMERGENCY
RESPONSE PLAN**

6.1 Introduction

As mentioned in the introduction to this SSMP, a number of requirements or sections of the SSMP provide data pertaining to all nine Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Overflow Emergency Response Plan” requirement.**

**PLACER COUNTY SEWER MAINTENANCE DISTRICT 3
(SMD 3) HORSESHOE BAR/FOLSOM LAKE
SEWER SYSTEM MANAGEMENT PLAN**

7.0 FATS, OILS AND GREASE (FOG) CONTROL PROGRAM

7.1 Introduction

There are a number of ways a FOG Control and Public Outreach Program can be developed for an existing sewer system depending on its size and type of connections. Those methods are summarized in Volume 1, “All Districts SSMP”, Section 7. **Before proceeding with this section of the SMD 3 SSMP, the reader should review Section 7 of Volume 1 to better understand the methods chosen to control FOG in the SMD 3 sewer system.**

7.2 Existing SMD 3 Sewer System

See the “Introduction” of this SSMP, SMD 3 History and Description, for a summary of the district sewer system. As noted at that location, the existing sewer system in SMD 3 is 16 miles in length and serves only residential properties. There are 610 EDU’s, approximately 100 of which are mobile homes in a park. The remainder is single family homes, except for two existing commercial connections. One is a bed and breakfast and the other a small coffee shop and wine tasting room.

7.3 Selected FOG Source Control and Public Education Outreach Program

Due to the conditions noted above, the most appropriate FOG Source Control and Public Education Outreach Program (see Section 7.6, Volume 1) is “Program B”. The single family homes receive Public Education Outreach and the mobile home park receives targeted education so that renters receive the information. The two commercial sites also receive targeted education (as they do not currently require grease interceptors).

**PLACER COUNTY SEWER MAINTENANCE DISTRICT 3
(SMD 3) HORSESHOE BAR/FOLSOM LAKE
SEWER SYSTEM MANAGEMENT PLAN**

**8.0 SYSTEM EVALUATION AND
CAPACITY ASSURANCE PLAN**

8.1 Introduction

There are a number of ways a System Evaluation and Capacity Assurance Plan can be developed for an existing sewer system depending on its size and age. Those methods are summarized in Volume 1, “All Districts SSMP”, Section 8. **Before proceeding with this section of the SMD 3 SSMP, the reader should review Section 8 of Volume 1 to better understand the methods chosen to evaluate the SMD 3 sewer system.**

8.2 Existing SMD 3 Sewer System

See the “Introduction” of this SSMP, SMD 3 History and Description, for a summary of the district sewer system. The existing sewer system is of moderate size with 16 miles of sewer pipe. The trunk sewer system is 53 years old; however, much of the collection system has been constructed in the last 25 years with the development of some of the properties in the district. SMD 3 has a moderate Infiltration and Inflow (I/I) with occasional (once a year or less) heavy spikes of flow during exceptional heavy rains when creeks are high. This would indicate potential locations where inflow enters the sewer system when the creeks are flooding. Several of these locations have been found and corrected; however, the spikes still occasionally occur.

Flow monitoring has been conducted in the SMD 3 Sewer System with 45 years of flow monitoring at the treatment plant (abandoned on December 31, 2014). During the winters of 2006-07 and 2007-08, two portable meters were also placed in the system. The data that was collected by these meters was determined to be inaccurate. Hydraulic modeling using Mike Urban/Mouse modeling software, has been performed on the sewer system. The result from this modeling is that no sewer currently needs to be upsized in District 3. This is supported by the low number of Sanitary Sewer Overflows caused by a lack of capacity experienced in the system.

8.3 Selected Capacity Analysis Type

Due to the conditions noted above, the most appropriate Capacity Analysis Type (see Section 8.3, Volume 1) would be “Type B”.

8.4 Capital Improvement Program and Funding

Based on the results of the proposed Capacity Analysis in Section 8.3, if improvements are needed to the SMD 3 sewer system, a Capital Improvement Program (CIP) and funding program will be developed to meet those needs. The capacity analysis has not been completed and therefore, the CIP and funding program cannot be presented.

8.5 CIP Schedule

The proposed schedule for the above noted work is as follows:

Proposed Project	Completion Year
CCTV Sewers	2019*
Pump Station Evaluation	2019*
Condition Assessment Report	2020*
Capacity Analysis	2020*
Capital Improvement Program	2021*

*The District operates under an ongoing Preventative Maintenance program that schedules portions of these Projects each year to ensure that each of the Projects are completed every ten years. Completion years for the current Project cycles are presented above.

**PLACER COUNTY SEWER MAINTENANCE DISTRICT 3
(SMD 3) HORSESHOE BAR/FOLSOM LAKE
SEWER SYSTEM MANAGEMENT PLAN**

9.0 MONITORING, MEASUREMENT, AND PROGRAM MODIFICATIONS

9.1 Introduction

As noted in Section 9 of the All Districts SSMP (Volume 1), Monitoring, Measurement, and Program Modifications is probably one of the most important components in developing a SSMP. Once all programs and projects listed in the previous chapters are implemented, they need to be monitored and measured in some form so they can be evaluated to determine their effectiveness. This evaluation is done by collecting data on a yearly basis that will show how effective they are in reaching the goals of the SSMP, reducing Sewer System Overflows (SSOs) and protecting the environment. The yearly SSO data is plotted to see rolling five-year trends as a part of the internal self-audit process that occurs every two years. Program modifications are made based upon the recommendations of these internal self-audits.

9.2 Maintain Relevant Information (Requirement 9.0 a)

Section 9 (Volume 1) lists a number of potential maintenance activities that could be tracked in any district, depending on specific circumstances. Table 9.1 lists the activities selected for this district. When data is available, Table 9.1 also lists the totals from the last three years for those activities to provide a baseline for evaluation.

Data from calendar years 2013 and 2014 are available now, but not presented here. The next internal SSMP self-audit will be performed in calendar year 2016 and will include data through calendar year 2015. For information on these measurement categories from calendar years beyond 2012, refer to the internal SSMP self-audit.

Table 9.1 SMD 3 Measurement Categories

Category	Units	Description	Units	Number By Year				
				2008	2009	2010	2011	2012
SSOs	--	Caused by Roots	Count	0	0	0	1	0
SSOs	--	Caused by Grease	Count	0	0	0	0	0
SSOs	--	Caused by Contractors	Count	0	0	0	0	0
SSOs	--	Caused by Vandalism	Count	0	0	0	0	0
SSOs	--	From Pump Stations	Count	0	0	0	0	0
SSOs	--	From Other Causes	Count	0	0	0	0	0
SSOs	--	Total Category 1	Count	0	0	0	1	0
SSOs	--	Total Category 2	Count	0	0	0	0	0
SSOs	--	Total SSOs	Count	0	0	0	1	0
Gravity Sewers	Miles	CCTV Inspection Sewers	Miles	5.60	4.82	.04	.31	.38
Gravity Sewers	Miles	Clean Sewers	Miles	11.37	4.05	5.47	3.55	4.34
Gravity Sewers	Miles	Sewer Rehabilitation Dig and Repair	Count	1	1	0	0	0
Gravity Sewers	Miles	Sewer Rehabilitation Pipe Lining	Linear Feet	0	0	0	0	0

Table 9.1 SMD 3 Measurement Categories (continued)

Category	Units	Description	Units	Number By Year				
				2008	2009	2010	2011	2012
Gravity Sewers	Miles	Smoke Test Sewers	Miles	.02	0	0	0	0
Gravity Sewers	Miles	Root Treatment	Miles	.72	.57	0	.08	.02
Force Mains	Miles	Force Main Pigged	Miles	0	0	0	0	0
Sewage Air Relief Valves	Each	ARV Maintenance	Count	0	4	5	1	2
Manholes	Each	Manholes Rehabilitation	Count	0	0	6	0	0
Pump stations	Each	Pump station Major Rehabilitation	Count	0	0	0	0	0
STEP Tanks	46 Each	Tanks Pumped	Count	0	1	3	9	17
STEP Units	46 Each	Units Repaired	Count	8	16	16	7	3

Note: Calendar year 2013 and 2014 data are now available but not presented here. The next internal SSMP self-audit will be performed in calendar year 2016 and will include data through calendar year 2015. For information on these measurement categories from calendar years beyond 2012, refer to the internal SSMP self-audit.

9.3 Monitor the Effectiveness of the SSMP and the Success of the Preventative Maintenance Program (Requirement 9.0 b-c)

The WDR requires Placer County to monitor the effectiveness of the SSMP and the success of the preventative maintenance program. Staff performed SSMP self audits every two years. The SMD 3 SSMP audit was last completed in October 2014.

9.4 Update Program Elements (Requirement 9.0 d)

The SSMP elements are updated every five years, at a minimum. The updates are based upon the recommendations of the internal SSMP self-audits that occur a minimum of every two years.

9.5 Identify and Illustrate SSO Trends (Requirement 9.0 e)

SSO trends are presented in the internal SSMP self-audits performed every two years. The audits specifically show trends of the number of SSO's, the category of SSO's and the volume of SSO's (total and unrecovered) over the previous 5 years. For specific trends, refer to the most recent internal SSMP self-audit.

**PLACER COUNTY SEWER MAINTENANCE DISTRICT 3
(SMD 3) HORSESHOE BAR/FOLSOM LAKE
SEWER SYSTEM MANAGEMENT PLAN**

10.0 SSMP PROGRAM AUDITS

10.1 Introduction

As mentioned in the introduction to this SSMP, a number of requirements or sections of the SSMP provide data pertaining to all nine Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “SSMP Program Audits” requirements.**

**PLACER COUNTY SEWER MAINTENANCE DISTRICT 3
(SMD 3) HORSESHOE BAR/FOLSOM LAKE
SEWER SYSTEM MANAGEMENT PLAN**

11.0 COMMUNICATION PROGRAM

11.1 Introduction

As mentioned in the introduction to this SSMP, a number of requirements or sections of the SSMP provide data pertaining to all nine Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Communication program” requirements.**

**PLACER COUNTY SEWER MAINTENANCE DISTRICT 3
(SMD 3) HORSESHOE BAR/FOLSOM LAKE
SEWER SYSTEM MANAGEMENT PLAN**

**12.0 SSMP COMPLETION AND
CERTIFICATION**

12.1 Introduction

As mentioned in the introduction to this SSMP, a number of requirements or sections of the SSMP provide data pertaining to all nine Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “SSMP Completion and Certification” requirements.**