COUNTY OF SAN DIEGO – Department of Public Works

STORMWATER pH METER CALIBRATION RECORD

CE 2059 (Rev. 03/16)

PROJECT NAME AND SITE ADDRESS:	CONTRACT NUMBER:
	ORACLE NUMBER:
	WDID NUMBER:
CONTRACTOR NAME AND ADDRESS:	PROJECT SITE RISK LEVEL: ☐ Risk Level 1 ☐ LUP Type 1 ☐ Risk Level 2 ☐ LUP Type 2 ☐ Risk Level 3 ☐ LUP Type 3
Submitted by (Print Name and Sign):	Date:

pH Meter

Meter Manufacturer	Meter Model Number	Meter Serial Number

Standard Buffer	Control Number	Expiration Date	Date Opened
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	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	
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				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	

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				pH 4.0	pH 7.0	pH 10.0	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	
				☐	☐	☐	☐	☐	

Date	Calibration Notes

Review and Record Keeping

I have reviewed this document and, based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate and complete.

Water Pollution Control Manger (Name):	Date:
Water Pollution Control Manager (Signature):	
Reviewed by Resident Engineer (Name):	Date:
Reviewed by Resident Engineer (Signature):	

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 Category 20, Field Testing Equipment Maintenance and Calibration Records.

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 KCI fill in the electrode, or bring 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 meter functions properly.
- Corrective actions to calibrate the pH meter must be recorded in the calibration notes section on this form, "Stormwater pH Meter Calibration Record."
- Any pH meter maintenance activities must be recorded under the calibration notes section on this form, "Stormwater pH Meter Calibration Record."