



SECTION 1

MUNICIPAL OPERATIONS

1. MUNICIPAL OPERATIONS

INTRODUCTION

This section describes the Program's planned tasks during FY 08-09 to assist Co-permittees in reducing or eliminating adverse water quality impacts of operations and maintenance activities conducted by municipal staff. The planned tasks include Program efforts that are likely to be needed to assist the Co-permittees with compliance with the C.2 Provisions on the Municipal Regional Permit.

BACKGROUND

The goals of the Municipal Operations element are to maximize the removal of pollutants while sweeping streets, cleaning storm drain inlets/basins, and conducting other routine municipal maintenance activities; and to minimize non-stormwater discharges to storm drains and watercourses from maintenance-related activities.

Since 1996, the Program has developed and implemented the following performance standards which address reducing or eliminating water quality impacts of operations and maintenance activities conducted by municipal staff. They include:

Public Streets, Roads and Highways (PSRH) Operation and Maintenance (November 1996) – Defines the level of implementation that municipal agencies must attain to demonstrate that their local PSRH operation and maintenance activities reduce pollutants in stormwater to the maximum extent practicable;

Storm Drain System Operation and Maintenance (December 1996, updated March 1999) – Identifies maintenance activity implementation levels to optimize control of pollutants in stormwater during the performance of storm drain system operation and maintenance;

Water Utility Operation and Maintenance (January 1997) – Defines the level of implementation necessary to demonstrate the control of pollutants discharged from the operation and maintenance of municipal water supply utilities. See Section 9 for a description of FY 08-09 tasks relating to the Water Utility Operation and Maintenance Performance Standard.

Pest Management (February 2002) – Provides control measures which minimize pesticide use, particularly organophosphate pesticides, and reduce the amount of pesticides in stormwater and landscape runoff. See Section 8 for a description of pesticide toxicity control programs planned for FY 08-09.

Rural Public Works Maintenance and Support Activities (December 2002) – Defines the level of implementation necessary to ensure that required control measures are implemented while performing maintenance activities adjacent to streams.

The draft Municipal Regional Permit (MRP) contains requirements for all six Phase 1 municipal stormwater (MS4s) programs in the San Francisco Bay Area. The MRP Tentative Order was released on December 4, 2007. Provision C.2. in the Tentative Order contains requirements for operation and maintenance activities conducted by municipal staff, including requirements for:

- Street and road sweeping and cleaning;
- Sweeping equipment selection and operation;
- Street and road repair and maintenance;
- Sidewalk/plaza maintenance and pavement washing;
- Bridge and structure maintenance and graffiti removal;
- Catch basin or storm drain inlet inspection and cleaning;
- Operating and maintaining stormwater pump stations;
- Rural public works construction and maintenance; and
- Corporation yard BMP implementation.

PAST AND CURRENT ACTIVITIES RELATED TO MUNICIPAL OPERATIONS

Co-permittees continue to implement the performance standards described above while performing municipal operation and maintenance activities. Best management practices and control measures are incorporated into standard operating procedures for municipal operations. Training plays a major role in ensuring that Co-permittee staff use proper techniques during the course of their duties and is conducted annually.

Since the fall 2005, Program staff has been involved with Water Board staff and environmental NGO representatives in a process to develop the MRP. Work on the MRP is expected to continue through FY 07-08.

FY 08-09 IMPLEMENTATION TASKS

Table 1-1 presents a list of ongoing and anticipated MRP tasks that will be implemented in FY 08-09, their associated due dates, and the deliverables that will be completed for each task. These tasks include:

Ongoing tasks:

- Continue developing Co-permittee street sweeping summary tables. Include types of sweepers used, swept curb miles, volume or weight of materials collected and estimated pollutant load reductions for copper, nickel, lead and zinc.

Anticipated MRP Tasks:

- Develop guidance on the proper selection and operation of replacement street sweeping equipment which meets particulate removal performance requirements.
- Conduct operator training on efficient street sweeping methods. Include training which enhances operations for water quality benefit. Training will be conducted in concert with other maintenance training needs.
- Update and/or develop model BMPs for street and road repair and/or maintenance sites, as necessary.
- Update and/or develop model BMPs for sidewalk/plaza maintenance and pavement washing, as necessary. Encourage implementation of BMPs included in BASMAA's Mobile Surface Cleaner Program.

- Develop Co-permittee summary tables which report on all storm drain inlet/catch basin maintenance activities, including inspection and cleaning.
- Develop guidance on developing an inventory of pump stations within the Program's jurisdiction. Include locations, key characteristics and inspection frequencies. Develop maps depicting locations.
- Develop guidance on conducting investigations (Provision C.8.e.iii) that identify which pump stations are the most significant sources of dry weather pollutants within the Program's jurisdiction.
- Develop Co-permittee summary tables which report Co-permittee inspection results and maintenance activities at pump stations. Include volume of mass of waste materials removed from pump stations.
- Review current BMPs for Rural Roads and road and culvert construction and maintenance, and recommended revisions, if necessary.
- Develop education and outreach piece on permitting requirements for rural public works activities that stresses the importance of proper planning and construction.
- Conduct workshop for rural public works maintenance staff on implementation of performance standards and support activities, including reporting on increased maintenance in priority areas.
- Develop Co-permittee summary tables which report inspection results at all corporation yards.

