

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 #1** RQ- **2017-05-08-07** Project **SUNNYSIDE 4**

- 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 **02-09-17**

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	05-17-17	0645	23.3	8.53	8.50	100.0	—	—	Pass	Lab
ICV	✓	✓	0710	23.3	8.53	8.50	100			Pass	Lab
CCV	PO Com	05-17-17	1628	27.5	7.89	7.84	99.2	—	—	Pass	Lab
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	05-17-17	0712	170315B	03-2018	1000	1000	Pass	Lab
ICV	✓	✓	0714	170315A	03-2018	100	101	Pass	Lab
CCV	PO Com	05-17-17	1630	170315B	03-2018	1000	1004	Pass	Lab
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	05-17-17	0715	2702C47	02-2019	7.0	7.00	—	Pass	Lab
Calibr.			0721	2610F42	10-2018	4.0	4.00	—	Pass	Lab
Calibr. ICV	✓	✓	0730	2610F42	05-2018	10.0	9.86	—	Pass	Lab
ICV	PO Com	05-17-17	1634	2702C47	02-2019	7.00	7.13	—	Pass	Lab
CCV	✓	✓	1638	2610F42	10-2018	4.00	4.10	—	Pass	Lab
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				0.000			
in air							

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