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

Boldly "X" this box if there are qualified data on this page.

Meter ID: Bad Larry **FQ-** 2022-09-05-46 **Project:** SWP Cont. Imperial

Notes: (1) Always wait for meter to stabilize before recording any readings.
(2) Report all digits displayed. <u>Do not</u> round before reporting measurements. (See special instructions for depth).
(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

<u>Temperature (Quarterly) FT 1400</u> Date of Last Temperature Verification ____________________

DO DEP SOP FT 1500	Name	Date	Time (24 hr)	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	William Muller	08/31/22	0706	23.4	760.5	8.5	8.50	99.8		0.943	(P) / F	(L) / F
ICV	" "	" "	0710	23.3	760.6	8.5	8.52	99.9			(P) / F	(L) / F
CCV	William Muller	09/14/22	1122	25.8	759.8	8.2	8.21	100.0			(P) / F	(L) / F
CCV											P / F	L / F

DO 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 (Pro DSS 0.75 to 1.50); DO charge N/A. **Steady-state & Galvanic Sensors:** DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time (24 hr)	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	William Muller	8/31/22	0717	220309	03/23	50,000	50000	(P) / F	(L) / F
ICV	" "	" "	0721	42071190	07/24	2500	2509	(P) / F	(L) / F
CCV	William Muller	09/14/22	1133	2112228	12/23	100	98.3	(P) / F	(L) / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time (24 hr)	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	William Muller	08/31/22	0727	2265584	05/24	7.01	20.6	7.01	-32.9	(P) / F	(L) / F
Calibr.	" "	" "	0740	22D6AGL	05/24	4.01	21.0	4.01	132.3	(P) / F	(L) / F
Calibr.	" "	" "	0745	2204472	08/23	10.08	21.0	10.08	-202.3	(P) / F	(L) / F
ICV	" "	" "	0750	22D6AGL	05/24	4.01	21.3	3.93		(P) / F	(L) / F
CCV	William Muller	09/14/22	1136			10.08	21.2	10.00		(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 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 169.3, slope from 4 to 7 165.2 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)
If **YES**, complete daily Calibr. & ICV below and list date of last quarterly depth verification: ____________
If **NO**, what will be used? (circle one) **Secchi Disk Line / Sonar** Unique ID: ____________; Date of last verification: ____________

Depth Sensor (Daily Calibr. & ICV)	Name		Date	Time (24 hr)	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 ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:

Form effective August 1, 2018