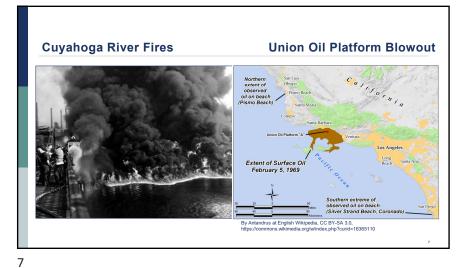
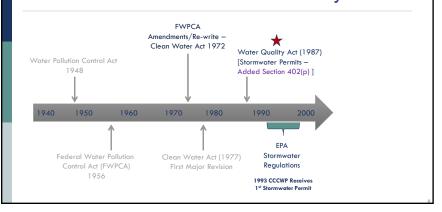


erview and Introductions	
Welcome and Complete Knowledge Survey	9:00-9:05
Construction Phase Stormwater Pollutants & Regulations	9:05-9:15
MRP Provision C.6	9:15-9:30
C.6 BMP Toolbox	9:30-9:50
Break	9:50-10:00
Inspections and Documentation Best Practices and Tools	10:00-10:15
Inspection Situations	10:15-10:30
2022 CGP Overview	10:30-10:50
Wrap up and Complete Knowledge Survey and Evaluation	10:50-11:00

Setting	



Clean Water Act – Brief History





Common sources of water pollutants on construction sites Material/Activity Pollutant Effect on Creeks

Grading/soil disturbance	Sediment	 Fills spawning gravels, clogs gills, impairs ability to hunt Carries other pollutants
Concrete wastewater	рН	Toxic to aquatic life
Concrete wastewater Vehicle fueling & maintenance	Metals	Toxic to aquatic life
Paints and solvents	Synthetic organic compounds	Toxic to aquatic life
Landscape trimmings and fertilizers	Nutrients, Biochemical oxygen demand	Causes algal blooms, depletes oxygen
Asphalt/Paving Vehicle fueling & maintenance	Oil & grease	Causes sheen, toxic to aquatic life

10





C.6 Construction Inspection Workshop

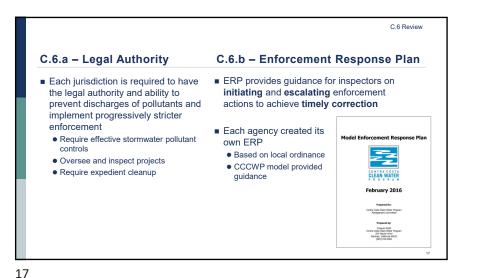




13



MRP specifies six
elements for
construction site
control programsC.6.a - Legal AuthorityImage: C.6.b - Enforcement Response Plan (ERP)Image: C.6.c - Best Management Practices CategoriesImage: C.6.d - Plan Approval ProcessImage: C.6.e - Inspections, tracking, and reportingImage: C.6.f - Staff training





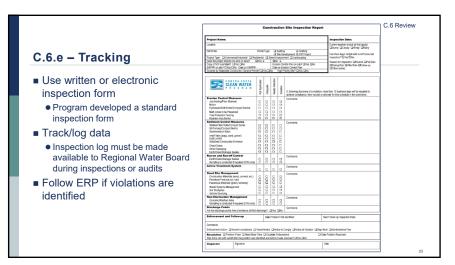
C.6 Review C.6.c.d – Plan Approval Process Before issuing a grading permit ... 9. Review erosion control plan 1. Conforms to the local grading ordinance and other local requirements 2. Contains seasonally appropriate and effective BMPs 1. Confirm sites <u>one acre or more</u> have filed for coverage under the State Construction General Permit (CGP) 2. Site has a WDID # 1. Provide educational materials, as appropriate



C.6 Review **Monthly Rainy Season Inspections Required** ≥1 acre sites Hillside projects High priority sites Sites that disturb 1 acre ■ Sites disturbing ≥5,000 sf of land Determined by the Regional or more of land (CGP that: Board or local jurisdiction sites) Meet local hillside development Erosion potential, soil type criteria Or Slope · Are in local hillside development Size/type zones Sensitivity/proximity of receiving • Or water · Where there are no local criteria, NSWDs sites with ≥15% slope · Other factors Rainy season is October - April



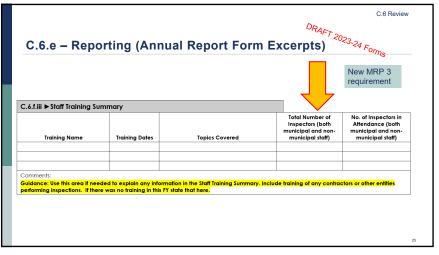
21



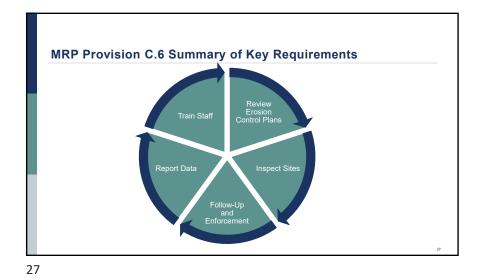
C.6.e.iii.(3)(a)	(b), (c), (d) ► Site/Inspe	ection Totals		ORAFT-2023-24 Forms
Total number of construction site requiring inspections durin at least part of th Permit year; (C.6.e.iii.1.a)	s Total number of active hillside sites disturbing <1 acre of soil g requiring inspection	Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii. 1.d)	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.1.c)	Total number of storm water runoff quality inspections conducted (include only Hillide Sites, High Priority Sites and sites disturbing 1 acre or more) (C.&.e.iii. 1.e)
C.6.e.iii.(1)(f)	Construction Related 3	Storm Water Enforcement		
Actions Suidance: Do no		Storm Water Enforcement	enforcement action level	(e.g., verbal warning, notice of violation,
Actions Guidance: Do no	<mark>: leave any cells blank.</mark> Provi egal action, etc.)			(e.g., verbal warning, notice of violation, umber Enforcement Actions issued
Actions Suidance: Do no	leave any cells blank. Provi egal action, etc.) Enford	ide a brief description of each e		
Actions Suldance: Do no top work order,	leave any cells blank. Provi egal action, etc.) Enford	ide a brief description of each e		
Actions Suidance: Do no top work order, evel 12	leave any cells blank. Provi egal action, etc.) Enford	ide a brief description of each e		
Actions Suidance: Do no top work order, evel 12 evel 2	leave any cells blank. Provi egal action, etc.) Enford	ide a brief description of each e		
Actions Guidance: Do no	leave any cells blank. Provi egal action, etc.) Enford	ide a brief description of each e		

24

1/30/2024

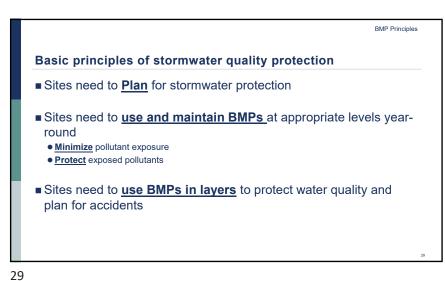








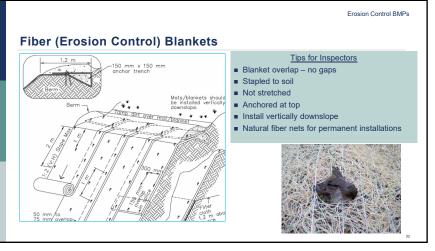
BMP Principles



C.6 Minimum BMP Categories Toolbox

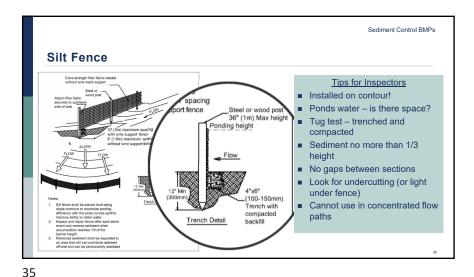
BMP	Typical Applications
1. Erosion Control	Apply <u>on</u> graded areas and soil stockpiles.
2. Sediment Control	Apply <u>around</u> graded areas, soil stockpiles, landscape materials, site perimeter, at inlets/ catch basins. Includes sweeping and tracking.
3. Run-on and Runoff Control	Diverts water away from disturbed areas and controls water leaving site.
4. Active Treatment Systems	Chemical treatment systems to remove sediment. Not common.
5. Good Site Management	Good housekeeping and site management throughout site, especially material laydown areas.
6. Non-Stormwater Management	Water conservation and practices to prevent non-stormwater discharges.



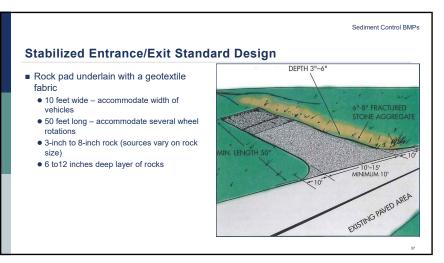


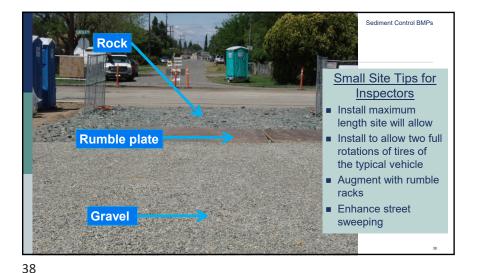


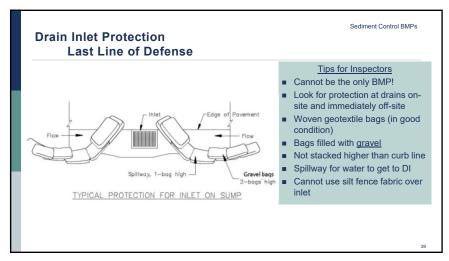


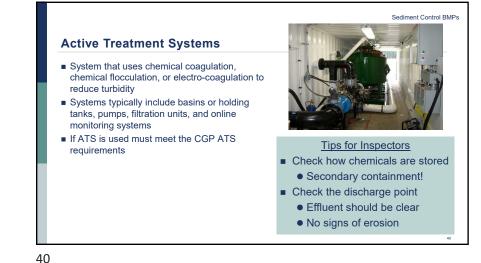












Run-on and Runoff Controls

Run-on Control

 Manage/divert runoff and dry weather flows that originate outside the project around the project or disturbed areas

Runoff Control

- Manage runoff within the project
 Prevent runoff from flowing through disturbed
- areas
- Direct runoff to sediment controls





42



<section-header>Cood Housekeeping BMPs

Sanitary Waste Management

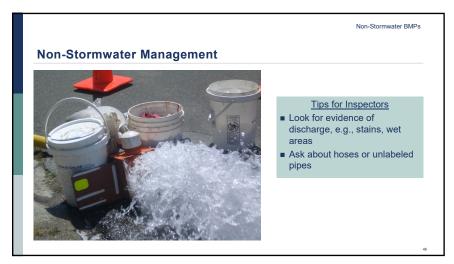
Manage sanitary wastes by providing convenient, appropriately placed, well-maintained facilities

Arrange for regular service and disposal

<u>Tips for Inspectors</u>
Placed on flat surface and secure units
Out of gutter and away from storm drains
Secondary containment