**Table 1-1
Schedule and Deliverables for FY 08-09 Municipal Operations Tasks**

Task from MRP Tentative Order	Schedule	Deliverables
Street and Road Sweeping and Cleaning		
Ongoing tasks <ul style="list-style-type: none"> Continue developing Co-permittee street sweeping summary tables. Include types of sweepers used, swept curb miles, volume or weight of materials collected and estimated pollutant load reductions for copper, nickel, lead and zinc. Submit in the FY08-09 Annual Report. 	Ongoing- FY 07-08 Annual Report and future ARs	<ul style="list-style-type: none"> Guidance on data collection and submittal for inclusion in Annual Report.
Sweeping Equipment Selection and Operation		
<ul style="list-style-type: none"> Develop guidance on the proper selection and operation of replacement street sweeping equipment which meets particulate removal performance requirements. Conduct operator training on efficient street sweeping methods. Include training which enhances operations for water quality benefit. Training will be conducted in concert with other maintenance training needs. 	6/09 6/09	<ul style="list-style-type: none"> Memorandum on the proper selection and operation of replacement street sweeping equipment Training session, guidance materials, evaluation summary
Street and Road Repair and Maintenance		
<ul style="list-style-type: none"> Update and/or develop model BMPs for street and road repair and/or maintenance sites, as necessary. 	6/09	<ul style="list-style-type: none"> Updated Performance Standards
Sidewalk/Plaza Maintenance and Pavement Washing		
<ul style="list-style-type: none"> Update and/or develop model BMPs for sidewalk/plaza maintenance and pavement washing, as necessary. Encourage implementation of BMPs included in BASMAA's Mobile Surface Cleaner Program. 	6/09	<ul style="list-style-type: none"> Updated Performance Standards Guidance on data collection and submittal for inclusion in Annual Report
Catch Basin or Storm Drain Inlet Inspection and Cleaning		
<ul style="list-style-type: none"> Develop Co-permittee summary tables which report on all storm drain inlet/catch basin maintenance activities, including inspection and cleaning. Submit in the FY08-09 Annual Report. 	6/09	<ul style="list-style-type: none"> Guidance on data collection and submittal for inclusion in Annual Report

**Table 1-1, continued
Schedule and Deliverables for FY 08-09 Municipal Operations (C.2.)**

Task from MRP Tentative Order	Schedule	Deliverables
Storm Water Pump Stations		
<ul style="list-style-type: none"> • Develop guidance on developing an inventory of pump stations within the Program's jurisdiction. Include locations, key characteristics and inspection frequencies. Develop maps depicting locations. Submit maps and inventory in the FY 08-09 Annual Report. • Develop guidance on conducting investigations (Provision C.8.e.iii) that identify which pump stations are the most significant sources of dry weather pollutants within the Program's jurisdiction. • Develop Co-permittee summary tables which report Co-permittee inspection results and maintenance activities at pump stations. Include volume of mass of waste materials removed from pump stations. Submit in the FY 08-09 Annual Report 	<p align="center">3/09</p> <p align="center">6/09</p> <p align="center">12/08</p> <p align="center">6/09</p>	<ul style="list-style-type: none"> • Guidance on data collection and submittal for inclusion in Annual Report • Pump Station Inventory • Pump Station Maps • Memorandum on investigations at pump stations • Guidance on data collection and submittal for inclusion in Annual Report
Rural Public Works Construction and Maintenance		
<ul style="list-style-type: none"> • Review current BMPs for Rural Roads and road and culvert construction and maintenance, and recommended revisions, if necessary. • Develop education and outreach piece on permitting requirements for rural public works activities that stresses the importance of proper planning and construction. 	<p align="center">6/09</p> <p align="center">6/09</p>	<ul style="list-style-type: none"> • Updated Performance Standards • Fact Sheet
<ul style="list-style-type: none"> • Conduct workshop for rural public works maintenance staff on implementation of performance standards and support activities, including reporting on increased maintenance in priority areas. 	<p align="center">6/09</p>	<ul style="list-style-type: none"> • Workshop, guidance materials, evaluation summary
Corporation Yard BMP Implementation		
<ul style="list-style-type: none"> • Develop Co-permittee summary tables which report inspection results at all corporation yards. Submit in the FY08-09 Annual Report. 	<p align="center">6/09</p>	<ul style="list-style-type: none"> • Guidance on data collection and submittal for inclusion in Annual Report