



**First**  
*Quarter Well Monitoring*

**Tronox LLC.**  
*Henderson, Nevada*

Jan. 29 thru Feb 2, 2007



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### Field Data Letter Report

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## Letter of Transmittal

Attention: Susan Crowley  
Environmental Specialist  
Tronox LLC.  
8000 W. Lake Mead Drive  
Henderson, NV 89015

Date: February 9, 2007

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Project:

2007 1<sup>st</sup> Quarter Groundwater Monitoring

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Enclosed:

1 copy of Field Data Letter Report

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Remarks:

Susan,  
The enclosed Quarterly Groundwater Monitoring Report with supporting documents is provided for your records.

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Signature:

A handwritten signature in black ink that reads "J. Lambeth".

Jeff Lambeth, PM  
VeoliaWaterNA

## Field Data Letter Report

### 5 INTRODUCTION

Tronox LLC. contracts with Veolia Water North America West LLC., (VWNA) to conduct groundwater sampling and analysis at their Chemical facility, located at 8000 West lake Mead Gate 1, in Henderson, Nevada. The work described herein represents the first quarter groundwater sampling event for 2007. The work was conducted in accordance with the Sampling and Analysis Work plan, submitted to Tronox January 9, 2004.

VWNA has four staff members trained to assist the quarterly well monitoring events. VWNA monitoring team meets twice prior to the sampling event to discuss all issues associated with this project and to review the status of action items noted in the first meeting. Sampling and laboratory equipment needs, time tables and well site schedules are reviewed. Samples and coolers are checked to ensure that there are no missing bottles. New bottle orders were used which reflected changes associated with well monitoring activities.

#### 1.1 SCOPE OF SAMPLING EVENT

This sampling effort included the following tasks:

- Soundings of the pumping water levels in 23 interceptor wells.
- Collection of groundwater samples from 21 interceptor wells.
- Soundings of water levels in 74 monitoring wells.
- Collection of groundwater samples from 70 monitoring wells.

Analysis of samples collected from the interceptor and monitoring wells, range from Perchlorate (CLO<sub>4</sub>), Total Chromium (Cr), Hexavalent Chromium (Cr+6), pH, Specific Conductance (EC), Total Dissolved Solids (TDS) and NPDES list for well M-10, (Up Well). (CR-MS, MN-MS, CU-MS, MO-MS, FE, B, CL, F, TDS, NO<sub>3</sub>, NO<sub>2</sub>-N, N-INOR, NH<sub>3</sub>, NH<sub>3</sub>-DIST)

Groundwater samples were shipped daily to Montgomery Watson (MW) for analysis, in Monrovia, California. MW is certified by the State of Nevada.

The scope of this assignment also included compiling the water level and analytical data presented in this report. Data are presented in tabular form.

## 6 FIELD ACTIVITIES

VWNA conducted the field activities associated with this quarterly sampling event between Monday January 29<sup>th</sup> and Friday, February 2<sup>nd</sup>, 2007. Activities included the sounding of “pumping water” levels in the interceptor wells, sounding the “static water” level in the monitoring wells and sampling of both the interceptor and monitoring wells. Prior to each quarter, an inventory list is issued to Tronox LLC. for review and comment. Sampling was conducted according to their specifications.

VWNA Project Manager Jeff Lambeth oversees the technical work conducted by project personnel and the quality assurance efforts. Wendy Prescott and Jason Chambers were responsible for sample collection and recording all pertinent data on sample bottles. Michele Brown supervised the groundwater sampling activities. She is responsible for executing all work elements related to the groundwater sampling program, including laboratory equipment maintenances and calibration, fieldwork, documenting field activities, maintaining field notes and photographs (when applicable), maintaining a record of onsite personnel and visitors, and providing the Operations Manager with information concerning implementation of the sampling plan.

VWNA maintained records of daily events and pertinent sampling data of each well on a field log sheet and addendum data in a bound log book. Log sheet entries included personnel onsite, weather conditions, water levels, activities conducted, sampling times, pH, EC, temperature and other significant field information.

### 2.1 Groundwater Level Soundings

VWNA sounded pumping water levels in 23 interceptor wells. Interceptor wells “G” and “T” pumps were out of service, however; sounding was conducted at this location. The Total Well

Depth in "I-K" was found to be 40.60, which was considerably deeper than the 31.70 originally recorded on the Inventory List. In addition to the interceptor wells, static water levels of 74 monitoring wells were taken. There were 2 monitoring wells considered "DRY", M-32 and M-18. There were three (2) wells where only static water levels were required. The following are the 2 wells:

|  |      |       |  |
|--|------|-------|--|
|  | M-80 | M-81A |  |
|  |      |       |  |

Four (7) wells had the bailers removed in order to sound and record DTW readings.

|      |       |       |      |
|------|-------|-------|------|
| M-98 | M-96  | M-19  | M-18 |
| M-99 | M-102 | M-101 |      |

The water levels were sounded to the nearest 0.01 foot using an electronic well sounder.

### 2.2 Equipment Cleaning Procedures

During the sounding of water levels, the equipment was washed with de-ionized water before use at each well. We changed our procedure beginning this event, rinsing the equipment with 3 to 4 gallons deionized water using a dedicated DI water bucket after every well sampling. The rinse water was collected in a polyethylene container and transported to GW-11 for treatment.

## 3.0 GROUNDWATER SAMPLING

### 3.1 Sampling Locations

The following presents the identification of wells sampled.

#### 3.1.1 Interceptor Wells

|      |     |     |     |     |     |     |     |     |     |     |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| I-AR | I-B | I-C | I-D | I-E | I-F | I-H | I-I | I-J | I-K | I-L |
| I-M  | I-N | I-O | I-P | I-Q | I-R | I-S |     | I-U | I-V | I-Z |

#### 3.1.2 Monitoring Wells

|       |      |      |       |      |       |       |      |      |      |
|-------|------|------|-------|------|-------|-------|------|------|------|
|       | M-10 | M-11 | M-12A | M-67 | M-14A | M-17A | M-18 | M-19 |      |
| M-22A | M-23 | M-25 | M-31A |      | M-34  | M-35  | M-36 | M-37 | M-38 |
| M-39  | M-44 | M-48 | M-50  | M-52 | M-57A | M-61  | M-64 | M-65 | M-66 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| M-95   | M-96   | M-97   | M-98   | M-99   | M-100  | M-101  | M-102  | M-115  | PC-123 |
| PC-124 | PC-125 | PC-126 | PC-127 | PC-128 | PC-129 | PC-130 | PC-131 | PC-132 | PC-37  |
| PC-54  | PC-71  | PC-72  | PC-73  |        |        |        |        |        |        |

## 4.0 SAMPLING TECHNIQUES

### 4.1 Interceptor Wells

The interceptor wells were sampled using dedicated sampling ports. At the beginning of sampling each well or line, personnel wore a new pair of clean nitrile or latex gloves.

The sampling port was opened to drain any stagnant water from piping and valves. This water is captured and containerized. All captured water is off-loaded at GW-11 for onsite treatment.

Following the purging of the sample port, a "water quality" sample was collected for analysis of Perchlorate, Total Chromium, pH, and conductivity. VWNA also recorded the "field" temperature, pH, and conductivity as well as the pumping water level. The "field" parameters are provided in Table 1.

### 4.2 Monitoring Wells

Monitoring wells were purged before sampling to assure that each sample was collected from fresh formation water.

Sixty-six (66) wells were purged and sampled, using the 12 volt submersible pump. Two wells were purged with the "Ready Flo 2" with variable pump flow control. Two (2) wells, M-36 and M-38 were purged with a non dedicated bailer that was flushed with de-ionized water prior to each sampling. Hand bailing was done as a result of only needing to purge less than 3 gallons of water, if there was an insufficient amount of water in the well casing to use a pump or due to the location of the well.

Samples for both the interceptor and monitoring wells were collected in appropriate containers supplied by MWH Laboratories and analyzed for the specific required analysis of the well. The bottles were filled with minimal aeration, using laminar flow.

The samples were labeled, packaged, stored, and transported using the procedures outlined in the work plan for well samples. Clear tape may have been used on some bottles to maintain the



information integrity of the labels. Where leaking acid removed the pre labeled information, it was hand restored.

#### 5.1 Problems Encountered

The cast lid on PC-123 was found missing but has been replaced with a steel lid manufactured within the VVNA facility.

#### 4.4 Equipment Cleaning Procedures

In addition to using much more water to flush and decontaminate the deionized is changed each morning so the rinsing water is fresh. Non-dedicated sampling equipment was cleaned and decontaminated before use at each new sampling location. Conductivity meter probes, pH electrodes, were thoroughly rinsed with de-ionized water after each well was sampled. The rinsate is captured in a special use bucket for decontamination.

### 5.0 QUALITY CONTROL

Quality control (QC) procedures implemented for this sampling event included collection and analysis of QC duplicate samples, equipment and field blanks. The analytical laboratory is also required to meet specific QA/QC requirements for surrogate recovery, MS/MSD recovery and RPDs, and LCS recoveries. Duplicate SC readings were conducted at one well each day to insure the accuracy of the Hanna field probe.

#### 5.1 QC Duplicate Samples

QC duplicate samples were collected during the sampling event to evaluate the precision and accuracy of analytical data. The QC duplicates were collected, packaged, and transported in the same manner as the primary sample, but assigned a different identification number. Duplicate "field" EC monitoring was conducted each day on the last well visited for that day.

Four (4) duplicates were collected from the wells, representing at least 5 percent of the samples collected. The duplicate samples were collected from wells PC-129, M-84, and M-25, and M-10.

## 5.2 Equipment Blanks

Two equipment blanks were taken this quarter. The equipment blanks were collected on, January 30<sup>th</sup>, and 31<sup>st</sup>. One set of three bottles for each day for a total of 6 bottles. This was done to evaluate the adequacy of cleaning procedures used by field personnel during this sampling event.

## 5.3 Field Blanks

One field blank sample (FB-1) was collected on January 29, 2007. One set of three bottles was sent to the laboratory for analysis to evaluate the integrity of the de-ionized water used to clean and purge the sampling equipment.

## 6.0 ANALYTICAL PROCEDURES

The following designates the parameter, analytical method and method reporting limits for groundwater. Some of the following analysis may not have been performed for this reporting period. VWNA lists all appropriate information to include analysis conducted throughout the entire year:

| <u>PARAMETER</u>           | <u>ANALYTICAL METHOD</u> | <u>MRL</u>  |
|----------------------------|--------------------------|-------------|
| CLO4                       | EPA Method 314           | 4.0 µg/L    |
| Total Chromium             | EPA Method 200.7         | 0.01 mg/L   |
| Hexavalent Chromium (Cr+6) | EPA Method 4500 CR-D     | 0.005 mg/L, |
| pH                         | EPA Method 150           | .01 units   |
| EC                         | EPA Method 2510          | 2 µohms/cm  |
| TDS                        | EPA Method 2540C.        | 10 mg/L     |

MWH Laboratory QC analytical method and method reporting limits information, was taken from the MWH Laboratory Data Report.

| <u>PARAMETER</u>    | <u>ANALYTICAL METHOD</u> | <u>MRL</u> |
|---------------------|--------------------------|------------|
| Chloride            | EPA Method 300           | 80.0 mg/L  |
| Iron (ICAP)         | EPA Method 200.7         | 0.005 mg/L |
| Manganese (ICAP/MS) | EPA Method 200.8         | 100 µg/L   |
| Sodium (ICAP)       | EPA Method 200.7         | 5 mg/L     |

|                            |                               |            |
|----------------------------|-------------------------------|------------|
| Phenolic Compounds         | EPA Method 420.1, 420.2       | .010 mg/L  |
| Sulfate                    | EPA Method 300                | 80 mg/L    |
| Total Organic Carbon, TOC  | EPA Method (ML/SM 5310C)      | unknown    |
| Total Organic Halogen, TOX | EPA Method (ML/9020 / SM5320) | unknown    |
| Boron                      | EPA 200.7                     | .10 mg/L   |
| Fluoride                   | SM4500F-C                     | .050 mg/L  |
| Molybdenum                 | EPA 200.8                     | 2.0 ug/L   |
| Total Organic Nitrogen     | EPA Method 300                | 0.200 mg/L |
| Ammonia Nitrogen           | EPA Method 350                | 0.050 mg/L |
| Nitrate Nitrogen           | EPA Method 300                | 2.0 mg/L   |
| Copper                     | EPA Method 200.8              | 2.0 ug/L   |

Laboratory QA/QC procedures employed by MW are being provided directly to KMG.

