

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:

SNEK

RQ:

2018 04-30-75

Project:

SMP - CANALS

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fin In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

03/28/2018

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.	M. Dugan	04/30/18	0701	25.3	8.218	8.27	100			P/F	L/F
ICV	"	"	0703	25.3	8.218	8.27	100			P/F	L/F
CCV	N. Reistad	04/30/18	1413	26.0	8.114	8.16	100			P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	M. Dugan	04/30/18	0704	1712113	12/18	100	100	P/F	L/F
ICV	"	"	0708	1803213	04/19	1000	975	P/F	L/F
CCV	N. Reistad	04/30/18	1400	1803213	04/19	1000	1000	P/F	L/F
CCV				1712113	12/18	100	97	P/F	L/F

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.	M. Dugan	04/30/18	0710	177435	10/19	7.0	7.0	9.4	P/F	L/F
Calibr.	"	"	0712	177759	10/19	4.0	4.0	189.9	P/F	L/F
Calibr.	"	"	0713	177758	10/19	10.0	10.0	175.1	P/F	L/F
ICV	"	"	0716	177759	10/19	4.0	4.0		P/F	L/F
CCV	N. Reistad	04/30/18	1403	177758	10/19	10.0	10.2	-186.7	P/F	L/F
CCV									P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 165.4, slope from 4 to 7 180.5 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass/ Fail	Lab/ Field
Pressure mode in air						P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: