STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401

Monitoring & Reporting Program No. R3-2004-0009 For the RMC 2004-2006 Timber Harvest Plan (THP 1-03-082 SCR) Santa Cruz County

1. MONITORING POINTS

a. **Up and Down Stream of all Class I and II Stream Crossings by Roads**– Turbidity samples shall be collected between 10 and 30 feet up and down stream of all Class I and II stream crossings.

b. **Up and Down Stream of the Timber Harvest Plan** – Since a Class I Watercourse is present in the timber harvest plan (THP), up stream (point A on Attachment A) and down stream (point B on Attachment A and B) monitoring points shall be established. These monitoring points shall be monitored for turbidity and temperature as described below. Turbidity samples shall also be collected at the point along Jim and Slim Creeks where the stream classification transitions from Class II to Class I (points C and D on Attachment B).

c. **Visual Monitoring Points** – Visual monitoring is required of all roads, watercourses crossings, landings, skid trails, water diversions and, if possible, all watercourse confluences and known landslides on the timber harvest plan.

d. **Photo-Point Monitoring Points –** Photo-point monitoring points shall include the top and bottom of each landslide, up and down stream of each watercourse crossing (i.e., old, new and former crossings), each watercourse confluence, and each landing. Flagging, rebar or another method of establishing the photo-point site locations shall be utilized. The document entitled "Standard Operation Procedure 5.2.3 - Photo documentation Procedure" shall be utilized as the protocol for all photo-point monitoring.

e. **Water Diversion –** the water diversion point shall be monitored daily when water diversion is occurring. The Creek shall be monitored to ensure no more than 10 % of the Creek's flow is diverted.

2. MONITORING CONSTITUENTS/FREQUENCY

a. **TURBIDITY**: All monitoring points included under 1.a. and 1.b. above shall be monitored for turbidity. During active timber harvest activities and at least one year following timber harvest activities, samples shall be collected within 24 hours of the end of all storm events of two inches of rain or greater within a 24-hour period. Starting in the second year following the end of timber harvest activities, samples shall be collected within 48 hours of the end of all storm events of three inches or greater within a 24-hour

period. If any down steam sample is significantly higher (i.e., at least 50% higher turbidity reading), then the source of the turbidity shall be investigated promptly. If possible, the source of turbidity shall be controlled. Additional turbidity measurements shall be collected to confirm the turbidity source(s). Unusually high up-stream turbidity levels shall also be investigated if practical.

b. **TEMPERATURE**: Monitoring points A and B shall be monitored for temperature using a "Hobo" temperature monitoring type device. Temperature monitoring shall be performed from June 1 to November 1 of each year. Temperature shall be monitored at least once every two hours.

c. **VISUAL MONITORING**: All visual monitoring points shall be monitored for existing or potential sources of erosion. Visual monitoring shall be performed within 24 hours of all storm events of two inches of rain of greater within a 24-hour period. Starting in the second year following timber harvest activities, visual monitoring shall be performed within 48 hours of all storm events of three inches of rain or greater within a 24-hour period.

d. **PHOTO-POINT MONITORING**: All photo-point monitoring points shall be monitored following the first significant storm event of the wet season and following any significant storm event during the month of April. A significant storm event shall be any storm of two or more inches of rain in a 24-hour period. Photo-point monitoring shall occur within 7 days of these storm events.

e. **WATER USEAGE**: The total daily water usage shall be monitored daily when water is being diverted. The approximate stream flow rate shall also be monitoring. The creek shall be monitored to ensure no more than 10 % of the creek flow is diverted for timber harvest activities.

f. **FERAL PIG ACTIVITY**: During any inspection, all evidence of feral pig activity shall be documented in the logbook (see 3.a. below) and via photographs.

3. DATA LOGGING AND REPORTING

a. **LOGBOOKS**: The Discharger shall maintain logbooks for recording all visual and water analysis data. These logbooks shall be made available for inspection to the Regional Board staff when requested with at least 24 hours notice.

b. **SEDIMENT RELEASE REPORTING**: Whenever at least one cubic yard of soil is released to a waterway due to natural or anthropogenic causes, or when turbidity is over 100 % greater down stream compared to upstream (of a crossing or the Plan), then this event shall be reported to the Board within forty-eight (48) hours.

c. **VIOLATION REPORTING:** Violation of the Forest Practice Rules related to water quality shall be reported to the Regional Board within twenty-four (24) hours

d. **WINTER RE-GRADING OF ROADS**: Regional Board staff shall be notified via telephone at least 48 hours prior to commencement of road re-grading in the winter period.

e. **ANNUAL REPORT**: By August 15 of each year, an Annual Report shall be submitted to the Regional Board that addresses the following:
   i. A summary of timber harvest activities that occurred the previous year and are planned for the following year,
   ii. A summary of all wet weather problems observed,
   iii. A summary of all non timber harvest activities within the THP including feral pig activity, trespassing, off road vehicle activities, fires, construction activity, off road vehicle activity, etc. during the year and all proposed measures to minimize water quality impacts from these activities,
   iv. A summary of the water diversion (i.e., daily totals and annual totals) during the year,
   v. A summary of all erosion control practices implemented,
   vi. Recommendations for wet weather preparation for the next year,
   vii. Summary of the water quality monitoring performed during the previous year, and
   viii. Recommendations for improving the monitoring and reporting program.

4. OTHER

1. The Discharger is responsible for ensuring that all monitoring is done in a safe manner. If any monitoring point is too dangerous to sample, then this circumstance shall be reported to the Board within 48 hours.

2. This Monitoring & Reporting program may be changed or rescinded at the discretion of the Executive Officer.

Ordered By: _____ Date: _____
Executive Officer