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

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

Meter ID: 7 Project: SMP: Arbuckle, Platt, Jackson D.O. Fail

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 3/17/16

DO DEP SOP FT 1500	Name	Date	Time (ET)	Temp. (°C)	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Kaitlin DeBeth	6/13/16	0705	24.6	8.32	8.33	100.0	99.2	1.19	(P) F	(L) F
ICV	"	"	0755	24.6	8.30	8.20	99.9	98.2		(P) F	(L) F
CCV	Kaitlin DeBeth	6/13/16	1655	~~12.5~~	8.40	6.90	78.5	99.2		P (F)	(L) F
CCV				23.85						P F	L F

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 (ET) 0756	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Kaitlin DeBeth	6/13/16	~~0756~~	160418A	4/17	1,000	1,000	(P) F	(L) F
ICV	"	"	0757	150915E	9/16	500	512	(P) F	(L) F
CCV	Corey Anderson	6-13-16	1618	160318	9/16	100	101	(P) F	(L) F
CCV								P F	L F

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time (ET)	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Kaitlin DeBeth	6/13/16	0800	160222A	9/17	7.0	7.0	-15.6	(P) F	(L) F
Calibr.	"	"	0801	161523	3/18	4.0	4.0	154.5	(P) F	(L) F
Calibr.	"	"	0802	160126	2/18	10.0	10.0	-183.9	(P) F	(L) F
ICV	"	"	0804	160126	2/18	10.0	10.0	-183.0	(P) F	(L) F
CCV	Corey Anderson	6-3-16	1610	161523	3/18	4.0	4.2	+138	(P) F	(L) F
CCV									P F	L F

Report pH with one decimal place; pH Acceptance criteria ±0.2 SU; mV pH7 Range 0±50; mV pH 4 Range +180±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 _____

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 ±5 % or ±0.05m, whichever is greater

Notes: * replaced DO membrane kit

Field Meter Calibration Log

Meter ID: YSI multi probe

	Date	4-27-16	5-24-16	5-26-16	6-13-16	6-21-16
AM	pH 4.00	4	4	4	4	4
	pH 7.00	7	7	7	7	7
	pH 10.00	10	10	10	10	10
	Cond 147	|	|		|	|
	Cond 717.5	|	|		|	|
	Cond 1413	|	|		|	|
	@ Temp	|	|			
	DO %	100.0	100.2	100.3	100.2	100.6
	DO @ Temp	24.81	24.70	25.22	26.41	24.15
PM	pH _____	4/7/10	4/7/10	4/7/10	4.01/7/10	4/7.04/10.0
	Cond _____	—	—	—	—	—
	DO%@ Temp	100.0 / 26.75	100.4 / 27.52	100.4 / 27.50	100.1 / 26.40	100.5 / 25.41
	Batteries	46%	46%	46%	46%	45%
	Comments					
	User	J.D.F.	J.D.F.	SF/J.D.F.	J.D.F.	J.D.F.