O&M (C.3.h) Inspections What's required now What's coming in MRP 2.0

Kristin Kerr EOA, Inc.

May 5, 2015





Outline of Presentation

- O&M Verification Inspection Requirements in the Municipal Regional Permit (MRP) 1.0
- Possible new requirements in MRP 2.0
- Maintenance Assurance
- O&M Verification Inspection Plans
- Tracking and Reporting O&M Inspections





Bay Area MRP 1.0

- Consolidates six Phase 1 municipal permits into one regional permit (76 permittees):
 - San Mateo, Santa Clara, Alameda, and Contra Costa Counties, Fairfield-Suisun and Vallejo (Solano Co.)
- Effective date: Dec. 1, 2009
- Provision C.3 covers requirements for new development and redevelopment projects, and inspection and reporting requirements





Permanent Facilities that Require O&M Inspections

- Provision C.3.h of the MRP requires agencies to conduct inspections to verify operation & maintenance (O&M) of:
 - Stormwater treatment measures, and
 - Hydromodification management measures
- Applies to measures associated with a Regulated Development Project





Stormwater Treatment Measures

 Low impact development (LID) treatment systems (biotreatment, infiltration, rainwater harvesting systems)







Stormwater Treatment Measures

 Vault-based systems (hydrodynamic separators, media filters, proprietary tree well filters)







Hydromodification Management (HM) Facilities

 Basin, tank, pipe, or vault with specially designed outlet to slowly release water.









MRP 1.0 O&M Requirements (Provision C.3.h)

- Agencies subject to the MRP must:
 - Require facility owners to conduct ongoing maintenance (e.g., maintenance agreement).
 - Prepare and implement plan for annual O&M verification inspections, including new installations.
 - Conduct O&M verification inspections; provide enforcement as needed.
 - · Track and report on inspections.





What about Municipalityowned Facilities?

- O&M inspection requirements do not distiguish between municipal and nonmunicipal facilities
- Inspect, track and report on facilities at municipal Regulated Projects that your municipality is responsible for maintaining





Maintenance Assurance

- Provision C.3.h requires property owner to assure ongoing operation and maintenance
- Permittees' O&M Verification Program must include legally enforceable mechanism(s):
 - · Conditions of approval
 - Signed statement accepting responsibility (e.g., maintenance agreement)
 - Conditions in sales or lease agreements
 - Home owner association CC&Rs
 - Recordation in property deed





Maintenance Agreement

- Identifies responsible party
- Grants access to municipal inspectors, Water Board staff, and Vector Control District staff
- Lists self-inspection and reporting requirements
- Includes O&M Plan for each treatment/HM facility (templates available in C.3 Technical Guidance, Appendix G)
- Includes site map and locations of each facility
- Describes enforcement and penalties





O&M Verification Inspection Plan

- Each fiscal year, inspect:
 - All newly installed stormwater treatment and HM facilities within 45 days of installation
 - 20% of the total number of installed stormwater treatment and HM facilities
 - 20% of all installed vault-based systems
- All installed treatment/HM facilities must be inspected at least once every 5 years
- No current requirement to inspect during construction



Lessons Learned from NOVs

- Round up when calculating 20 % of treatment/HM facilities per year, AND when calculating 20 % of vault systems.
 - If your agency has fewer than 5 facilities, be sure to inspect at least one per year.
- Annual Reporting year is July 1 June 30
 - Inspections must be completed during this time period
 - Exception is when a treatment/HM facility is installed in late May/June





MRP 2.0 C.3.h Requirements (In the Admin Draft)

- Pervious Pavements (PP)
 - Require facility owners to build PP with standard details.
 - Start inspecting PP on new Regulated Projects
 - -PP over a certain size (1,000 sq ft of contiguous surface has been proposed.)
 - -PP only on roadways, driveways and parking lots
 - —And PP on sidewalks in the public right of way.
 - Track and Report PP inspections in the Annual

MRP 2.0 C.3.h Requirements (In the Admin Draft) continued...

- Inspections
 - 20%/year change from requirement to goal
 - Vault-based system reports from maintenance contractors may count towards 20% goal
- Enforcement
 - Property owners with maintenance issues may be required to correct items in a timely manner





Vector Control District Coordination

- List of newly-installed facilities must be submitted each year:
 - To San Mateo County Mosquito and Vector Control District and Regional Water Board
 - Submitted before October 1



Countywide Program makes the submittal based on info in your Annual Report





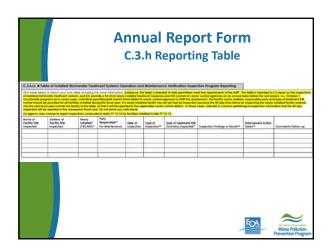
Tracking & Reporting Requirements

- O&M Verification Inspection Checklist
- Annual Report O&M Inspection Table
- Each agency should have an internal tracking table
 - NOT submitted with Annual Report
 - Can be requested by Regional Board at any





O&M Verification Checklist



Annual Report Form

- Name of facility/site inspected
- Address
- If newly installed
- Party responsible for maintenance
- Date of inspection
- Type of inspection (initial, annual, follow-up, spot)
- Type of stormwater treatment/HM control
- Inspection findings/results
- Enforcement actions taken
- Comments/Follow-up





Data Tracking

- Similar to AR Data Except.....
 - Name of facility/site inspected
 - Address specific description of location of treatment/HM controls
 - If newly installed date of installation
 - Party responsible for maintenance
 - Date of inspection
 - Type of inspection (initial, annual, follow-up, spot)
 - Type of stormwater treatment/HM control type
 - Inspection findings/results
 - Enforcement actions taken
 - Comments/Follow-up corrective act



For More Information...

- Countywide Program Password Protected ND page <u>www.flowstobay.org</u> (log in, then click on "New Development")
 - O&M Verification Inspection Plan Template
 - O&M Verification Inspection Checklist
 - Model Maintenance Agreement
- SF Bay Municipal Regional Stormwater Permit (Google it!)





Questions?

Kristin Kerr 510-832-2852 x122 kakerr@eoainc.com

Peter Schultze-Allen 510-832-2852 x128 pschultze-allen@eoainc.com



