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

Meter ID: HODOR **RQ-** 2022-08-22-33 **Projects:** SMP

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.

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification: 07/07/2022

Dissolved Oxygen DEP SOP FT 1500	Name	Date	Time ETZ	Temp °C	Baro-Meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
IC	Andrew Luering	08/23/2022	7:02	23.7	754	8.40	8.40	99.2		1.09	PASS	Lab
ICV	Andrew Luering	08/23/2022	7:06	23.7	754	8.40	8.41	99.5		1.09	PASS	Lab

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.

Specific Conductivity DEP SOP FT 1200	Name	Date	Time ETZ	Lot #	Exp. Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
IC	Andrew Luering	08/23/2022	7:09	220328A	04/2023	1000	1000	PASS	Lab
ICV	Andrew Luering	08/23/2022	7:12	220328C	04/2023	100	99.4	PASS	Lab

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time ETZ	Lot #	Exp. Date	pH Buffer SU	Temp °C	Meter Reading SU	mV	Pass / Fail	Lab / Field
IC	Andrew Luering	08/23/2022	7:15	214693	09/2023	7.0	23.9	7.01	-50.7	PASS	Lab
IC	Andrew Luering	08/23/2022	7:18	217876	01/2024	4.0	23.9	4.0	122.2	PASS	Lab
IC	Andrew Luering	08/23/2022	7:21	217565	11/2023	10.0	23.8	10.01	-230.0	PASS	Lab
ICV	Andrew Luering	08/23/2022	7:23	217565	11/2023	10.0	23.8	10.01	-228.6	PASS	Lab

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 10 179.3 , slope from 4 to 7 172.9 (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

If **YES**, complete daily Calibration & ICV below and list date of last quarterly depth verification: 07/07/2022

If **NO**, what will be used? _____ Unique ID: _____ Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time ETZ	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure Mode in Air	Andrew Luering	08/23/2022	7:25	0.00	0.00	PASS	Lab

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

COMMENTS:
No sampling.