

**MONITORING AND REPORTING PROGRAM  
ORDER NO. R3-2012-0008**

**GENERAL CONDITIONAL WAIVER OF  
WASTE DISCHARGE REQUIREMENTS –  
TIMBER HARVEST ACTIVITIES IN THE CENTRAL COAST REGION**

**TIERS I - IV MONITORING FOR  
TIMBER HARVEST AND NONINDUSTRIAL TIMBER MANAGEMENT PLANS**

**July 12, 2012**

**I. INTRODUCTION**

This Monitoring and Reporting Program (MRP) applies to Timber Harvesting Plans (THP) or Nonindustrial Timber Management Plans (NTMP) in Tiers I - IV enrolled under the *General Conditional Waiver of Waste Discharge Requirements – Timber Harvest Activities in the Central Coast Region* (Timber Order). The monitoring tier for the THP or NTMP is based on the results of the Eligibility Criteria procedure, accessible at

[http://www.waterboards.ca.gov/centralcoast/water\\_issues/programs/timber\\_harvest/index.shtml](http://www.waterboards.ca.gov/centralcoast/water_issues/programs/timber_harvest/index.shtml)

Monitoring and Reporting Program Order No. R3-2012-0008 (MRP) is issued pursuant to California Water Code (CWC) Sections 13267 and 13269. Compliance with the MRP is necessary to ensure compliance with the Timber Order and to ensure protection of water quality and beneficial uses within the Central Coast Region. The MRP applies to persons enrolled in the Timber Order because those persons are implementing timber harvesting plans that could adversely affect water quality and impair beneficial uses. Failure to comply with this MRP may subject the Discharger<sup>1</sup> to monetary civil liability in accordance with CWC Sections 13268 and 13350. Monitoring and reporting requirements shall begin at the onset of timber harvest operations and must comply with this MRP and any subsequent revisions. The monitoring reporting requirements cease four years after the date of the harvest completion report is submitted to Cal Fire, unless the Executive Officer extends or otherwise revises the MRP with respect to the individual Discharger. Table 1 is a summary of the type, frequency, and duration of monitoring requirements.

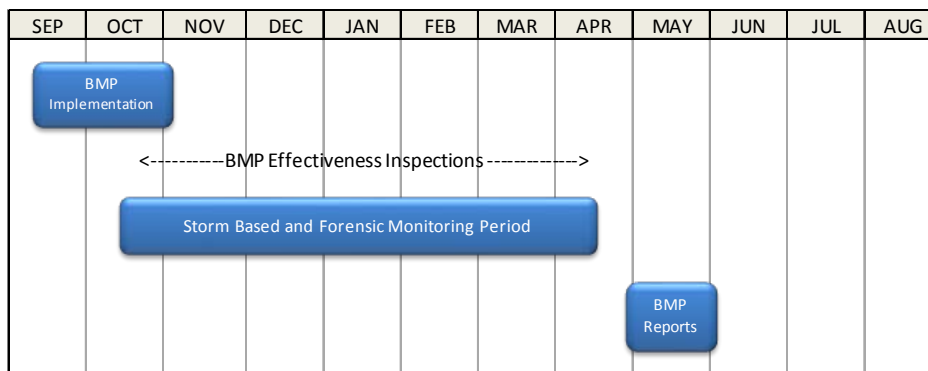
**TABLE 1. SUMMARY OF MONITORING REQUIREMENTS**

<b>Monitoring</b>	<b>Frequency</b>	<b>Duration</b>	<b>Reporting</b>
<i>type</i>	<i>Effectiveness</i>	post-harvest	schedule
<b>BMP</b>	<b>Annually</b>	<b>4 yrs</b>	<b>May 15</b>
<b>SBM</b>	<b>Based on Tier</b>	<b>4 yrs</b>	<b>Specified in § B</b>
<b>FM</b>	<b>Winter Ops</b>	<b>4 yrs</b>	<b>Specified in § C</b>

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<sup>1</sup> Throughout this document “Discharger” means the landowner and anyone working on behalf of the landowner in the conduct of timber harvest activities including monitoring.

**II. MONITORING AND REPORTING REQUIREMENTS**



**FIGURE 1. CALENDER OF MONITORING EVENTS**

**A. BEST MANAGEMENT PRACTICE MONITORING (BMP)**

**TABLE 2. BMP INSPECTION SCHEDULE**

TIER	SUBMITTAL	REPORT SUBMITTAL DATE
1	BMP Report	May 15
2	BMP Report	May 15
3	BMP Report	May 15
4	BMP Report	May 15

1. Before the onset of the winter period<sup>3</sup>, when no winter operations are planned, the Discharger is required to visually inspect and maintain all existing and newly constructed erosion and sedimentation control BMPs for ability to function as designed and to minimize erosion due to Precipitation Events (PEs). The Discharger shall evaluate the effectiveness of BMPs after the first major storm of the winter period and shall submit a report with photo documentation no later than May 15. If the specified storm magnitude for the plan monitoring Tier occurs, a separate BMP report is not required. For plans with winter operations the procedure and reporting for Forensic Monitoring shall be used until the completion of the harvest.
2. Photo monitoring points shall be identified by the plan’s Registered Professional Forester (RPF) at the Pre Harvest Inspection (PHI) review team meeting. Review team recommendations for photo monitoring points may be stated in subsequent review team memoranda submitted before harvest plan approval. All photo monitoring points identified at the PHI shall be specified in the NOI application. Additional photo monitoring points may be specified by water board staff after consultation with the plan RPF or agency review team personnel. All designated photo points shall be specified in the Timber Order enrollment letter.
3. BMP inspections begin at the onset of timber harvest operations for the duration of four years after the completion of the harvest.

<sup>3</sup> Winter operation period is Oct 15 to Apr 15

4. See Section D for report and photo-documentation formatting requirements.

## B. STORM-BASED MONITORING (SBM)

**TABLE 3. SBM FREQUENCY AND REPORTING**

TIER	STORM FREQUENCY, DURATION	SUBMITTAL
1	100-yr, 24-hr	within 14 days of Notification
2	100 <u>and</u> 50 year, 24 hour	within 14 days of Notification
3	100, 50, <u>and</u> 25 year, 24 hour	within 14 days of Notification
4	100, 50, 25, <u>and</u> 10 year, 24 hour	within 14 days of Notification

1. The Discharger shall obtain Storm Frequency and Return Interval for the harvest site location from NOAA's Precipitation Frequency Data Server (PFDS): [Atlas 14 Point Precipitation Frequency Estimates](#). The nearest USGS, NWS, or County rain gage to the harvest site, for which rainfall records can be accessed online, are to be used as the standard measure of precipitation. If the nearest rain gage is more than 1,000 feet above the harvest site, then the next closest rain gage to the harvest site shall be used. The Discharger is responsible for verifying the specified rain gage in the NOI has measured a PE for the storm frequency and duration specified by the harvest site monitoring tier.
2. The SBM reports shall include the report of all erosion and sedimentation control BMPs and photos depicting the designated photo monitoring points. If the specified PE for the harvest plan monitoring tier does not occur for the given winter operating period then the discharger shall report "no storm event" by May 15 to the designated Water Board staff through the following email: [centralcoast@waterboards.ca.gov](mailto:centralcoast@waterboards.ca.gov).
3. Storm Based Monitoring begins at the onset of timber harvest operations for the duration of four years after the completion of the harvest.
4. See Section D for report and photo-documentation formatting requirements.

## C. FORENSIC MONITORING (FM)

**TABLE 4. FM REPORTING SCHEDULE**

TIER	SUBMITTAL	NOTIFICATION DATE	REPORT SUBMITTAL DATE
1	FM report	No later than 72 hours	within 14 days of Notification
2	FM report	No later than 72 hours	within 14 days of Notification
3	FM report	No later than 72 hours	within 14 days of Notification
4	FM report	No later than 72 hours	within 14 days of Notification

1. Forensic monitoring is triggered anytime the Discharger observes a site condition described below. The Discharger is required to notify the Executive Officer (EO) within 72 hours and to submit a report to the Executive Officer within 14 days. The Discharger is also required to implement best management practices (BMPs) immediately to prevent additional pollutant discharge and adverse effects on water quality. The Executive Officer will evaluate the report for completeness and the need for additional actions necessary to protect water quality and beneficial uses.
  - i. If during the winter operations period, the Discharger observes failed BMPs and/or sources of waste discharge, the Discharger is required to conduct forensic monitoring to identify the source.

BMP failure is defined as: 1) whenever an implemented BMP creates a condition of pollution, contamination, or condition of nuisance, as defined by CWC Section 13050, or 2) when lack of implementation of a necessary BMP creates a condition of pollution, contamination, or condition of nuisance, as defined by CWC section 13050.
  - ii. If timber activities cause a discharge of sediment, soil, organic material, or another waste into waters of the State.
  - iii. If at any time during winter operations period, the Discharger observes a significant change in site conditions (i.e. fire, landslide, etc.).
2. The Discharger shall notify the EO by the following email: [centralcoast@waterboards.ca.gov](mailto:centralcoast@waterboards.ca.gov)
3. The FM report shall include only those locations where a discharge occurred due to a failed BMP. Locations of failed BMPs shall be photo documented after necessary repairs are complete; if a failed BMP location was not a photo point listed in the enrollment letter it must be added to the list of photo monitoring points for subsequent reports. If no condition described above is observed during winter operations, the Discharger shall submit a report of all erosion and sedimentation control BMPs with photo-documentation no later than May 15.
4. See Section D for FM report and photo-documentation formatting requirements.

#### **D. REPORT FORMAT**

1. The Discharger shall submit BMP, SBM, and FM reports and photo-documentation electronically to the designated Water Board staff through the following email: [centralcoast@waterboards.ca.gov](mailto:centralcoast@waterboards.ca.gov); reports shall be a spreadsheet file in the format given below in Table 5. A report template is provided in Eligibility Criteria file on the Central Coast Water Board website.

2. Every report on erosion and sedimentation control BMP shall include the following information: THP number, planning watershed number (calwater ID), THP map ID numbers, Latitude and Longitude (crossings only), stream class, BMP feature, BMP status, date assessed, and date corrective action was completed. BMP features and BMP status entries are provided in a drop down menu in the report template. The full listing of BMP features and problem types associated with the BMP status are in the Eligibility Criteria under 'MRP guide'.

**TABLE 5. Monitoring Report Template (with example input).**

THP_Num	Calwater_ID	Map_ID	Latitude	Longitude	Stream_class	BMP_feature	BMP_status	Date_assessed	Corrective_Date
1-##-###	330#.#####	X1	38.1523	120.3698	1	culvert	inlet/outlet scour	11-Nov-12	15-Nov-12
1-##-###	330#.#####	X1-X2	-	-	-	fill slope	stable	11-Nov-12	-
1-##-###	330#.#####	X3	38.1569	120.3694	2	non-culvert crossing	stable	11-Nov-12	-
1-##-###	330#.#####	X2-X3	-	-	-	road surface	rutting	11-Nov-12	14-Nov-12
1-##-###	330#.#####	L1	-	-	-	road surface	stable	11-Nov-12	-

3. The BMP, SBM and FM Reports shall include each photo monitoring point site specified in the NOI and Waiver enrollment letter. Figure 2 depicts the format for submitting photo-documentation. Each photo should include the following information: planning watershed number (top left corner of page), THP number ending with map ID number (top left corner of photo), date of photo (bottom right corner of photo), Name of submitter (bottom left corner of page), and number of pages (bottom right corner of page). Each photo monitoring point page shall contain the pre-harvest photo on top of the photo from the most recent monitoring event. The Executive Officer will evaluate the report for completeness and the need for additional actions necessary to protect water quality and beneficial uses.

<p>Planning Watershed No.</p> <p>(THP No. and Map ID No.) 1-##-### SCR_Map ID #</p> <p>(Pre Activity or Storm Point Photo)</p> <p>Date of photo</p>
<p>(THP No. and Map ID No.) 1-##-### SCR_Map ID #</p> <p>(Post Activity or Storm Point Photo)</p> <p>Date of photo</p>
<p>*Note any reference scale object lengths</p>
<p>Landowner Name or RPF, submittal Date</p>
<p>Page # of #</p>

**FIGURE 2. Photo-point monitoring<sup>4</sup> report template**

<sup>4</sup> For further guidance on how to conduct photo-point monitoring, refer to: General Technical Report PNW-GTR-526 March 2002 - *Photo-point Monitoring Handbook: Part A Field Procedures* by Frederick C. Hall

## E. VIOLATION REPORTING

The Discharger is required to report any violation of the Forest Practice Rules adversely affecting erosion and sedimentation BMPs to the Water Board within 72 hours of discovery. The Discharger is required to provide the report in writing to the Water Board within 10 working days of the violation. The written report shall be a narrative summary and must include photo-documentation before and after remedial action pursuant Order section 1.I. Upon review of the report, the Water Board's Executive Officer will determine completeness of the report and the need for additional actions necessary for the protection of water quality and beneficial uses. The Discharger is required to complete any additional monitoring the Water Board's Executive Officer determines is necessary.

**F. STANDARD PROVISIONS**

Water Board staff shall be allowed:

- 1) Entry upon premises where timber harvest activities occur;
- 2) Access to copy any records that must be kept under the conditions of these requirements;
- 3) To inspect any timber harvest activity, equipment (including monitoring and control equipment), practices, or operations regulated or required under these requirements; and,
- 4) To photograph, sample, and monitor for the purpose of showing timber harvest requirements compliance.

The Discharger is required to maintain records of all monitoring information and results. Records must be maintained for a minimum of three years after the MRP is rescinded. This period may be extended during the course of any unresolved litigation or when requested by the Executive Officer.

Any person signing a report makes the following certification whether written or implied:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

The Water Board's Executive Officer may modify or rescind this Monitoring and Reporting Program at any time, or may modify or rescind the monitoring and reporting program as to a specific Discharger. Any such modification or rescission must comply with CWC Section 13269 or 13267.

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Roger W. Briggs  
Executive Officer

Dated: July 12, 2012