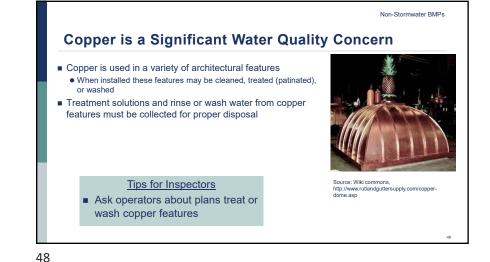
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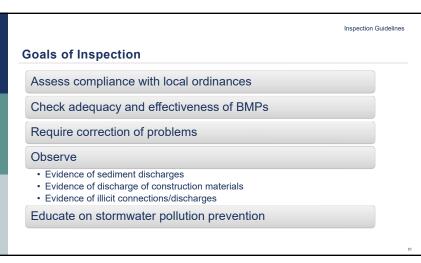
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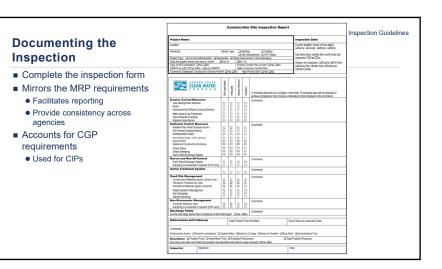
	BMP Principles
C.6 Minimum BMP Reca	ip
BMP	Typical Applications
1. Erosion Control	Apply on graded areas and soil stockpiles.
2. Sediment Control	Apply <u>around</u> graded areas, soil stockpiles, landscape materials, site perimeter, at inlets/ catch basins. Includes sweeping and tracking
3. Run-on and Runoff Control	Diverts water away from disturbed areas and controls water leaving site.
4. Active Treatment Systems	Not common, chemical treatment systems to remove sediment.
5. Good Site Management	Good housekeeping and site management throughout site, especially material laydown areas.
6. Non-stormwater Management	Water conservation and practices to prevent non-stormwater discharges.

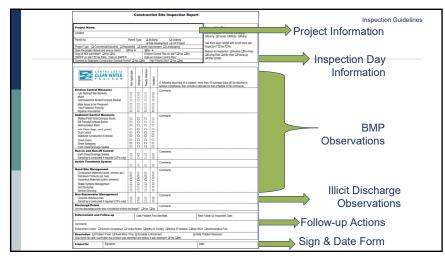


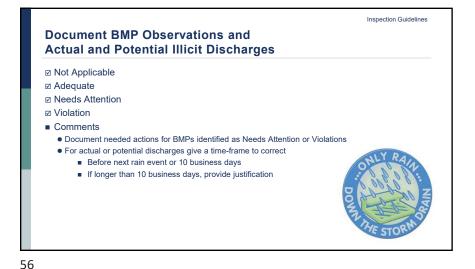












	nspection	Form to Documen	t Enforcement	
	Re-inspectior	n		
	Enforcement	action taken		
	Resolution			
Enforcement a	nd Follow-up	Date Problem First Identified:	Next Follow Up Inspection Date:	
Comments				Inspection Situation
	None/In compliance	Verbal Notice Notice to Comply Notice of Viola	tion DStop Work DAdministrative Fine	
Enforcement Action		T. D	Date Problem Resolved:	
Resolution	Problem Fixed D Need Mor			
Resolution	Problem Fixed D Need Mor	e Time Lescalate Enforcement s identified and before it was resolved? Yes No		





C.6 Construction Inspection Workshop





62



<image>

Contra Costa Clean Water Program

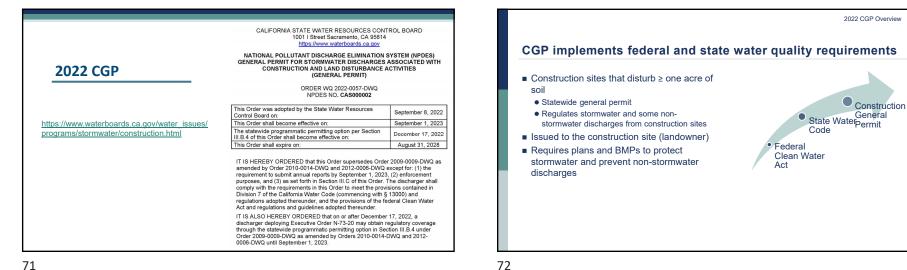






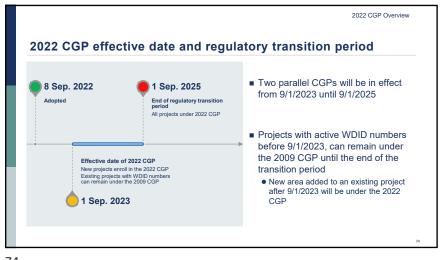


2022 Construction General **Stormwater Permit**



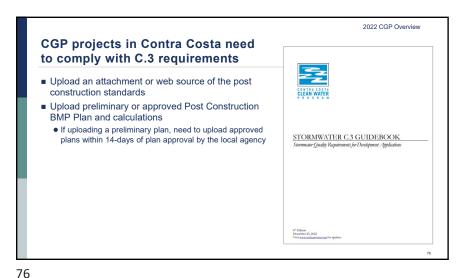
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74





