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: The One RQ- 2023-08-14- Project: CM cemetery ditch

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 7/17/23

DO DEP SOP FT 1500	Name	Date	Time CT-ET	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.	Samantha Gelinas	8/17/23	648	20.6	761.1	9.00	9.00	100.1	—	1.031	(P) / F	(L) / F
ICV	↓	↓	652	20.6	761.1	9.00	9.03	100.7	—	—	P / F	L / F
CCV	Samantha Gelinas	8/17/23	1313	24.2	761.0	8.40	8.38	100.1	—	—	(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 CT-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Samantha Gelinas	8/17/23	656	230EF67	02/25	2500	2500	(P) / F	(L) / F
ICV	↓	↓	657	230217B	02/24	100	102.3	(P) / F	(L) / F
CCV	Samantha Gelinas	8/17/23	1316	230217A	02/24	50,000	49417	(P) / F	(L) / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Samantha Gelinas	8/17/23	700	2302176	08/24	7.01	20.3	7.02	-47.9	(P) / F	(L) / F
Calibr.	↓	↓	701	230607D	12/24	4.01	20.4	4.00	178.8	(P) / F	(L) / F
Calibr.	↓	↓	704	230607C	12/24	10.05	20.5	10.05	-211.5	(P) / F	(L) / F
ICV	Samantha Gelinas	8/17/23	705	230607D	12/24	4.01	20.6	3.97	—	(P) / F	(L) / F
CCV	Samantha Gelinas	8/17/23	1318	230607C	12/24	10.05	21.0	10.11	—	(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 _____, slope from 4 to 7 _____ (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: Slippery Disk Date of last verification: 8/14/23

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 ± 5 % or ± 0.05m, whichever is greater.

COMMENTS: