

ATP Committee Meeting

November 20, 2013

Agenda

- Review System Analysis and Enforcement
- Review Program Outline
- Review Follow-up Tasks list
- Review schedule for balance of sessions

System Analysis

1) MWRD Facilities

- i. Evaluate MWRD interceptor capacity and develop updated transport/treatment cost for cost-effective analysis
- ii. Develop local storage standards/regulations and guidelines for local sewer system
- iii. Develop MWRD design storm and procedures to convert peak flow of a record storm to the design storm peak flow

2) Local Sewer System

- i. Develop performance metrics to define success
- ii. Develop percentage of system to be inspected/rehabilitated annually
- iii. Condition Assessment implementation (50% of system to be assessed)
- iv. Private Sector Program implementation (identify areas for internal/external inspection and source removal)

Enforcement

1) MWRD Enforcement

- i. Establish enforcement actions and incentives to comply with the following:
 - Long Term O&M Program (includes the Private Sector Program)
 - Submittal of the Annual Report to the MWRD for review/approval
- ii. Enforcement actions will include the following:
 - Ineligibility for MWRD financial assistance
 - Notice of non-compliance, show cause and civil penalties
 - Ineligibility of being an Authorized Municipality under the WMO
 - Permit moratorium

2) Community Enforcement:

- i. The local communities will establish an enforcement escalation hierarchy
- ii. Enact and enforce ordinance(s) to deal with non-compliance in the private sector.

Program Outline

1) Scope and Goals

- I. Eliminate basement backups (BBs).
- II. Eliminate waterway pollution through sanitary sewer overflows (SSOs).
- III. Eliminate sewer surcharging and other adverse sewer system conditions that cause public health hazards and financial losses.
- IV. Eliminate clear water entering the sanitary sewer system.

2) Applicability

- I. All tributary communities which own and/or operate a sanitary sewer system which discharges directly and/or indirectly to the District system.

Program Outline

3) Compliance Criteria

- I. Community to develop and complete a Short Term Plan within the first 5 years
- II. Community to develop and implement a Long Term O&M Program
- III. Community will annually report to the MWRD all inspections, maintenance, and rehabilitation work completed on their public and private system.

Program Outline

4) Short Term Plan

- I. Public Sector Condition Assessment and Rehabilitation
- II. Development of a Private Sector Investigation and Rehabilitation Program by each community to be implemented as part of their Long Term O&M Program. To be approved by the MWRD
- III. Development of a Long Term O&M Program by the community. To be approved by the MWRD.

Program Outline

5) Long Term O&M Program

- I. Implementation of the Private Sector Investigation and Rehabilitation Program
- II. Implementation of Public Sector Maintenance and Rehabilitation Program
 - Public Sector inspection, maintenance, cleaning and rehabilitation.
 - Proactive and Emergency/Reactive Programs
 - GIS Mapping
 - Asset Management/CMMS

Program Outline

6) Annual Reporting

- I. Reporting of Short Term Plan consist of the following:
 - Progress made toward completing their Public Sector Condition Assessment and Rehabilitation, developing the Private Sector Investigation and Rehabilitation Program and developing the Long Term O&M Program.
- II. Reporting of Long Term O&M Program activities will consist of:
 - All rehabilitation and maintenance completed on the public and private sewer system
 - Communities must demonstrate that they are inspecting, maintaining and rehabilitating a specific percentage of their system annually. (Percentage to be determined)

Program Outline

7) System Analysis

I. MWRD Facilities:

- Evaluate MWRD interceptor capacity and develop updated transport/treatment costs for cost-effective analysis.
- Develop local storage standards/regulations and guidelines
- Develop design storm

II. Local Sewer System:

- Develop performance metrics to define success
- Develop percentage of system to be inspected/rehabilitated annually.
- Condition Assessment implementation
- Private Sector Program implementation (identify areas for internal/external inspection and source removal).

Program Outline

8) Enforcement

I. MWRD Enforcement:

- The MWRD will establish enforcement actions and incentives to comply with the Long Term O&M Program (includes the Private Sector Program) and submittal of the Annual Report.

II. Community Enforcement:

- The local communities will establish an enforcement escalation hierarchy.
- Enact and enforce ordinance(s) to deal with non-compliance in the private sector.

Program Outline

9) Funding

- I. The District may provide funding options to the communities for their I/I removal/rehabilitation subject to Public Act 90-0690 as amended from time to time.
- II. IEPA – SRF funding is available to all communities within the District’s corporate limits. Currently, communities should apply for SRF loans individually.
- III. Communities may provide funding for their Short Term Plan and Long Term O&M Program via local sewer service fees or other funding options available to them.

Follow-up Tasks

- 2013
 - Standard definitions – SSO, BB, etc.
 - Annual reporting form
 - Establish enforcement penalties/incentives
- 2014 (1st Quarter)
 - Standards for manhole inspection, smoke testing, dye flooding, television inspection, flow monitoring, NAASCO Coding
 - Refinement of definition of “High Priority” defects (NAASCO Condition 4 and 5)
 - Refinement of maximum allowable peaking factor to exempt an area from Condition Assessment

Follow-up Tasks

- 2014-2019 (To be prioritized)
 - Outcome-based and flow-based metrics
 - Selection of design storm
 - CMOM service levels (dry/wet weather performance metrics)
 - Transport and Treatment costs for cost-effectiveness analysis
 - Interceptor capacity analysis and community storage guidelines
 - Private Sector Plan template – MWRD/ATP
 - Long Term O&M Program template – MWRD/ATP
 - GIS/CMMS assistance by MWRD
 - Private property program – policy decision on transfer ordinance, service lateral rehabilitation/replacement on tear down or major renovation
 - Funding program details and implementation – IEPA and MWRD
 - Communities complete individual Private Sector Plans
 - Communities complete individual Long Term O&M Program
 - MWRD assistance on flow monitoring and NexRad data

Draft Ordinance Sections

- November 20: System Analysis, Enforcement, Program Outline, Follow-up Tasks List
- December 3: Present to COGs
- December 18: Comments and Finalization
- January: Present to Board of Commissioners

Next Meeting

- December 18, 2013
- 1:00PM