

MRP C.6 REFRESHER



ALINA CONSTANTINESCU, LARRY WALKER ASSOCIATES
MARCH 30, 2022



CONTRA COSTA
CLEAN WATER
PROGRAM

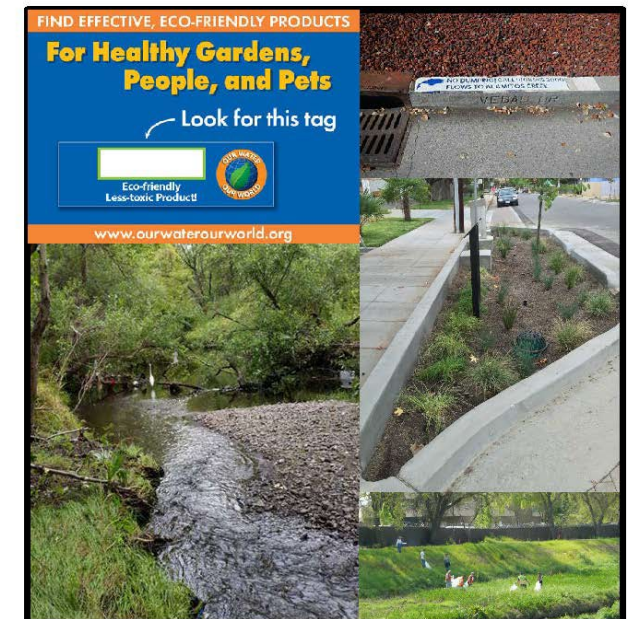
Municipal Regional Permit (MRP) 2.0

- ▶ All local jurisdictions are responsible for implementing programs to protect the quality of discharges from their stormwater drainage systems
- ▶ Provision C.6 of the MRP requires Permittees implement a construction site control program to prevent construction site discharges of pollutants and impacts on receiving waters



California Regional Water Quality Control Board
San Francisco Bay Region
Municipal Regional Stormwater NPDES Permit

Order No. R2-2015-0049
NPDES Permit No. CAS612008
November 19, 2015



Construction Site Control Requirements

- ▶ C.6.a – Legal Authority
- ▶ C.6.b – Enforcement Response Plan (ERP)
- ▶ C.6.c – Best Management Practices Categories
- ▶ C.6.d – Plan Approval Process
- ▶ C.6.e – Inspections, tracking and reporting
- ▶ C.6.f – Staff Training

