

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

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

Meter ID: QUANTA #1 RQ- 2017-12-25-19 Project: cow-Deep RPSLVS

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (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 10-10-2017

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 / Fail	Lab / Field
Calibr.	P O'Connor	12-28-17	0757	22.0	8.74	8.72	100.0	—	—	(P) F	(L) F
ICV	↓	↓	0802	22.0	8.74	8.73	100.1	—	—	(P) F	(L) F
CCV	P O'Connor	12-28-17	1315	21.6	8.81	8.80	99.9	—	—	(P) F	(L) F
CCV	↓	↓	↓	21.6	8.81	8.60	97.8	—	—	(P) F	(L) F

DO Acceptance criteria from Table ± 0.3 mg/L.

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

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

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

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	P O'Connor	12-28-17	0805	171129A	12-2018	1000	1000	(P) F	(L) F
ICV	↓	↓	0807	170315A	03-2018	100	100	(P) F	(L) F
CCV	P O'Connor	12-28-17	1320	14132016	12-2017	1413	1418	(P) F	(L) F
CCV	↓	↓	1325	↓	↓	↓	↓	P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	P O'Connor	12-28-17	0810	2708B60	07-2019	7.0	7.00	—	(P) F	(L) F
Calibr.	↓	↓	0815	2710816	09-2019	4.0	4.00	—	(P) F	(L) F
Calibr. ICV	↓	↓	0818	2706D31	12-2018	10.0	09.90	—	(P) F	(L) F
ICV-CCV	P O'Connor	12-28-17	1325	2708B60	07-2019	7.0	7.03	—	(P) F	(L) F
CCV	↓	↓	↓	↓	↓	↓	↓	↓	P/F	L/F
CCV	↓	↓	↓	↓	↓	↓	↓	↓	P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

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

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air						P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

B17 11/3/18