Monitoring, Measurement, and Program Modifications

The performance criteria that are monitored are:

- Total number of SSOs (goal is less than 10);
- Number of SSOs for each cause (roots, grease, debris, pipe failure, capacity, pump station failure, and others);
- Portion of sewage contained compared to total volume spilled;
- Volume spilled sewage discharged to surface water;
- Miles of sanitary sewer lines cleaned (goal 90 miles);
- Miles of sanitary sewer inspected by CCTV (goal 15 miles)

Year	Total SSOs	Roots	F.O.G.	Debris	Vandalism	Pipe Failure	Capacity	Pump Station Failure	Other
2009	22	14	1	4	1				1
2010	20	12		5	1		1		
2011	14	9		4	1				
2012	5	5							
2013	7	2		4		1			

Year	Total Vol. Discharged	Vol. Contained	Vol. Discharged to Surface Water
2009	2208	1858	350
2010	5678	1003	4675
2011	499	499	0
2012	321	321	0
2013	7000	5128	1872

Year	Total System Miles	Total Miles Cleaned	Miles Mechanically Rodded	Miles Hydro-jet	Miles Inspected CCTV
2009	96	No data			15
2010	96	No data			15
2011	96	No data			24
2012	96	106.1	49.8	56.3	16
2013	96	97.8	42.1	55.7	12

The City uses a CMMS in which the sanitary sewer system is in a GIS database, the system is distributed into line cleaning routes, and each route has a schedule based upon the 2011 SSO Reduction Plan and the information that has been generated since that document was completed. The field crews are able to input data from their various activities and assign that data to a specific asset, e.g. a pipe segment. This data and other data, like any SSOs that occur, are used by the Collections Manager and Assistant Superintendent to modify the route schedules or initiate a repair work order. This data is also used to modify our Long Range Sanitary Sewer Capital Plan.

The Wastewater Dept. also maintains information, reports, and monitors the following:

- A database with all food service facilities and grease generating sites;
- Inspect all of these facilities on one to three year frequencies depending on the issues identified on each site:
- All issues identified on each site are resolved during the inspection by using appropriate educational outreach materials and enforcement;
- Monitors sewer lines identified by crews as having F.O.G. related issues and works on identifying the sources and resolving some of the reoccurring problems;
- Annually report number of facilities inspected and grease investigation conducted

SSMP Updates

The City will update its SSMP at least every five years. The City will determine the need to update its SSMP more frequently based on the results of the annual audit (required by the RWCQB) and the performance of its sanitary sewer system. In the event that the City decides that an update is warranted, the process to complete the update will be identified at that time. The City will complete the update within one year following identification of the need for an update. The authority for approval of changes such as employee names, contact information, or minor procedural changes is delegated to the Collections Manager.