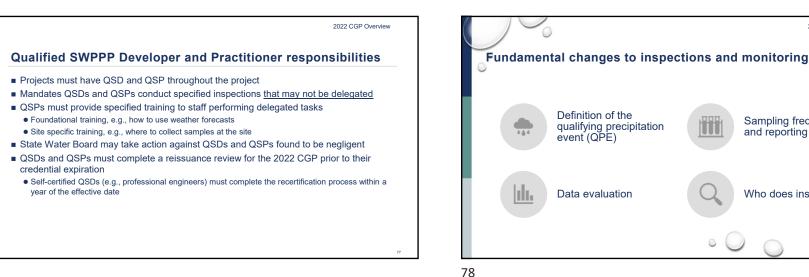
Contra Costa Clean Water Program

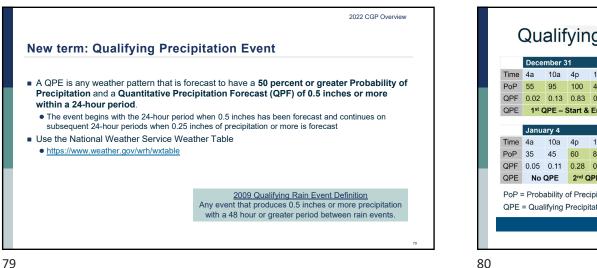
2022 CGP Overview

Sampling frequency

Who does inspections

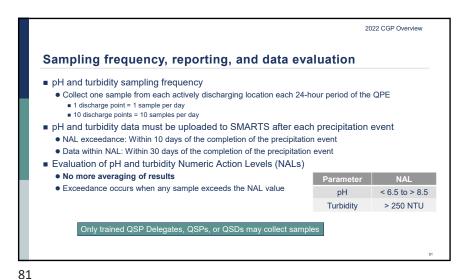
and reporting





	Dece	mber 3	1		Janu	ary 1			Janu	ary 2			Janu	ary 3		
Time	4a	10a	4p	10p	4a	10a	4p	10p	4a	10a	4p	10p	4a	10a	4p	10p
PoP	55	95	100	40	15	-	-	-	-	5	50	55	30	30	30	35
QPF	0.02	0.13	0.83	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.1	0.01	0.01	0.01	0.04
QPE	1 st (QPE - S	Start &	End		No	QPE			No	QPE			No	QPE	
	Janu	ary 4			Janu	ary 5			Janu	ary 6			Janu	ary 7		
Time	4a	10a	4p	10p	4a	10a	4p	10p	4a	10a	4p	10p	4a	10a	4p	10p
PoP	35	45	60	80	75	55	35	30	20	15	15	15	-	-	-	-
QPF	0.05	0.11	0.28	0.51	0.35	0.30	0.27	0.11	0.07	0.05	0.00	0.00	0.00	0.00	0.00	0.00
QPE	No	QPE	2 nd C	QPE – D) Day 1	Start)	2 nd (QPE -	Day 2 (End)		No	QPE		No	QPE

2022 CGP Overview



Who can perform inspections

Inspection Type	QSD	QSP	QSP- Delegate
Twice annual	×		
Within 30 days of construction start and replacing QSD	×		
As requested by Regional Water Board	×		
Inactive sites – within 14 days of COI approval	×		
Within 14 days of NAL exceedance	×	×	
Monthly		×	
Pre-precipitation event		×	
Weekly			
During and post-precipitation event			
Inactive sites – Monthly and pre-precipitation event			
Prior to COI and NOT submissions		×	
☑ CGP Required			

