

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 DEP 143734 QUANTA #1 RQ- 2016-09-19-47 Project SCW ANNEX #1

- 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

1/2016 07/2016

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 / Fail	Lab / Field
Calibr.	PO'com	09/22/16	0710	23.5	8.49	8.49	100.0	—	—	Pass	LAD
ICV	↓	↓	0720	23.6	8.48	8.44	100.0	—	—	Pass	LAD
CCV	AKalmbacher	9-22-16	1355	26.0	8.11	8.15	100.5	—	—	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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	PO'com	9/22/16	0722	160616A	06/2017	1000	1000	Pass	LAD
ICV	↓	↓	0724	151113A	11/2016	100	101	Pass	LAD
CCV	AKalmbacher	9-22-16	1358	160616A	6/2017	999			
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.	PO'com	9/22/16	0725	2606E04	06/2018	7.0	7.00	—	Pass	LAD
Calibr.			0728	2406556	01/2018	4.0	4.00	—	Pass	LAD
Calibr.			0732	2516A88	04/2017	10.0	9.91	—	Pass	LAD
ICV	AKalmbacher	↓	1400	2606E04	06/2018	7.0	7.11	—	P	L
CCV										
CCV										

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

mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range

+180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 50;

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

and 180 mV

Depth (Quarterly)

Date of Last Depth Verification

N/A

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

Scanned 10/5/16

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 QUANTA RQ- 2016-09-19-47 Project Suwannee

- 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 12/2016 07/2016

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 / Fail	Lab / Field
Calibr.	PO ₂ com	09/20/16	0730	23.4	8.51	8.51	100.0	-	-	Pass	LAD
ICV	↓	↓	0740	23.4	8.51	8.47	99.9	-	-	Pass	LAD
CCV	PO ₂ com	09/20/16	1400	25.1	8.24	8.11	98.5	-	-	Pass	CAS
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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	PO ₂ com	09/20/16	0745	160616A	06/2017	1000	1000	Pass	LAD
ICV	↓	↓	0745	151113A	11/2016	100	100	Pass	CAS
CCV	PO ₂ com	09/20/16	1415	151113A	11/2016	100	101	Pass	CAS
CCV	↓	↓	1418	160616A	06/2017	1000	1000	Pass	LAD

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.	PO ₂ com	09/20/16	0750	2606E04	06/2018	7.0	7.00	-	Pass	LAD
Calibr.	↓	↓	0752	2602556	01/2018	4.0	4.00	-	Pass	LAD
Calibr. ICV	↓	↓	0754	2510A88	04/2017	10.0	9.87	-	P	L
ICV	PO ₂ com	09/20/16	1420	2606E04	06/2018	7.0	6.84	-	Pass	LAD
CCV	↓	↓	1422	2602556	01/2018	4.0	3.83	-	Pass	CAS
CCV										

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

mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range

+180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 50;

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

and 180mV

Depth (Quarterly)

Date of Last Depth Verification N/A

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

NF 10/5/16