

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 Q143734 RQ- 2016-05-30-23 Project Nassau East

- 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 Lab

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 04 / / 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.	J. Gruentzel	6/2/16	0730	24.21	8.39	8.42	100.4			P	L
ICV	B. Davis	6/2/16	1510	24.39	8.35	8.34	99.9			P	L
CCV											
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.	J. Gruentzel	6/2/16	0734			1000	1000	P	L
ICV	J. Gruentzel	6/2/16	0737			100	101	P	L
CCV	B. Davis	6/2/16	1515			59,640	59,900	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.	J. Gruentzel	6/2/16	0738			7.0				
Calibr.	J. Gruentzel	6/2/16	0741			4.0	4.00			
Calibr.	J. Gruentzel	6/2/16	0744			10.0	9.91			
ICV	B. Davis	6/2/16	1520			7.0	7.11		P	L
CCV										
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;
 +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 50;
 and 180mV

mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range

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

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

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD4000)

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Meter YS 556 RQ- 2016-05-30-24 Project Nass Est

- 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 4/2016

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.	J Pankh	6/2/16	700	22.56	8.49	8.48	100	-	-	P	L
ICV	J	J	707	23.62	8.49	8.49	100.1	-	-	P	L
CCV	J Pankh	6/2/16	1225	23.7	8.46	8.76	103.5	-	-	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	J Pankh	6/2/16	709	160216A	2/17	1000	1000	P	L
ICV	J	J	J	05151413	6/16	1413	1355	P	L
CCV	J Pankh	6/2/16	1231	12946	4/16	12900	12981	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.	J Pankh	6/2/16	730	2510A81	10/17	7.0	7.0		P	L
Calibr.	J	J	731	2509E74	9/17	4.0	4.0		P	L
Calibr.	J	J	732	2510A88	4/17	10.0	10.0		P	L
ICV	J	J	733	2510A81	10/17	7.0	7.02		P	L
CCV	J Pankh	6/2/16	1232	2510A81	10/17	7.0	7.12		P	L
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 4/2016

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