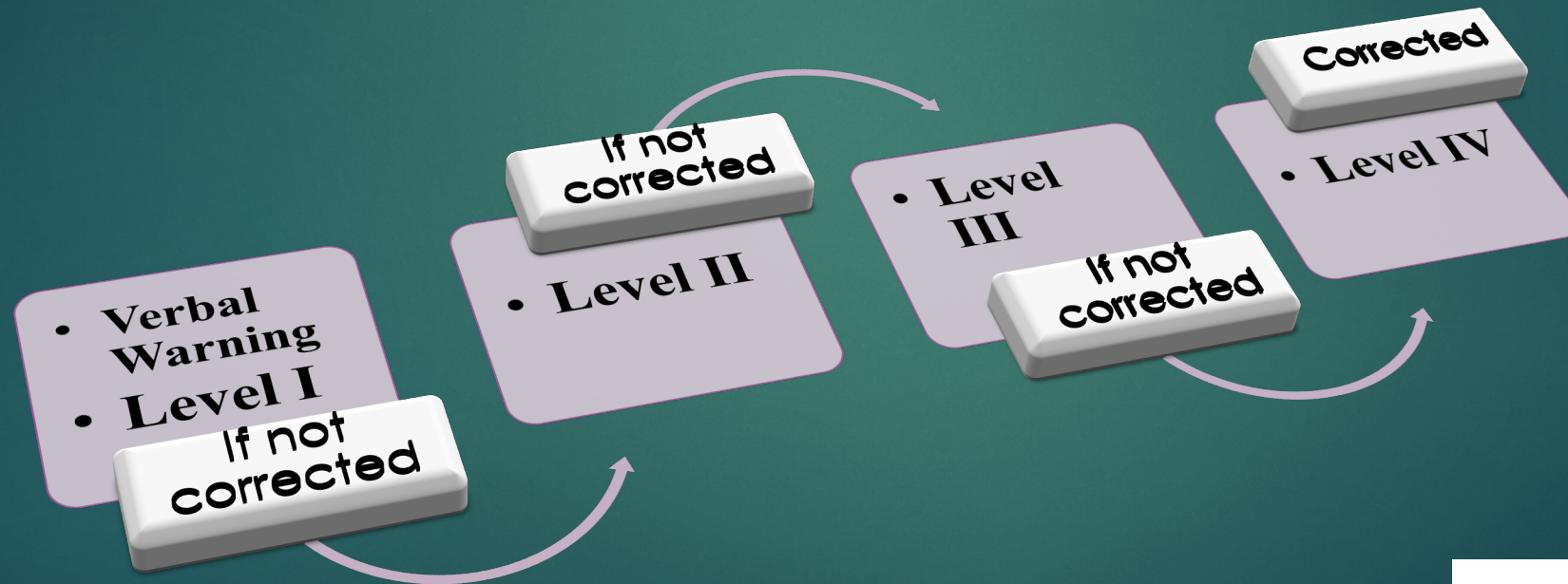
C.6.a – Legal Authority

- ▶ Each jurisdiction is required to have the legal authority and ability to prevent discharges of pollutants and implement progressively stricter enforcement
 - ▶ Require effective stormwater pollutant controls
 - ▶ Oversee and inspect projects
 - ▶ Require expedient cleanup



C.6.b – Enforcement Response Plan (ERP)

- ▶ ERP provides guidance for inspectors on initiating and escalating enforcement actions



What is Timely Correction?

- ▶ Actual discharges must be stopped immediately
- ▶ For other issues, implement actions before the next rain event but no later than 10 days after discovery
 - ▶ Temporary measures to mitigate the situation are considered corrective action
 - ▶ If temporary measures are used you may allow more time for permanent actions
- ▶ Document and provide a rationale for any corrective actions that take longer than 10 days

C.6.c – Best Management Practices Categories

- ▶ All sites must implement BMPs in the following categories:
 1. Erosion Control
 2. Sediment Control
 3. Run-on and Runoff Control
 4. Active Treatment Systems (as needed)
 5. Good Site Management
 6. Non-Stormwater Management



C.6.d – Plan Approval Process

- ▶ Before issuing a grading permit, review **erosion control plan** to ensure that it:
 - ▶ Conforms to the local grading ordinance and other local requirements
 - ▶ Contains seasonally appropriate and effective BMPs
- ▶ Confirm sites one acre or more have filed for coverage under the State CGP (has a WDID #)
- ▶ Provide education materials, as appropriate



C.6.e – Inspections

- ▶ Send annual wet season notification by September 1
- ▶ Conduct monthly inspections October – April
 - ▶ ≥ 1 acre sites, hillside projects, and high priority sites
- ▶ Review adequacy of BMPs and consistency with local ordinances
- ▶ Require timely corrections of actual or potential problems observed



CONTRA COSTA
CLEAN WATER
PROGRAM

Monthly Rainy Season Inspections Required

≥1 acre sites

- Sites that disturb 1 acre or more of land (CGP sites)

Hillside projects

- Sites disturbing ≥5,000 sf of land that:
 - Meet local hillside development criteria
 - Or
 - Are in local hillside development zones
 - Or
 - Where there are no local criteria, sites with ≥15% slope


High priority sites

- Determined by the Regional Board or local jurisdiction
 - Erosion potential
 - Soil type
 - Slope
 - Size/type
 - Sensitivity/proximity of receiving water
 - NSWDS
 - Other factors

Rainy season is October - April

C.6.e – Tracking

- ▶ Use written or electronic inspection form
 - ▶ Program developed a standard inspection form
- ▶ Track/log data
 - ▶ Inspection log must be made available to Regional Water Board during inspections or audits
- ▶ Follow ERP if violations are found

Construction Site Inspection Report					
Project Name:				Inspection Date:	
Location				Current weather (check all that apply) <input type="checkbox"/> Sunny <input type="checkbox"/> Cloudy <input type="checkbox"/> Windy <input type="checkbox"/> Rainy	
Permit No.		Permit Type: <input type="checkbox"/> Building <input type="checkbox"/> Grading <input type="checkbox"/> Site Development <input type="checkbox"/> CIP Project		Has there been rainfall with runoff since last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Project Type: <input type="checkbox"/> Commercial/Industrial <input type="checkbox"/> Residential <input type="checkbox"/> Street Improvement <input type="checkbox"/> Landscaping				Reason for inspection: <input type="checkbox"/> Routine <input type="checkbox"/> Pre-Rain	
Does the project disturb one acre or more? <input type="checkbox"/> Yes <input type="checkbox"/> No		Erosion Control Plan on site? <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> During Rain <input type="checkbox"/> After Rain <input type="checkbox"/> Follow-up	
Copy of NOI submitted? <input type="checkbox"/> Yes <input type="checkbox"/> No		SWPPP on site? <input type="checkbox"/> Yes <input type="checkbox"/> No Date on SWPPP: _____		Date on Erosion Control Plan: _____	
Covered by Statewide Construction General Permit? <input type="checkbox"/> Yes <input type="checkbox"/> No				High Priority Site? <input type="checkbox"/> Yes <input type="checkbox"/> No	
					
If, following discovery of a violation, more than 10 business days will be required to achieve compliance, then include a rationale for that schedule in the comments.					
Erosion Control Measures					
Jute Netting/Fiber Blankets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Comments
Mulch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hydroseed/Soil Binder/Compost Blanket	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mark Areas to be Preserved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tree Protection Fencing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Riparian Area Barrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sediment Control Measures					
Wattles/Fiber Rolls/Compost Socks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Comments
Silt Fences/Compost Berms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sedimentation Basin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Inlet Filters (bags, sand, gravel)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Dust Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stabilized Construction Entrance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Check Dams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Street Sweeping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Earth Dikes/Drainage Swales	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Run-on and Run-off Control					
Earth Dikes/Drainage Swales	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Comments
Sampling is conducted if required (CIPs only)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Active Treatment System					
<input type="checkbox"/>					
Good Site Management					
Construction Materials (wood, cement, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Comments
Petroleum Products (oil, fuel)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hazardous Materials (paint, solvents)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Waste Systems Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Soil Stockpiles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vehicle Servicing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Non-Stormwater Management					
Concrete Washout Area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Comments
Sampling is conducted if required (CIPs only)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Discharge Points					
Are the discharge points free of evidence of illicit discharge? <input type="checkbox"/> Yes <input type="checkbox"/> No					
Enforcement and Follow-up		Date Problem First Identified: _____		Next Follow Up Inspection Date: _____	
Comments					
Enforcement Action: <input type="checkbox"/> None/In compliance <input type="checkbox"/> Verbal Notice <input type="checkbox"/> Notice to Comply <input type="checkbox"/> Notice of Violation <input type="checkbox"/> Stop Work <input type="checkbox"/> Administrative Fine					
Resolution <input type="checkbox"/> Problem Fixed <input type="checkbox"/> Need More Time <input type="checkbox"/> Escalate Enforcement <input type="checkbox"/> Date Problem Resolved: _____					
Was there rain with runoff after the problem was identified and before it was resolved? <input type="checkbox"/> Yes <input type="checkbox"/> No					
Inspector	Signature _____				Date _____

C.6.e – Reporting

Information to be reported

- a. Number of active hillside sites <1 acre
- b. Number of sites ≥ 1 acre
- c. Number of active high priority sites <1 acre
- d. Number of inspections conducted
- e. Number and type of enforcement actions
- f. Number of illicit discharges (actual and inferred)
- g. Number of enforcement actions or discrete number of potential and actual discharges fully corrected

Annual Report Template: Number of Inspections

C.6.e.iii.(3)(a), (b), (c), (d) ▶ Site/Inspection Totals			
<p>Number of active Hillside Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.3.a)</p>	<p>Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii. 3.c)</p>	<p>Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.3.b)</p>	<p>Total number of storm water runoff quality inspections conducted (include only Hillside Sites, High Priority Sites and sites disturbing 1 acre or more) (C.6.e.iii. 3.d)</p>
<p>#</p> <p>Guidance: This is the total number of SITES considered Hillside Projects based on criteria submitted in FY 2015-2016 Annual Report, which triggers a requirement for monthly inspection during the rainy season.</p>	<p>#</p> <p>Guidance: This is the total number of SITES considered high priority, which triggers a requirement for monthly inspection during the rainy season. Please see MRP for discussion of what sites are considered high priority sites. Sites disturbing less than one acre of soil that are not considered high priority by the Permittee should not be reported here.</p>	<p>#</p> <p>Guidance: This is the total number of SITES that disturb one or more acres of soil and are inspected monthly during the rainy season.</p>	<p>#</p> <p>Guidance: This is the total number of INSPECTIONS conducted at hillside sites, high priority sites and at sites disturbing one or more acres of soil. Do not list inspections that are conducted at sites that are not within these two categories.</p>
<p>Comments:</p> <p>Guidance: Do not leave any cells blank. Provide explanatory details about the data reported above if necessary.</p>			
<p>Provide the number of inspections that are conducted at sites not within the above categories as part of your agency's inspection program and a general description of those sites, if available or applicable.</p> <p>Guidance: Do not leave this cell blank. Write the number of inspections and general description of sites inspected, or write "Information not available" or "Does not Apply".</p>			

Annual Report Template: Enforcement Actions

C.6.e.iii.(3)(e) ► Construction Related Storm Water Enforcement Actions

Guidance: Do not leave any cells blank. Provide a brief description of each enforcement action level (e.g., verbal warning, notice of violation, stop work order, legal action, etc.)

	Enforcement Action (as listed in ERP) ¹	Number Enforcement Actions Issued
Level 1 ²		
Level 2		
Level 3		
Level 4		
Total		

C.6.e.iii.(3)(f), ► Illicit Discharges

Guidance: Do not leave any cells blank.

	Number
Number of illicit discharges, actual and those inferred through evidence at hillside sites, high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii. 3.f)	

Annual Report Template: Enforcement Actions

C.6.e.iii.(3)(g) ► Corrective Actions

Indicate your reporting methodology below.

Permittee reports multiple discrete potential and actual discharges at a site as one enforcement action.

Permittee reports the total number of discrete potential and actual discharges on each site.

	Number
Enforcement actions or discrete potential and actual discharges fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii. .3.g)	

Comments:

Guidance: Do not leave any cells blank. Provide an explanation for each enforcement actions or discrete potential and actual discharges not resolved within 10 days or otherwise deemed resolved in a longer but still timely manner. Potential and actual discharges are the problems tracked using illicit discharge and the six BMP categories according to C.6.e.ii.(4)(e).

Annual Report Template: Trends & Effectiveness

C.6.e.iii.(4) ► Evaluation of Inspection Data

Describe your evaluation of the tracking data and data summaries and provide information on the evaluation results (e.g., data trends, typical BMP performance issues, comparisons to previous years, etc.).

Description:

C.6.e.iii.(4) ► Evaluation of Inspection Program Effectiveness

Describe what appear to be your program's strengths and weaknesses, and identify needed improvements, including education and outreach.

Description:

Guidance: Evaluate your construction inspection program and summarize efforts conducted by your municipality in FY 18-19 to implement MRP requirements, such as: 1) revised stormwater construction inspection forms and inspection data tracking tools; 2) revised operating procedures and provided training to inspectors; 3) conducted inspections with the new forms; 4) participated in the countywide program's committees/work groups; and 5) participated in the BASMAA Development Committee (if applicable). Refer to the C.6 Construction Site Control section of countywide program's FY 18-19 Annual Report (if applicable) for a description of activities at the countywide or regional level.



CONTRA COSTA
CLEAN WATER
PROGRAM

Annual Report Template: Staff Training

C.6.f.iii ► Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance



C.6.f – Staff Training

- ▶ Provide training or access to training for staff involved in construction site stormwater inspections
- ▶ Training to be provided at least every other year



Today's workshop meets the C.6.f training requirement

Summary of MRP Provision C.6

- ▶ Review **erosion control plans**
- ▶ **Inspect sites** to confirm effective BMP implementation
- ▶ Perform follow-up and enforcement consistent with your agency's **ERP** to correct problems
 - ▶ Escalate enforcement as appropriate
- ▶ **Report** data that summarizes your effort and demonstrates the effectiveness of your construction program
- ▶ **Train staff** responsible for these tasks



CONTRA COSTA
CLEAN WATER
PROGRAM

Questions

