

ACTION ITEM 7.2 – SEWER SYSTEM ASSET MANAGEMENT

ACTION ITEM

Maintain a computerized maintenance management system or asset management program that ensures proper management of the sanitary sewer system data.

OBJECTIVE

The objective of establishing a sewer system asset management program is to facilitate effective operation and maintenance of the system to ensure its proper functioning and to minimize the occurrence of overflows that threaten public health and water quality.

DESCRIPTION OF MEASURE

Collection system assets require routine care to ensure they function properly. A proper asset management program will build on the wastewater system inventory (Action Item 7.1) and identify the necessary maintenance actions recommended for the assets within the system. The asset management program may prioritize maintenance needs based on criticality of system components.

An asset management program, which may include a computerized maintenance management system (CMMS), will be developed to improve sewer system management, operation, inspection and maintenance. A CMMS is a tool for maintaining sewer system data; inventory and tracking equipment, available maintenance and repair materials, and material procurement information; tracking and documenting activities; tracking the value of sewer system assets; facilitating adequate overflow emergency response activities; and facilitating the development and implementation of a capacity certification program. An asset management system can be sophisticated, as in the case of a GIS-based program, or it can be of a more simple form, such as a spreadsheet. If a GIS-based program is chosen, system data may be used to map an entire sewer system; or portions thereof as needed for inspection and maintenance purposes. Moreover, the GIS-based program can be used to overlay sewer systems on land use categories or impaired stream segments for determining areas in need of inspection and maintenance.

Whenever possible, asset management programs for various jurisdictions within the Metro Water District should be designed in a manner that promotes coordination, communication, and data sharing among various sewer systems and local stormwater systems.

SPECIFIC SUB-TASKS

Sub-Task	Description
Select a CMMS or asset management approach	Determine whether a CMMS or asset management will be used and purchase any necessary software.
Implement a CMMS or asset management system	Maintain information on inspections, maintenance, and rehabilitation in the CMMS or asset management program.

Responsible Party
<input type="checkbox"/> Local Government <input checked="" type="checkbox"/> Local Wastewater Provider <input type="checkbox"/> Other: _____
In Coordination With
<input type="checkbox"/> Site Plan Review Staff <input type="checkbox"/> Community Development/ Zoning <input type="checkbox"/> Local Stormwater Program <input checked="" type="checkbox"/> Local Water Providers <input type="checkbox"/> County Board of Health <input checked="" type="checkbox"/> Other: <u>neighboring wastewater providers, as necessary</u>