

Development of WDR General Order for Discharges Related to Timberland Management Activities for Non-Federal and Federal Lands

Informational Item to Board of Forestry
10 May 2017



Ben Letton, Senior Engineering Geologist
Central Valley Regional Water Quality Control Board

Waiver (current)	General Order (under development)
NON-FEDERAL	
1 – EM / EX Notices and low threat THPs	1 – EM and EX Notices and conversions
2 - Fire salvage EM Notices and conversions	2A – Fire salvage EM (No residence)
	2B – Fire salvage (Residence) and EM/EX Notices that don't qualify for Cat. 1
3 – Plans where Water Board staff participated in Review Team Process (PHI)	3A – Higher Threat to WQ Plans
4 – Plans where Water Board staff did not fully participate in Review Team Process (no PHI)	3B – Modified THPs and Lower Threat to WQ Plans
(no equivalent category)	4 – MATO / LSAA crossing work outside a Plan
FEDERAL	
5 – All timberland management activities	5A – Post-fire activities
	5B – Timberland management activities

Lead Agency		Cat.	Plans/Projects Covered	NOI, operation notification, and monitoring requirements	Pages
CAL FIRE (non-federal)	1	<ul style="list-style-type: none"> 1038 EX Notices² 1052.1-1052.5 EM Notices² (except fire salvage) 1104.1 Conversion Exemptions² 	<ul style="list-style-type: none"> Automatically enrolled Agency Monitoring 	14-15	
	2A	<ul style="list-style-type: none"> 1052.1 EM Notice² for fire salvage on: <ul style="list-style-type: none"> Industrial timberlands; or Non-industrial timberlands when no residence is within EM 	<ul style="list-style-type: none"> Automatically enrolled contingent on submittal of NOI and Erosion Site Table within 30 days of EM Notice acceptance by CAL FIRE Post-Fire Management and Reforestation Plan (if applicable) Annual Agency, Implementation, Forensic, and Effectiveness Monitoring and Summary of Operations Updates to Erosion Site Table and if applicable, Post-Fire Management and Reforestation Plan 	15-17	
	2B	<ul style="list-style-type: none"> 1052.1 EM Notice² for fire salvage when a non-industrial timberland owner's residence is within EM 	<ul style="list-style-type: none"> NOI 15 days prior to operations Agency and Effectiveness Monitoring 	18-19	
	3A	<ul style="list-style-type: none"> THPs, PTHPs, WFMPs, NTMPs, and other Plans³ 	<ul style="list-style-type: none"> NOI 15 days prior to operations Annual Notice of Operations prior to startup Notice of Timber Operations/Harvest Notice 15 days prior to operations (WFMPs/NTMPs only) Annual Agency, Implementation, Forensic, and Effectiveness Monitoring and Summary of Operations 	20-22	
	3B	<ul style="list-style-type: none"> 1051-1051.7 modified THPs²; or THPs, PTHPs, WFMPs, NTMPs, and other Plans that meet all the low threat criteria in Part III.D.2.a.ii. 	<ul style="list-style-type: none"> NOI 15 days prior to operations Annual Notice of Operations prior to startup Agency and Effectiveness Monitoring 	20-22	
CDFW	4	<ul style="list-style-type: none"> Watercourse crossing work conducted under CDFW MATO or LSAA on timber production zoned land for replacement/reconstruction of existing watercourse crossings outside of a Plan or EM Notice 	<ul style="list-style-type: none"> Submit copy of CDFW notification 30 days prior to work commencing NOI 30 days prior to operations Implementation, Forensic, and Effectiveness Monitoring 	23	
U.S. Forest Service	Cat.	Plans/Projects Covered	NOI, operation notification, and monitoring requirements	Pages	
	5A	<ul style="list-style-type: none"> Post-fire timberland management activities (fire salvage and hazard tree removal) 	<ul style="list-style-type: none"> Automatically enrolled contingent on submittal of NOI and Erosion Site Table within 30 days of startup of operations Post-Fire Management and Reforestation Plan (if applicable) Annual Implementation, Forensic, and Effectiveness Monitoring and Summary of Operations Updates to Erosion Site Table and if applicable, Post-Fire Management and Reforestation Plan 	24-26	
	5B	<ul style="list-style-type: none"> Timber harvesting sales, vegetation management and fuels reduction, forest stand improvement and hazard tree removal, and pesticide applications associated with the aforementioned. 	<ul style="list-style-type: none"> NOI 15 days prior to operations Annual Notice of Operations 15 days prior to startup Annual National Core BMP monitoring protocols OR Implementation, Forensic, and Effectiveness Monitoring and Summary of Operations 	27-28	

