

## ACTION ITEM 7.4 – SEWER SYSTEM MAINTENANCE PROGRAM

### ACTION ITEM

Maintain a sanitary sewer system maintenance program that focuses on minimizing system failures and cost-effectively extending the longevity of the wastewater collection system.

### OBJECTIVE

Scheduled proactive maintenance of the sanitary sewer collection system can prevent SSOs and other problems from occurring. Emergency maintenance activities may also be required based on information learned during sanitary sewer system inspection activities.

### DESCRIPTION OF MEASURE

The focus of sewer system maintenance activities is maintaining the hydraulic capacity of the sewer system since the primary function of the sanitary sewer system is conveyance. Additionally, a maintenance program must ensure operation and reliability of mechanical systems such as pump stations and generators.

Typically, two different classes of problems can reduce hydraulic capacity and reliability: structural and operational. Structural defects involve the degradation of the sewer pipe itself. Serious structural defects can lead to pipe collapse, causing SSOs. Sewer repair and rehabilitation activities are focused on restoring the structural integrity of the pipe. Most operational defects affect the hydraulic capacity of the pipe. Roots, sediments, fats, oils, and grease can all reduce the cross-sectional area of the pipe, which in turn reduces its hydraulic capacity. Sewer cleaning and source control activities are directed toward preventing or reducing the impacts of operational defects on the collection system. The sewer system maintenance program will include the following:

- Standard operating procedures as needed to support maintenance activities
- Routine inspection and service of all pumps and associated equipment
- Periodic cleaning of sewers and associated appurtenances
- Routine inspection and maintenance of the sewer system such as rights-of-way, stream crossings, stream banks adjacent to sewers, and force mains
- Tracking of maintenance activities

Maintenance data should be tracked, either in paper files, in an asset management database, or in a GIS database, to facilitate easy access and coordination with other sewer system management-related activities.

<p style="text-align: center;"><b>Responsible Party</b></p> <p><input type="checkbox"/> Local Government</p> <p><input checked="" type="checkbox"/> Local Wastewater Provider</p> <p><input type="checkbox"/> Other: _____</p> <p style="text-align: center;"><b>In Coordination With</b></p> <p><input type="checkbox"/> Site Plan Review Staff</p> <p><input type="checkbox"/> Community Development/ Zoning</p> <p><input checked="" type="checkbox"/> Local Stormwater Program</p> <p><input type="checkbox"/> Local Water Provider</p> <p><input type="checkbox"/> County Board of Health</p> <p><input type="checkbox"/> Other: _____</p>
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## Section 7: COLLECTION SYSTEM INSPECTION AND MAINTENANCE

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### SPECIFIC SUB-TASKS

Sub-Task	Description
Establish maintenance procedures	Develop a program and schedule for collection system maintenance activities
Implement maintenance program	Perform maintenance activities; either a routine maintenance program or a criticality-based approach.