

STORMWATER pH METER CALIBRATION RECORD

CEM-2057 (REV. 2/2012)

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER
CONTRACTOR NAME AND ADDRESS	PROJECT SITE RISK LEVEL <input type="checkbox"/> Risk Level 1 <input type="checkbox"/> N/A. Project resides in the Lake Tahoe Hydrologic Unit and is regulated under Order No. R6T-2011-0019, NPDES No. CAG616002. <input type="checkbox"/> Risk Level 2 <input type="checkbox"/> Risk Level 3
SUBMITTED BY CONTRACTOR (PRINT AND SIGN NAME)	DATE

pH Meter

Meter Manufacturer	Meter Model Number	Meter Serial Number
Standard Buffer	Control Number	Expiration Date
pH Buffer 4.0		
pH Buffer 7.0		
pH Buffer 10.0		

pH Meter Calibration Record

Date	Electrode Number	Temperature at Calibration	Slope (%)	Buffers Used for Calibration			Re-check pH 7.0	Notes	Initials
				pH 4.0	pH 7.0	pH 10.0			

STORMWATER pH METER CALIBRATION RECORD

Instructions

GENERAL INFORMATION

- Projects with Construction Site Monitoring Program require the information on this form as part of the Stormwater Pollution Prevention Plan for stormwater analysis meter calibration.
- Completed forms must be filed in project file category 20.55, Field Testing Equipment Maintenance and Calibration Records.

FORM

Contract Number/Co/Rte/PM

For local agency encroachment permit projects write the encroachment permit number in the Contract Number field.

Project Identifier Number

Caltrans projects starting July 1, 2010, will have a Project Identifier Number. For Projects without a PID, write "N/A" in the field.

ELECTRODE MAINTENANCE

- To pass calibration, the pH meter must display a slope between 95 percent and 105 percent. If the pH meter does not display such a slope, take the following corrective action:
 1. Change the standard pH and buffers and recalibrate.
 2. Change the 3M KCl fill in the electrode, or binding up the volume and recalibrate.
 3. Clean the electrode with the pH Electrode Cleaning Solution (follow manufacturer's instructions), and recalibrate.
 4. If the meter does not recalibrate using the three steps above, consult the manufacturer's technical manual, and discontinue use of the meter until it functions properly.
- Corrective actions to calibrate the pH meter must be recorded in the calibration notes section on form CEM-2056, "Stormwater pH Meter Calibration Record."
- Any pH meter maintenance activities must be recorded under the calibration notes section on form CEM-2056, "Stormwater pH Meter Calibration Record."