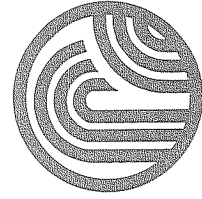


Laboratory Report

Report ID: 103614



Sierra
Environmental
Monitoring, Inc.

Stillwater Sciences
Attn: Noah Hume
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Date: 2/4/2010
Client: STW-90902
Taken by: M. Reymann
PO #: 398.01/1330

Dear Noah Hume,

It is the policy of Sierra Environmental Monitoring, Inc to strictly adhere to a comprehensive Quality Assurance Plan that insures the data presented in this report are both accurate and precise. Sierra Environmental Monitoring, Inc. maintains accreditation in the State of Nevada (NV-15) and the State of California (ELAP 2526).

The data presented in this report were obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged with appropriate explanation in the Analysis Report section of this Laboratory Report.

General Comments:

- There are no general comments for this report.

Individual Sample Comments:

- There are no specific comments that are associated with these samples.

Approved By:

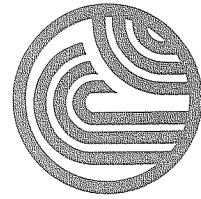
A handwritten signature in black ink, appearing to read 'John Kobza', is written over a horizontal line.

Sierra Environmental Monitoring, Inc.

Date:

2/4/2010

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid for this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client assumes all liability for the further distribution of the report or its contents.



Laboratory Report

Report ID: 103614

Sierra
Environmental
Monitoring, Inc.

Stillwater Sciences
Attn: Noah Hume
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Date: 2/4/2010
Client: STW-90902
Taken by: M. Reymann
PO #: 398.01/1330

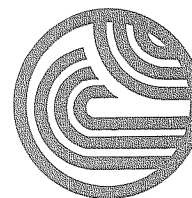
Analysis Report

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received
S201001-1156	R 1	1/27/2010	10:45 AM	1/28/2010

Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Ammonia-N	EPA 350.3	<0.1	mg/L N	0.1	Pacheco	2/3/2010	
Chlorophyll a	SM 10200 H	<2	ug/L	2	Keller	2/3/2010	
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	1.0	mg/L N	0.1	Pacheco	1/29/2010	
Nitrate-N - Ion Chromatography	EPA 300.0	1.4	mg/L N	0.05	Faulstich	1/28/2010	
Nitrite-N - Ion Chromatography	EPA 300.0	<0.05	mg/L N	0.05	Faulstich	1/28/2010	
Phosphorus - Ortho	EPA 365.3	0.05	mg/L	0.02	Van Ry	1/28/2010	
Phosphorus - Total	EPA 365.3	0.15	mg/L	0.02	Kobza	2/3/2010	

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received
S201001-1157	EM 1	1/27/2010	1:05 PM	1/28/2010

Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Ammonia-N	EPA 350.3	0.2	mg/L N	0.1	Pacheco	2/3/2010	
Chlorophyll a	SM 10200 H	<2	ug/L	2	Keller	2/3/2010	
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	0.4	mg/L N	0.1	Pacheco	1/29/2010	
Nitrate-N - Ion Chromatography	EPA 300.0	1.4	mg/L N	0.05	Faulstich	1/28/2010	
Nitrite-N - Ion Chromatography	EPA 300.0	<0.05	mg/L N	0.05	Faulstich	1/28/2010	
Phosphorus - Ortho	EPA 365.3	0.06	mg/L	0.02	Van Ry	1/28/2010	
Phosphorus - Total	EPA 365.3	0.29	mg/L	0.02	Kobza	2/3/2010	



Laboratory Report

Report ID: 103614

Sierra
Environmental
Monitoring, Inc.

Stillwater Sciences
Attn: Noah Hume
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Date: 2/4/2010
Client: STW-90902
Taken by: M. Reymann
PO #: 398.01/1330

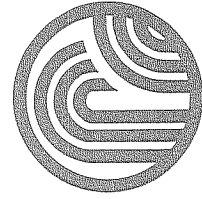
Analysis Report

Sample ID: S201001-1158 Customer Sample ID: EM 2 Date Sampled: 1/27/2010 Time Sampled: 12:40 PM Date Received: 1/28/2010

Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Ammonia-N	EPA 350.3	0.9	mg/L N	0.1	Pacheco	2/3/2010	
Chlorophyll a	SM 10200 H	5	ug/L	2	Keller	2/3/2010	
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	1.5	mg/L N	0.1	Pacheco	1/29/2010	
Nitrate-N - Ion Chromatography	EPA 300.0	18	mg/L N	0.05	Faulstich	1/28/2010	
Nitrite-N - Ion Chromatography	EPA 300.0	<0.05	mg/L N	0.05	Faulstich	1/28/2010	
Phosphorus - Ortho	EPA 365.3	2.0	mg/L	0.1	Van Ry	1/28/2010	
Phosphorus - Total	EPA 365.3	2.5	mg/L	0.1	Kobza	2/3/2010	

Sample ID: S201001-1159 Customer Sample ID: EU 1 Date Sampled: 1/27/2010 Time Sampled: 3:00 PM Date Received: 1/28/2010

Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Ammonia-N	EPA 350.3	<0.1	mg/L N	0.1	Pacheco	2/3/2010	
Chlorophyll a	SM 10200 H	81	ug/L	2	Keller	2/3/2010	
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	0.6	mg/L N	0.1	Pacheco	1/29/2010	
Nitrate-N - Ion Chromatography	EPA 300.0	7.4	mg/L N	0.5	Faulstich	1/28/2010	
Nitrite-N - Ion Chromatography	EPA 300.0	<0.5	mg/L N	0.5	Faulstich	1/28/2010	
Phosphorus - Ortho	EPA 365.3	0.18	mg/L	0.02	Van Ry	1/28/2010	
Phosphorus - Total	EPA 365.3	0.36	mg/L	0.02	Kobza	2/3/2010	



Laboratory Report

Report ID: 103614

Sierra
Environmental
Monitoring, Inc.

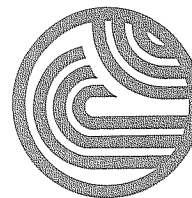
Stillwater Sciences
Attn: Noah Hume
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Date: 2/4/2010
Client: STW-90902
Taken by: M. Reymann
PO #: 398.01/1330

Analysis Report

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received				
S201001-1160	EU 2	1/27/2010	2:40 PM	1/28/2010	Reporting Limit	Analyst	Date Analyzed	Data Flag
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag	
Ammonia-N	EPA 350.3	<0.1	mg/L N	0.1	Pacheco	2/3/2010		
Chlorophyll a	SM 10200 H	36	ug/L	2	Keller	2/3/2010		
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	1.1	mg/L N	0.1	Pacheco	1/29/2010		
Nitrate-N - Ion Chromatography	EPA 300.0	4.5	mg/L N	2.5	Faulstich	1/28/2010		
Nitrite-N - Ion Chromatography	EPA 300.0	<2.5	mg/L N	2.5	Faulstich	1/28/2010		
Phosphorus - Ortho	EPA 365.3	0.25	mg/L	0.02	Van Ry	1/28/2010		
Phosphorus - Total	EPA 365.3	0.48	mg/L	0.02	Kobza	2/3/2010		

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received				
S201001-1161	EU 3	1/27/2010	12:15 PM	1/28/2010	Reporting Limit	Analyst	Date Analyzed	Data Flag
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag	
Ammonia-N	EPA 350.3	0.7	mg/L N	0.1	Pacheco	2/3/2010		
Chlorophyll a	SM 10200 H	4	ug/L	2	Keller	2/3/2010		
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	1.1	mg/L N	0.1	Pacheco	1/29/2010		
Nitrate-N - Ion Chromatography	EPA 300.0	19	mg/L N	0.05	Faulstich	1/28/2010		
Nitrite-N - Ion Chromatography	EPA 300.0	<0.05	mg/L N	0.05	Faulstich	1/28/2010		
Phosphorus - Ortho	EPA 365.3	2.4	mg/L	0.1	Van Ry	1/28/2010		
Phosphorus - Total	EPA 365.3	2.5	mg/L	0.2	Kobza	2/3/2010		



Laboratory Report

Report ID: 103614

Sierra
Environmental
Monitoring, Inc.

Stillwater Sciences
Attn: Noah Hume
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Date: 2/4/2010
Client: STW-90902
Taken by: M. Reymann
PO #: 398.01/1330

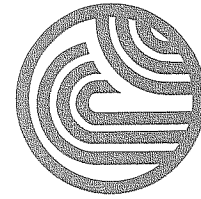
Analysis Report

Sample ID: S201001-1162 Customer Sample ID: EL 1 Date Sampled: 1/27/2010 Time Sampled: 1:15 PM Date Received: 1/28/2010

Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Ammonia-N	EPA 350.3	0.2	mg/L N	0.1	Pacheco	2/3/2010	
Chlorophyll a	SM 10200 H	<2	ug/L	2	Keller	2/3/2010	
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	0.5	mg/L N	0.1	Pacheco	1/29/2010	
Nitrate-N - Ion Chromatography	EPA 300.0	2.0	mg/L N	0.5	Faulstich	1/28/2010	
Nitrite-N - Ion Chromatography	EPA 300.0	<0.5	mg/L N	0.5	Faulstich	1/28/2010	
Phosphorus - Ortho	EPA 365.3	0.08	mg/L	0.02	Van Ry	1/28/2010	
Phosphorus - Total	EPA 365.3	0.53	mg/L	0.02	Kobza	2/3/2010	

Sample ID: S201001-1163 Customer Sample ID: EL 2 Date Sampled: 1/27/2010 Time Sampled: 1:35 PM Date Received: 1/28/2010

Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Ammonia-N	EPA 350.3	0.3	mg/L N	0.1	Pacheco	2/3/2010	
Chlorophyll a	SM 10200 H	15	ug/L	2	Keller	2/3/2010	
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	0.6	mg/L N	0.1	Pacheco	1/29/2010	
Nitrate-N - Ion Chromatography	EPA 300.0	<2.5	mg/L N	2.5	Faulstich	1/28/2010	
Nitrite-N - Ion Chromatography	EPA 300.0	<2.5	mg/L N	2.5	Faulstich	1/28/2010	
Phosphorus - Ortho	EPA 365.3	0.13	mg/L	0.02	Van Ry	1/28/2010	
Phosphorus - Total	EPA 365.3	0.31	mg/L	0.02	Kobza	2/3/2010	



Laboratory Report
Report ID: 103614

Sierra
 Environmental
 Monitoring, Inc.

Stillwater Sciences
 Attn: Noah Hume
 2855 Telegraph Ave., Suite 400
 Berkeley, CA 94705

Date: 2/4/2010
Client: STW-90902
Taken by: M. Reymann
PO #: 398.01/1330

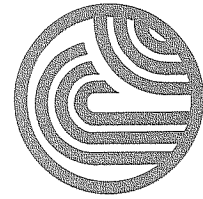
Analysis Report

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received			
S201001-1164	EU 1 DUP	1/27/2010	3:00 PM	1/28/2010	Reporting Limit	Analyst	Date Analyzed
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Ammonia-N	EPA 350.3	<0.1	mg/L N	0.1	Pacheco	2/3/2010	
Chlorophyll a	SM 10200 H	75	ug/L	2	Keller	2/3/2010	
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	0.6	mg/L N	0.1	Pacheco	1/29/2010	
Nitrate-N - Ion Chromatography	EPA 300.0	7.4	mg/L N	0.5	Faulstich	1/28/2010	
Nitrite-N - Ion Chromatography	EPA 300.0	<0.5	mg/L N	0.5	Faulstich	1/28/2010	
Phosphorus - Ortho	EPA 365.3	0.18	mg/L	0.02	Van Ry	1/28/2010	
Phosphorus - Total	EPA 365.3	0.34	mg/L	0.02	Kobza	2/3/2010	

Data Flag Legend:

Laboratory Report

Report ID: 103614



Sierra
Environmental
Monitoring, Inc.

Stillwater Sciences
Attn: Noah Hume
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Date: 2/4/2010
Client: STW-90902
Taken by: M. Reymann
PO #: 398.01/1330

Quality Control Report

<i>Parameter</i>	<i>LCS, % Recovery</i>	<i>MS, % Recovery</i>	<i>MSD, % Recovery</i>	<i>RPD, %</i>	<i>Method Blank</i>
Ammonia-N	98.0	103.0	101.0	1.96	<0.1 mg/L
Chlorophyll a				0.00	<2 ug/L
Kjeldahl Nitrogen - Digestion/Anal	101.0	94.0	100.0	6.61	<0.1 mg/L
Nitrate-N - Ion Chromatography	100.0	98.0	98.0	0.92	<0.05 mg/L
Nitrite-N - Ion Chromatography	100.0	103.0	105.0	1.92	<0.05 mg/L
Phosphorus - Ortho	104.0	114.0	114.0	1.98	<0.02 mg/L
Phosphorus - Total	87.0	78.0	81.0	0.32	<0.02 mg/L

<i>Legend: LCS- Laboratory Control Standard</i>	<i>MS- Matrix Spike</i>	<i>MSD- Matrix Spike Duplicate</i>
<i>RPD- Relative Percent Difference</i>		

SIERRA ENVIRONMENTAL MONITORING, INC.



CHAIN OF CUSTODY RECORD

10/16/14

1135 FINANCIAL BOULEVARD - RENO - NEVADA - 89502

PHONE: (775) 857 - 2400 FAX: (775) 857 - 2404 E-Mail sem@sem-analytical.com

Client Name: Stillwater Sciences Purchase Order: 398,01/1330

Address: 2855 Telegraph Ave, #400 Phone/Fax #: 510-848-8098

City: Berkeley State: CA Zip: 94705 Report Attention: Noah Hume

Sampled by: M. Reymann Signature: *[Signature]*

Date Sampled	Time Sampled	Sample Type *	Sample Identification	Preservative* See Key Below	Number of Containers	TKN, NH3, NO3	NO2	Total Phosphorus	Ortho-Phosphate	Chlorophyll a	Turnaround Time	Compliance Monitoring
12/7/10	1045	2	R1	6.4	5	X	X	X	X	X	Standard: _____ Rush: 24 Hr _____ 48 Hr _____	Yes: _____ No: _____
	1305	2	EM1	6.4	5	X	X	X	X	X	Please provide	17
	1240	2	EM2	6.4	5	X	X	X	X	X		
	1500	2	EU1	6.4	5	X	X	X	X	X	PDF and	1
	1440	2	EU2	6.4	5	X	X	X	X	X		
	1215	2	EU3	6.4	5	X	X	X	X	X	E-D-D (excl)	1
	1315	2	EL1	6.4	5	X	X	X	X	X		
	1335	2	EL2	6.4	5	X	X	X	X	X	results!!	2
	1500	2	EU1 Dup	6.4	5	X	X	X	X	X		

Relinquished By: *[Signature]* Signature: _____ Print Name: Mike Reymann Company: Stillwater Date: 12/7/10 Time: 1600

Received By: _____

Relinquished By: _____

Received By: _____

Relinquished By: *[Signature]* Signature: _____ Print Name: Tracey Quamle Company: SEM Date: 1/28/12 Time: 10:00

Received By: *[Signature]* Signature: _____

Custody Seal Intact Yes _____ No _____ None _____

Sample Temperature _____ Degrees C _____

Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The analytical results associated with this COC apply only to the samples as they are received by the laboratory. The liability of the laboratory is limited to the amount paid for the report.

Terms: Net thirty days on approved credit.

* KEY: Sample Type: 1=Drinking Water, 2=Surface Water, 3=Ground Water, 4=Waste Water, 5=Soil, 6=RCRA, 7=Other Preservative: 1=NaOH, 2=NaOH + ZnOAC, 3=HNO3, 4=H2SO4, 5=Na2S2O3, 6=None, 7=Other