

3/2/16 RQ-206-02-29-20 **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: CTGUS

Project: SMP - red

- 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 12/15/15

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.	Jordan Skaggs	3/2/16	750	20.9	8.9	8.9	100	48.2	1.2	P	L
ICV	"	"	"	21.0	8.9	8.9	100	48.2	—	P	L
CCV	"	"	2000	24.6	8.3	8.3	100	49.2	—	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 FT 1200	Name	Date	Time CT-ET	Lot #	Expir Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Jordan Skaggs	3/2/16	800	2504601	9/16	1K	1K	P	L
ICV	"	"	"	2601533	12/17	100	101	P	L
CCV	"	"	2000	150819E	8/16	1K	55K 990	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Jordan Skaggs	3/2/16	805	156651	10/17	7.0	7.0	-31	P	L
Calibr.	"	"	"	153225	5/17	4.0	4.0	147	P	L
Calibr.	"	"	"	149101	1/17	10.0	10.0	-206	P	L
ICV	"	"	"	"	"	10.0	10.0	—	P	L
CCV	"	"	2000	153225	5/17	4.0	4.1	—	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 mV

Depth (Quarterly)

Date of Last Depth Verification 3-1-16

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Jordan Skaggs	3/2/16	810	0.000	0	P	L

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

RQ-2016-02-29-60

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:

AE3

Project:

SMP / Oak Creek

- 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

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.	Hurley	3/2	0900	19.9	9.1	9.1	100	47	1.2	P	L
ICV				19.9	9.1	9.1	100			P	L
CCV			1530	21.9	9.8	8.9	101			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. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard $\mu\text{mhos/cm}$	Meter Reading $\mu\text{mhos/cm}$	Pass / Fail	Lab / Field
Calibr.	Hurley	3/2	0900	150819E	8/16	1000	1000	P	L
ICV				2607533	12/17	100	101	P	L
CCV			1530	140917C	9/16	500	504	P	L
CCV									

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

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.	Hurley	3/2	0900	156651	10/17	7.0	7.0	-16	P	L
Calibr.				153225	5/17	4.0	4.0	160	P	L
Calibr.				149101	1/17	10.0	10.0	-190	P	L
ICV				149101	1/17	10.0	10.0		P	L
CCV			1530	153225	5/17	4.0	4.1		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 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 $\pm 0.05\text{m}$, whichever is greater