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: PRO MOVE RQ- ~~2019-04-01-10~~ NR ~~2019-04-01-26~~ NR Project: ~~SURFSTAT~~ SMP: Nowhere NR

2019-02-25-51

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 3/19/19

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.	Barrenkamp	4/3/19	0725	23.8	760.9	8.45	8.45	100.1	—	1.026	P / F	L / F
ICV	↓	↓	0727	23.9	760.8	8.43	8.45	100.2	—	—	P / F	L / F
CCV	Nicole Reistad	04/04/19	0721	24.6	761.4	8.32	8.36	100.5			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.	Barrenkamp	4/3/19	0729	2808690	8/20	1000	1000	P / F	L / F
ICV	↓	↓	0731	2812A65	12/20	100	101.4	P / F	L / F
CCV	Nicole Reistad	04/04/19	0724	2811E60	11/20	50.000	48,558	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.	Barrenkamp	4/3/19	0733	187681	11/20	7.00	25.2	7.00	—	P / F	L / F
Calibr.	↓	↓	0735	186877	11/20	4.01	25.1	4.01	—	P / F	L / F
Calibr.	↓	↓	0737	187188	10/20	10.01	25.1	10.01	—	P / F	L / F
ICV	↓	↓	0740	~~186877~~ 187188	10/20	4.01	25.2	3.96	—	P / F	L / F
CCV	Nicole Reistad	04/04/19	0728	186877	10/20	10.003	25.5	9.99	—	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: DEEP BLUE; Date of last verification: 12/26/18

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: