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Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000) 11-10-05

Project/Site: SMP Gun Creek/Short Date: 9/29/16

Meter # **DEP 132237**

Temperature (Quarterly) For Date of Last Temperature Verification see in log book

**Dissolved
Oxygen**

DEP SOP FT 1500	Initials	Date	Time	Probe Charge	Probe Gain	mg/L	Temp °C	% DO	Saturation mg/L (from chart)	Pass or Fail
<u>CCV</u>	<u>NM</u>	<u>9/29/16</u>	<u>0800</u>			<u>8.3</u>	<u>24.1</u>	<u>99</u>	<u>8.403</u>	<u>P</u>
<u>CCV</u>	<u>NM</u>	<u>9/30/16</u>	<u>1100</u>			<u>8.54</u>	<u>23.2</u>	<u>100</u>	<u>8.546</u>	<u>P</u>
<u>CCV</u>										<u>P</u>
<u>CCV</u>										<u>P</u>
<u>CCV</u>										<u>P</u>
<u>CCV</u>										<u>P</u>
<u>CCV</u>										<u>P</u>
<u>CCV</u>										<u>P</u>

**Specific
Conductance**

DEP SOP FT 1200	Initials	Date	Time	Standard µmhos/cm	Exp. Date	Lot #	Bottle #	Cell Constant	Reading µmhos/cm	Pass or Fail
<u>CCV</u>	<u>NM</u>	<u>9/29/16</u>	<u>0800</u>	<u>100</u>	<u>11/17</u>	<u>2511994</u>			<u>100</u>	<u>P</u>
<u>CCV</u>	<u>F</u>	<u>9/30/16</u>	<u>1100</u>	<u>1413</u>	<u>7/14/17</u>	<u>40116-5</u>			<u>1385</u>	<u>P</u>
<u>CCV</u>										<u>P</u>
<u>CCV</u>	<u>NM</u>	<u>9/30/16</u>	<u>1100</u>	<u>100</u>	<u>11/17</u>	<u>2511994</u>			<u>104</u>	<u>P</u>
<u>CCV</u>										<u>P</u>
<u>CCV</u>										<u>P</u>
<u>CCV</u>										<u>P</u>

pH

DEP SOP FT 1100	Initials	Date	Time	Standard SU	Exp. Date	Lot #	Bottle #	mV / Slope	Reading SU	Pass or Fail
<u>CCV</u>	<u>NM</u>	<u>9/29/16</u>	<u>0800</u>	<u>7</u>	<u>5/17</u>	<u>2806518</u>			<u>7.0</u>	<u>P</u>
<u>CCV</u>	<u>F</u>	<u>9/30/16</u>	<u>1100</u>	<u>9</u>	<u>3/18</u>	<u>2603491</u>			<u>4.0</u>	<u>P</u>
<u>CCV</u>	<u>F</u>	<u>9/30/16</u>	<u>1100</u>	<u>10</u>	<u>10/17</u>	<u>1605846</u>		<u>200.6</u>	<u>0.02</u>	<u>P</u>
<u>CCV</u>										<u>P</u>
<u>CCV</u>	<u>NM</u>	<u>9/30/16</u>	<u>1100</u>	<u>4</u>	<u>3/18</u>	<u>2603491</u>		<u>1318</u>	<u>4.14</u>	<u>P</u>
<u>CCV</u>										<u>P</u>
<u>CCV</u>										<u>P</u>

Maintenance: Weekly pH Slope: _____

Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed: Yes No

Notes:

Perform only in Calibrate Mode: **CAL** - Calibrate
Perform only in Run Mode: **ICV** - Initial Calibration Verification
Perform only in Run Mode: **CCV** - Continuing Calibration Verification

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if there is qualified
data on this page.

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000) 11-10-05

Project/Site: RA-2016-10-3-52

Date: 9/28/16

Meter # DEP 113529

Temperature (Quarterly) For Date of Last Temperature Verification see in log book

Dissolved Oxygen		DEP SOP FT 1500	Initials	Date	Time	Probe Charge	Probe Gain	mg/L	Temp °C	% DO	Saturation mg/L (from chart)	Pass or Fail
Acceptance Criteria: ± 0.3 mg/L												
CAL	ICV	CCV	RA	9/28/16	0845			8.4	23.1		8.562	P
CAL	ICV	CCV	RA	9/29/16	1545			8.1	25.5		8.188	P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P

Specific Conductance		DEP SOP FT 1200	Initials	Date	Time	Standard $\mu\text{mhos/cm}$	Exp. Date	Lot #	Bottle #	Cell Constant	Reading $\mu\text{mhos/cm}$	Pass or Fail
Acceptance Criteria: $\pm 5\%$												
CAL	ICV	CCV	RA	9/28/16	0846	12900	1/21/17	KCI 16-1			12571 - 12900	P
CAL	ICV	CCV	RA	9/28/16	0847	1413	7/14/17	KCI 16-5			1420	P
CAL	ICV	CCV	RA	9/29/16	1547	100	1/11/17	2511944			101	P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P

pH		DEP SOP FT 1100	Initials	Date	Time	Standard SU	Exp. Date	Lot #	Bottle #	mV / Slope	Reading SU	Pass or Fail
Acceptance Criteria: ± 0.2 SU												
CAL	ICV	CCV	RA	9/28/16	0850	7	5/17	2506518			-23.5	P
CAL	ICV	CCV	RA	9/28/16	0852	4	3/18	2603491			6.97 - 7.00	P
CAL	ICV	CCV	RA	9/29/16	0854	10	10/17	1605846			3.92 - 4.00	P
CAL	ICV	CCV	RA	9/29/16	0855	4	3/18	2603491			195.0	P
CAL	ICV	CCV	RA	9/29/16	1548	7	5/17	2506518			4.0	P
CAL	ICV	CCV									7.0	P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P

Maintenance: Weekly pH Slope: _____

Specific Conductance Probe Cleaned? Yes No

Dissolved Oxygen Membrane Changed: Yes No

Notes: