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. R3-2004-0035

For

The Meyley Timber Harvest Plan
1-03-042 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 stream crossings, including R4, R5, R6, R7, R12 and the PG&E crossing of the East Branch of San Vicente Creek (Monitoring Points 3 and 4 on Attachment A).

b. **UP AND DOWN STREAM OF THE TIMBER HARVEST PLAN –** Up and down stream monitoring points (Monitoring Points 1 and 2 on Attachment A & B, respectively) shall be monitor for temperature as described below.

c. **VISUAL MONITORING POINTS** – Visual monitoring of all new roads, watercourse crossings, landings, skid trails, water diversions and, if possible, all Class I watercourse confluences and known active landslides on the timber harvest plan.

d. **PHOTO-POINT MONITORING POINTS –** Crossings, new roads, landings, water diversion, active landslides, Class I and II stream confluences, and recreation trails. 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. All photo-point locations shall be maintained until this Monitoring & Reporting Program is rescinded.

e. **WATER DIVERSION –** the water diversion point shall be monitored for total daily water usage when water is being diverted. The creek shall be monitored to ensure no more than 10% of the creek flow is diverted.

2. MONITORING CONSTITUENTS/FREQUENCY

a. **TURBIDITY**: All monitoring points, listed in 1.a., 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) have been controlled. Unusually high up-stream turbidity levels shall also be investigated.

b. **TEMPERATURE**: The up and downstream Class I watercourse monitoring points (Monitoring Point 1 on Attachment A and Monitoring Point 2 on Attachment 2) 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 starting in 2004 and continue until one season (June-November) after timber harvest activities are complete. 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. During active timber harvest activities and for at least one year following timber harvest activities, visual monitoring shall be performed within 24-hours of all storm events of two inches of rain or 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 (First Storm) during, and following completion of timber harvest activities, and
- following any significant storm event during the month of April (April Storm).

Photo-point monitoring shall occur within seven days of the First Storm and April Storm events. If no significant storm event occurs in the month of April, photo-point monitoring shall be completed by April 30 of the same year. Starting in the second year following completion of timber harvest operations, the First Storm photo-point monitoring may be discontinued (i.e., only the April Storm photo-point monitoring is required). A significant storm event shall be any storm of two or more inches of rain in a 24-hour period.

e. WATER USEAGE: The water diversion point(s) shall be monitored for total daily water usage when water is being diverted. The creek shall be monitored to ensure no more than 10 % of the creek flow is diverted.

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

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 observed to be released to a waterway due to natural or anthropogenic causes, or when turbidity is over 100% greater downstream compared to upstream (of a crossing or the Plan area), then this event shall be reported to Regional Board staff within 48 hours.

c. **VIOLATION REPORTING:** If a violation of the Forest Practice Rules occurs which is related to water quality, this event shall be reported to the Regional Board within 48 hours.

d. **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 erosion control practices implemented,
   iv. Recommendations for wet weather preparation for the next year,
   v. Summary of the water quality monitoring performed during the previous year,
   vi. Copies of all photos collected during the year, and
   vii. Recommendations for improving the monitoring and reporting program.

4. OTHER

a. 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.

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

Ordered By: _____ Date: _____
Executive Officer