

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 name.

Meter ID:

A

Project:

SMP, Jgg, Pollywayok, Banta Branch

- 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

6-22-16

DO DEP SOP FT 1500	Name	Date	Time (ET)	Temp. (°C)	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Danny Berger	6-22-16	0717	24.8	8.3	8.3	100	59		P F	L F
ICV	" "	" "	0719	24.6	8.3	8.3	99	59	0.76	P F	L F
CCV	" "	" "	1325	23.1	8.0	8.0	100	60		P F	L F
CCV										P F	L F

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. FT 1200	Name	Date	Time (ET)	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Danny Berger	6-22-16	0721	160118A	4-17	1000	1000	P F	L F
ICV	" "	" "	0722	" "	" "	1000	1001	P F	L F
CCV	" "	" "	1331	160224A	8-16	10,000	9960	P F	L F
CCV	" "	" "	1332	160318	9-16	100	105	P F	L F

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time (ET)	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Danny Berger	6-22-16	0724	160222A	9-17	7.0	7.0	-63	P F	L F
Calibr.	" "	" "	0725	161523	3-18	4.0	4.0	116	P F	L F
Calibr.	" "	" "	0726	160126	2-18	10.0	10.0	-239	P F	L F
ICV	" "	" "	0727	160126	" "	10.0	10.0	-238	P F	L F
CCV	" "	" "	1335	141523	3-18	4.0	4.1	109	P F	L F
CCV									P F	L F

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;

mV pH7 Range 0 ± 50 ;

mV pH 10 Range -180 ± 50 ;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

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

Notes:

Field Meter Calibration Log

Meter ID: YSI multiprobe

	Date	6-27-16	6-28-16	7-14-16	7-19-16	
AM	pH 4.00	4.00	4.00	4.00	4.00	
	pH 7.00	7.00	7.01	7.01	7.00	
	pH 10.00	10.00	10.00	10.00	10.00	
	Cond 147					
	Cond 717.5					
	Cond 1413					
	@ Temp					
	DO %	100.4	100.3	100.4	100.3	
	DO @ Temp	26.46	27.02	26.00	27.83	
PM	pH	4/7/10	4/7/10	4/7.1/10	4/7.1/10	
	Cond	—	—	—	—	
	DO% @ Temp	100.1 / 25.92	100.3 / 27.95	100.4 / 25.64	98.5 / 26.88	
	Batteries	4540	4540	4540		
	Comments		D.O. membrane New installed			
	User	J.D.F	J.D.F	J.D.F	J.D.F	