

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 page.

Meter ID: **PRO DSS**

RQ: **2018-10-29-15**

Project: **Nassau W&E**

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 _____

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.	C. Ruben	10-29-18	0738	22.6	8.64	8.65	100	-	-	(P) F	(L) F
ICV	↓	↓	0740	22.6	8.64	8.65	100	-	-	(P) F	(L) F
CCV	J. PARRISH	↓	1300	19.4	9.20	9.27	100.6	-	-	(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; 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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	C. Ruben	10-29-18	0742	180711A	7/2019	1000	1000	(P) F	(L) F
ICV	↓	↓	0745	180321A	4/2019	100	100	(P) F	(L) F
CCV	J. PARRISH	↓	1302	1041318	9/19	1413	1439	(P) F	L / F
CCV								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.	C. Ruben	10-29-18	0750	2803E45	3/2020	7.0	7.0	-29.5	(P) F	(L) F
Calibr.	↓	↓	0753	28016975	6/2020	4.0	4.0	153.2	(P) F	(L) F
Calibr.	↓	↓	0755	2712855	6/2019	10.0	10.0	-197.8	(P) F	(L) F
ICV	↓	↓	0758	2803E45	3/2020	7.0	7.05	-27.5	(P) F	(L) F
CCV	↓	↓	1305	2806975	6/20	4.0	4.17	142.6	(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	C. Ruben	10/29/18	0802	0.00	0.00	(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:

BP SCA 11/5/18 JP 11/2/18