

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on

Meter ID:

Hydro

Project:

SCT

- Notes:** (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.
 Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

4/2016

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass /	Lab /
Calibr.	J Parrish	4/14/16	718	23.3	8.53	8.53	100	-	-	P	
ICV	J	2	719	23.3	8.53	8.53	99.9	-	-	P	
CCV	A Kalmbacher	4-14-16	1540	23.1	8.56	8.38	97.9			P	L
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass /	Lab /
Calibr.	J Parrish	4/14/16	720	160216A	2/17	1000	1000	P	
ICV	J	2	722	160216B	8/16	100	100	P	
CCV	A Kalmbacher	4-14-16	1545	160216A	2/2017	1000	996	P	
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass /	Lab /
Calibr.	J Parrish	4/14/16	724	2509677	8/17	7.0	7.0		P	
Calibr.	J		726	2509674	9/17	4.0	4.01			
Calibr.	J		727	2510A88	4/17	10.0	10.05			
ICV	J		730	2509677	8/17	7.0	7.02			
CCV	A Kalmbacher	4-14-16	1550	2509677	8/17	7.0	7.17		P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 m

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor	Name	Date	Time	Zero the Sensor	ICV Value	Pass /	Lab /
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater