

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

Boldly "X" this box if there is qualified data on

Meter ID:

YS1556 #1

Project:

SMP NASSAW EAST

RQ 2016-04-04-24

- Notes:** (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (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

01/2016

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 /	Lab /
Calibr.	P.O. Connors	04/04/16	0710	23.0	8.57	8.58	100.0	—	—	Pass	LAB
ICV	↓	↓	0715	23	8.57	8.57	99.9	—	—	Pass	LAB
CCV	TS Revis	04/04/16	1610	23.65	8.46	8.40	99.1	—	—	P	L
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass /	Lab /
Calibr.	P.O. Connors	04/04/16	0716	160216A	04/2017	1000	1000	Pass	LAB
ICV	↓	↓	0718	↓	↓	↓	1003	Pass	LAB
CCV	TS Revis	04/04/16	1617	160216B	8/16	100	103	P	L
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass /	Lab /
Calibr.	P.O. Connors	04/04/16	0725	2509677	08/2017	7.0	7.00	-36.6	Pass	LAB
Calibr.	↓	↓	↓	2509F74	09/2017	4.0	4.00	144.2	Pass	LAB
Calibr.	↓	↓	↓	2510A88	04/2017	10.0	9.98	-208.1	Pass	LAB
ICV	↓	↓	↓	2509677	08/2017	7.0	7.04	-36.1	Pass	LAB
CCV	TS Revis	4/4/16	1618	2509F74	09/2017	4.0	4.16	134.1	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 m

Depth (Quarterly)

N/A

Date of Last Depth Verification

Depth Sensor	Name	Date	Time	Zero the Sensor	ICV Value	Pass /	Lab /
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater