



Laboratory Report
Report ID: 108880

**Sierra
Environmental
Monitoring, Inc.**

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

Date: 10/14/2010
Client: STW-90902
Taken by: Reymann/Jarrett
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", written over a horizontal line.

Sierra Environmental Monitoring, Inc.

Date:

10/14/2010

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.



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Analysis Report

| Sample ID: | Customer Sample ID | Date Sampled | Time Sampled | Date Received | Parameter | Method | Result | Units | Reporting Limit | Analyst | Date Analyzed | Data Flag |
|--------------|--------------------|--------------|--------------|---------------|--------------------------------|-----------|--------|--------|-----------------|-----------|---------------|-----------|
| S201010-0794 | GW 1 | 10/12/2010 | 2:15 PM | 10/13/2010 | Nitrate-N - Ion Chromatography | EPA 300.0 | <0.5 | mg/L N | 0.5 | Faulstich | 11/13/2010 | |
| | | | | | Nitrite-N - Ion Chromatography | EPA 300.0 | <0.5 | mg/L N | 0.5 | Faulstich | 11/13/2010 | |

| Sample ID: | Customer Sample ID | Date Sampled | Time Sampled | Date Received | Parameter | Method | Result | Units | Reporting Limit | Analyst | Date Analyzed | Data Flag |
|--------------|--------------------|--------------|--------------|---------------|--------------------------------|-----------|--------|--------|-----------------|-----------|---------------|-----------|
| S201010-0795 | GW 2 | 10/12/2010 | 2:40 PM | 10/13/2010 | Nitrate-N - Ion Chromatography | EPA 300.0 | <0.5 | mg/L N | 0.5 | Faulstich | 11/13/2010 | |
| | | | | | Nitrite-N - Ion Chromatography | EPA 300.0 | <0.5 | mg/L N | 0.5 | Faulstich | 11/13/2010 | |

| Sample ID: | Customer Sample ID | Date Sampled | Time Sampled | Date Received | Parameter | Method | Result | Units | Reporting Limit | Analyst | Date Analyzed | Data Flag |
|--------------|--------------------|--------------|--------------|---------------|--------------------------------|-----------|--------|--------|-----------------|-----------|---------------|-----------|
| S201010-0796 | GW 3 | 10/12/2010 | 3:05 PM | 10/13/2010 | Nitrate-N - Ion Chromatography | EPA 300.0 | 1.4 | mg/L N | 0.5 | Faulstich | 11/13/2010 | |
| | | | | | Nitrite-N - Ion Chromatography | EPA 300.0 | <0.5 | mg/L N | 0.5 | Faulstich | 11/13/2010 | |

Data Flag Legend:



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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> |
|--------------------------------|----------------------------|---------------------------|----------------------------|---------------|---------------------|
| Nitrate-N - Ion Chromatography | 93.0 | 92.0 | 92.0 | 0.54 | <0.05 mg/L |
| Nitrite-N - Ion Chromatography | 100.0 | 118.0 | 120.0 | 1.68 | <0.05 mg/L |

| | | | |
|----------------|--|--------------------------------|---|
| Legend: | <i>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.
 1135 FINANCIAL BOULEVARD - RENO - NEVADA - 89502
 PHONE: (775) 857 - 2400 FAX: (775) 857 - 2404 E-Mail sem@sem-analytical.com



SEND
 DATE: 10/15/03 FAX

CHAIN OF CUSTODY RECORD

16880

Client Name: Stillwater Sciences
 Address: 2865 Telegraph Ave, #400
 City: Berkeley State: CA Zip: 94705
 Report Attention: Noah Hume
 M. Reymann/K. Jarrett
 Signature: *M. Reymann*

Phone/Fax #: 510-848-8098
 Purchase Order: 398.01/1330

Analyses Requested

Turnaround Time
 Standard: _____ Other: _____
 Rush: 24 Hr _____
 48 Hr _____

Compliance Monitoring
 Yes: _____ No: _____
 Lab Use Only Sub-Sample pH <2 >12

| Date Sampled | Time Sampled | Sample Type * | Sample Identification | Preservative* See Key Below | Number of Containers | NO3 | NO2 | Remarks |
|--------------|--------------|---------------|-----------------------|-----------------------------|----------------------|-----|-----|------------|
| 10/12/03 | 1415 | 3 | GW1 | 6.4 | 2 | X | X | See office |
| | 1440 | 3 | GW2 | 6.4 | 2 | X | X | FDD & PDR |
| | 1505 | 3 | GW3 | 6.4 | 2 | X | X | CEC |

Relinquished By: *M. Reymann* Signature
 Print Name: Mike Reymann
 Date: 10/12/10
 Time: 1545

Received By: _____
 Relinquished By: _____

Received By: _____
 Relinquished By: _____

Received By: *Adam Ferguson 8487 9018 5859*
 Relinquished By: _____

Received By: *Thomas Cole*
 Relinquished By: _____

Custody Seal Intact
 Yes _____ No _____ None _____
 Sample Temperature _____ Degrees C _____
 SEM COC Form Revised 02/01

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