

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

RQ-2016-05-23-25

Boldly "X" this box if there is qualified data on this page.

Meter ID: **AE3**

Project: **Snp Bayrun**

- 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 **4/7/16**

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.	James P. Hays	5/23	8:00	23.6	8.5	8.5	100	43.1	1.069	P	L
ICV	"	"	8:02	23.6	8.5	8.5	100	43.1		P	L
CCV	T WIPPICK	5/23	2200	24.0	8.4	8.5	101	44.1		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.
 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.	James P. Hays	5/23	8:08	2602602	02/18	1000	1000	P	L
ICV	"	5/23	8:09	2602602	3/18	100	103	P	L
CCV	T WIPPICK	5/23	2200	2601526	12/17	100,000	101,799	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	mV	Pass / Fail	Lab / Field
Calibr.	James P. Hays	5/23	8:11	156651	10/17	7.0	7.0	-270	P	L
Calibr.	"	"	8:13	158982	01/18	4.0	4.0	149.9	P	L
Calibr.	"	"	"	156700	10/17	10.0	10.0	-202.3	P	L
ICV	"	"	"	156700	10/17	10.0	9.97	-201.2	P	L
CCV	T WIPPICK	5/23	2200	158982	01/18	4.0	4.0		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 **4/7/16**

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	James P. Hays	5/23	8:20	0.000	0.00	P	L

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