

Annual C3 Workshop October 29, 2019

Why Do We Do Inspections? A Review of Stormwater Permit Requirements

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Outline of Presentation

- O&M Verification Inspection Requirements in the Municipal Regional Stormwater Permit
- Maintenance Assurance
- O&M Verification Inspection Plans
- Tracking and Reporting O&M Inspections
- Enforcement Response Plans





Bay Area Municipal Regional Permit (MRP)

- One regional permit for urbanized areas (total of 76 permittees):
 - San Mateo, Santa Clara, Alameda, and Contra Costa Counties, Fairfield-Suisun, and Vallejo
- Current MRP effective
 1/1/16 12/31/20
- Key requirements:
 - Low Impact Development (LID); Green Infrastructure
 - Monitoring and control measures for pollutants of concern: Trash, Mercury, PCBs, Pesticides







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:
 - Pervious pavement systems ≥ 3,000 sq ft
 - Stormwater treatment measures
 - Hydromodification management (HM) measures
- Applies to measures associated with a Regulated Project
- GSI measures should be inspected and maintained but not covered by C.3.h





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
 - Have an enforcement response plan to bring facility owners into compliance





What about Municipal Facilities?

- O&M inspection requirements do not distiguish between municipal and nonmunicipal facilities
- Inspect, track and report on O&M of facilities at municipal Regulated Projects that your municipality is responsible for maintaining
- For non-regulated facilities (GSI), do not need to track and report inspections and maintenance (but <u>do</u> need to report newly constructed facilities)





Maintenance Assurance

- Provision C.3.h requires property owner to assure ongoing O&M
- 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 Stormwater Handbook, Appendix G)
- Includes site map and locations of each facility
- Describes enforcement and penalties





O&M Inspection Plan

- Each fiscal year, inspect:
 - All newly installed pervious pavement, stormwater treatment, and HM facilities at completion of installation
 - An average of 20% (at least 15%) of total number of installed pervious pavement, stormwater treatment, and HM facilities
 - For vault-based systems, can accept 3rd party inspection reports
- All installed pavement/treatment/HM facilities must be inspected at least once every 5 years
- No requirement to inspect during construction (but recommended)





O&M Enforcement Response Plan (ERP)

- O&M ERPs were required beginning in 2017
- Guidance for inspectors to take consistent actions to bring sites into compliance
 - Identify enforcement tools
 - Roles and responsibilities of staff
 - Time period for implementing corrective actions
- Corrective actions must be implemented within 30 days of inspection
 - Actions can be temporary and more time allowed for permanent corrections (with explanation)





Lessons Learned from NOVs

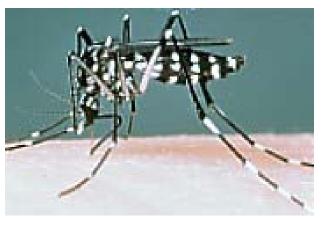
- Round up when calculating ~20% of pavement/treatment/HM facilities per year
 - If your agency has fewer than 5 facilities, be sure to inspect at least one per year
- Annual Reporting year is July 1 June 30
 - Inspections must be completed during this time period when computing 20%





Vector Control District Coordination

- List of newly-installed facilities (including GSI) must be submitted each year to Santa Clara County Vector Control District and Regional Water Board
- Must be submitted before October 1



 SCVURPPP makes the submittal based on info in your Annual Report





Tracking & Reporting Requirements

- O&M Verification Inspection Checklist
- Annual Report O&M Inspection Table (summary statistics)
- Each agency should have an internal tracking table with data on each inspection
 - NOT submitted with Annual Report
 - Can be requested by Regional Board at any time





O&M Verification Checklist

	te: Time:	File Number	r:	
	inicipalityspectors	Agency or [Department: _	_
I.		TION		
•	□ Initial	☐ Follow-up	☐ Other	
	☐ Routine		_	requency:
II.	PROJECT INFORMATI			· · ·
1.	ID # or Assessor Parcel Number: 2. Date of Installation			
				□Road □Institutional □Other
	Site Address:			
				one:
5.	If the property owner is different than the contact name, fill out information below: Owner Name: Title: Owner's Address: Phone:			
	Owner's Address:		ritie:	Phone:
6.	If the BMP operator is different than the contact name, fill out information below: Name: Title: Phone: Phone:			
7	Maintenance Documentat	a appear to up towards to see	rs in the control of	Available Other:
		1 Documentation: □Property		
0.	raity responsible for Oall		DWITEL LIDIVIE	
III.	BMP TYPE AND INSPE			spection Results with Definitions" sheet)
	Biofiltration Vegetated Swale Vegetated Buffer Strip Bioretention Roof Gardens Planter Boxes Detention Extended Detention Basin Wet Pond Wetland	□ Porous Pavement □ Media Filter □ Hydrodynamic Separa □ Vortex Separator □ Water Quality Inlet □ Underground Detentio □ Wet Vault	n Systems	☐ Infiltration Trench ☐ Exfiltration Trench ☐ Retention/Irrigation ☐ Other (describe): ☐





Annual Reporting – Newly Installed Systems

- Must annually provide list of newly installed treatment and HM measures to Vector Control and Regional Water Board
- Information to be reported includes:
 - Name of facility/site where control measure is located
 - Address of facility/site
 - Party responsible for maintenance
 - Type of treatment/HM measure (does not include pervious pavement)





Annual Reporting – Summary of O&M Inspections

- Total no. of Regulated Projects
 - At the end of previous FY
 - At the end of reporting period (current FY)
- Total no. of Regulated Projects that had O&M verification inspections during current FY
- Percent of total Regulated Projects inspected during current FY
 - [No. inspected in current FY] ÷ [No. at end of previous FY] × 100%





Data Tracking

- Database or Electronic Tabular Format
 - Name of facility/site inspected
 - Address and specific description of location of pervious pavement/treatment/HM controls
 - Date of installation
 - Owner and party responsible for maintenance
 - Type and size of pervious pavement/stormwater treatment/HM control
 - Date of inspection
 - Type of inspection (installation, annual, follow-up, spot)
 - Inspection findings/results
 - Enforcement actions taken
 - Comments/follow-up including corrective actions





For More Information...

- SF Bay Municipal Regional Stormwater Permit (Google it!)
 - Provision C.3.h
- SCVURPPP Website

www.scvurppp.org

 Click on Elements, New Development and Redevelopment, Operation and Maintenance, OR go to Library





Questions?



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