Cat.	Plans/Projects Covered	NOI, operation notification, and monitoring requirements
1	<ul style="list-style-type: none">• 1038 EX Notices²• 1052.1-1052.5 EM Notices² (except fire salvage)• 1104.1 Conversion Exemptions²	<ul style="list-style-type: none">• Automatically enrolled• Agency Monitoring

Cat.	Plans/Projects Covered	NOI, operation notification, and monitoring requirements	Pages
2A	<ul style="list-style-type: none"> • 1052.1 EM Notice² for fire salvage on: <ul style="list-style-type: none"> ○ Industrial timberlands; or ○ Non-industrial timberlands when no residence is within EM 	<ul style="list-style-type: none"> • Automatically enrolled contingent on submittal of NOI and Erosion Site Table within 30 days of EM Notice acceptance by CAL FIRE • Post-Fire Management and Reforestation Plan (if applicable) • Annual Agency, Implementation, Forensic, and Effectiveness Monitoring and Summary of Operations • Updates to Erosion Site Table and if applicable, Post-Fire Management and Reforestation Plan 	15-17
2B	<ul style="list-style-type: none"> • 1052.1 EM Notice² for fire salvage when a non-industrial timberland owner's residence is within EM 	<ul style="list-style-type: none"> • NOI 15 days prior to operations • Agency and Effectiveness Monitoring 	18-19

Cat.	Plans/Projects Covered	NOI, operation notification, and monitoring requirements	Pages
3A	<ul style="list-style-type: none"> • THPs, PTHPs, WFMPs, NTMPs, and other Plans³ 	<ul style="list-style-type: none"> • NOI 15 days prior to operations • Annual Notice of Operations prior to startup • Notice of Timber Operations/Harvest Notice 15 days prior to operations (WFMPs/NTMPs only) • Annual Agency, Implementation, Forensic, and Effectiveness Monitoring and Summary of Operations 	20-22
3B	<ul style="list-style-type: none"> • 1051-1051.7 modified THPs²; or • THPs, PTHPs, WFMPs, NTMPs, and other Plans that meet all the low threat criteria in Part III.D.2.a.ii. 	<ul style="list-style-type: none"> • NOI 15 days prior to operations • Annual Notice of Operations prior to startup • Agency and Effectiveness Monitoring 	20-22

Cat.	Plans/Projects Covered	NOI, operation notification, and monitoring requirements	Pages
4	<ul style="list-style-type: none"> Watercourse crossing work conducted under CDFW MATO or LSAA on timber production zoned land for replacement/reconstruction of existing watercourse crossings outside of a Plan or EM Notice 	<ul style="list-style-type: none"> Submit copy of CDFW notification 30 days prior to work commencing NOI 30 days prior to operations Implementation, Forensic, and Effectiveness Monitoring 	23

Cat.	Plans/Projects Covered	NOI, operation notification, and monitoring requirements	Pages
5A	<ul style="list-style-type: none"> Post-fire timberland management activities (fire salvage and hazard tree removal) 	<ul style="list-style-type: none"> Automatically enrolled contingent on submittal of NOI and Erosion Site Table within 30 days of startup of operations Post-Fire Management and Reforestation Plan (if applicable) Annual Implementation, Forensic, and Effectiveness Monitoring and Summary of Operations Updates to Erosion Site Table and if applicable, Post-Fire Management and Reforestation Plan 	24-26
5B	<ul style="list-style-type: none"> Timber harvesting sales, vegetation management and fuels reduction, forest stand improvement and hazard tree removal, and pesticide applications associated with the aforementioned. 	<ul style="list-style-type: none"> NOI 15 days prior to operations Annual Notice of Operations 15 days prior to startup Annual National Core BMP monitoring protocols OR Implementation, Forensic, and Effectiveness Monitoring and Summary of Operations 	27-28

Category 2A

Notice of Intent (NOI) and Erosion Site Table must be received within 30 days of EM notice acceptance by CAL FIRE

IF pesticides will be applied following the fire then Discharger shall either

1. Post-Fire Management and Reforestation Plan (PFP) must be submitted at least 30 days prior to first scheduled pesticide application

OR

2. Meet the following Conditions

No Spray Buffers

For Class I and II watercourses, the applicable WLPZ widths specified in the California Code of Regulations, title 14, section 936.5;

For Class III and IV watercourses, a minimum of 25 feet where sideslope steepness is less than 30%, and a minimum of 50 feet where sideslope steepness is 30% or greater.

Effective Ground Cover

Where management activities are planned on a burned area with **slopes greater than 30%, a minimum of 50% average effective groundcover** (see Attachment C for guidance) **is required to be documented prior to pesticide application.**

Documentation shall be provided to the Central Valley Water Board in the pesticide notification **30 days prior to application.**

**Notice of Intent for Category 2A
Erosion Site Table**

Emergency Notice No. and Name:

Table 1. Erosion Site Table for Significant Existing or Potential Erosion Sites (SEPES) and New Watercourse Crossings (Attach 100-year crossing calculations as applicable)

ID ¹	GPS coord. ² (optional)	New WC Crossing (Y/N)	Erosion Feature Type and Description						Proposed Treatment and/or Implementation Priority (H,M,L) ⁷
			Circle Erosion Type ³			WC ⁴ Class.	Site Description	Existing Sediment Discharge (yd ³) ⁵	
			R, LD	WC	L, CI, G				
			R, LD	WC	L, CI, G				
			R, LD	WC	L, CI, G				
			R, LD	WC	L, CI, G				
			R, LD	WC	L, CI, G				
			R, LD	WC	L, CI, G				
			R, LD	WC	L, CI, G				
			R, LD	WC	L, CI, G				
			R, LD	WC	L, CI, G				
			R, LD	WC	L, CI, G				
			R, LD	WC	L, CI, G				

¹Unique crossing ID created by Discharger for mapping purposes

²GPS coordinates in decimal degrees (optional)

³(R, LD) Road, Landing Drainage; (WC) Watercourse Crossing; (L, CI, G) Landslide, Channel Initiation, Gully

⁴Watercourse Classification (WC) – Indicate if Class I, II, II-S, II-L, or III

⁵Provide an estimate of existing erosion discharge based on measurements of Width, Depth, and Length of feature and percent of that total volume that delivered sediment to a watercourse

⁶Provide an estimate of potential erosion discharge based on measurements of Width, Depth, and Length of feature and percent of total volume that has potential to deliver to a watercourse.

⁷Default prioritization key is as follows: High (H) – Treat prior to the upcoming winter period, Medium (M) – Treat prior to Emergency expiration (within 365 days from Notice acceptance), Low (L) – Treat prior to termination of Order coverage, None – No treatment proposed (include explanation why no treatment)

Board Hearing Date: June 8/9 in Rancho Cordova

http://www.waterboards.ca.gov/centralvalley/water_issues/forest_activities/index.shtml

Ben Letton

Senior Engineering Geologist
Forest Activities Program

Central Valley Regional Water Quality Control
Board

364 Knollcrest Drive; Suite 205

Redding, CA 96002

(530) 224-4129

bletton@waterboards.ca.gov