#### 6.1 Field Equipment Calibration

Prior to the start of each day's events, field laboratory equipment was calibrated. A Hanna HI 98130 water proof pH, EC/TDS and temperature field probe was calibrated and measurements recorded on daily laboratory calibration maintenance forms, which have been provided.

### 7.0 SUMMARY RESULTS

#### 7.1 Groundwater Level Soundings

A summary of water level soundings collected for the interceptor and monitoring wells are presented in Table 1. A low number indicates a tall water column and a high number indicates a shallow water column.

Pumping water level in interceptors wells. (Measured in feet from below the top of casing.)

**LOW**

44.06 (I-S)

**HIGH**

23.40 (I-1)

Static water level monitoring wells. (Measured in feet from below the top of casing.)

**LOW**

49.64 (M-10)

**HIGH**

9.91 (PC-132)

**7.2 Summary of Field Activities**

**7.2.1 Interceptor Wells**

CLO4, Cr, pH and SC

21 interceptor wells

The analytical results for these wells are being provided to Tronox directly from MW.

**7.2.2 Monitoring Wells**

CLO4, Cr, Cr+6, pH, and TDS

8 monitoring wells

CLO4, Cr, pH and TDS

62 monitoring wells

The analytical results for these wells are being provided to Tronox directly from MW.

**7.2.3 QC Duplicate Samples** (Measured for the same analyses as the primary samples.)

M-10 and M-84 (Measured for CLO4, Total Cr., Hex Cr., pH and TDS)

M-25 and PC-129 (Measured for Total Cr., pH, CLO4 and TDS)

**7.2.4 Equipment Blanks**

Three equipment blanks were analyzed for CLO4, Total Cr., Hex Cr., pH, and TDS.

**7.2.5 Field Blank**

One field blank was analyzed for CLO4, Total Cr., Hex Cr., pH and TDS.

Weather

Cool, Sunny

Total # of wells sampled

91

Total water samples collected

98

Total Wells measured DTW only

4

|                              |   |
|------------------------------|---|
| Total Duplicate Samples (5%) | 4 |
| Total Equipment Blanks       | 2 |
| Total Field Blanks           | 1 |
| Total Wells hand bailed      | 2 |
| Total Wells considered DRY   | 2 |
| Total Wells not found        | 0 |
| Total Wells out of service   | 2 |



## *Table of Well Gauging Data*

### **This Section Contains:**

- Field Sign - In Log
- Daily Maintenance & Calibration Log
- Table 1 Well Inventory
- Chain-of-Custody & Bottle Order Forms





DAILY MAINTENANCE AND CALIBRATION RECORD  
DATE 1-29-07

HANNA FIELD PH METER

|  |         |         |                                |
|--|---------|---------|--------------------------------|
| Known value  | 1) 7.0  | 1) 8.0  | Time/analyst<br><u>4:40/WA</u> |
| Calibration Value  | 2) 7.01 | 2) 7.99 |                                |
| Buffer Temperature   | 3) 19.0 | 3) 19.7 |                                |
| changed buffers<br>yes <input checked="" type="checkbox"/><br>please check |         |         |                                |

HANNA FIELD EC METER

|  |         |                                |
|--|---------|--------------------------------|
| Known Value  | 1) 1288 | Time/analyst<br><u>4:30/WA</u> |
| Temp. Comp. Value  | 1) 1160 |                                |
| Calibration Value  | 1) 1275 |                                |
| Standard Temp  | 1) 19.9 |                                |
| changed standards<br>yes <input checked="" type="checkbox"/><br>please check |         |                                |

Duplicate EC reading Well # PC-72

1st Reading

2nd Reading

EC 8.43 mS/cm TEMP 23.6°C

EC 8.38 mS/cm TEMP 23.2°C

All equipment was rinsed and purged with Deionized water after each well.

Date 1-29-07 Verified MJD









DAILY MAINTENANCE AND CALIBRATION RECORD  
DATE 2-1-07

HANNA FIELD PH METER

|  |         |         |                          |
|--|---------|---------|--------------------------|
| Known value  | 1) 7.0  | 1) 8.0  | Time/analyst<br>5:00/wsp |
| Calibration Value  | 2) 7.02 | 2) 7.98 |                          |
| Buffer Temperature   | 3) 18.4 | 3) 18.9 |                          |
| changed buffers<br>yes <input checked="" type="checkbox"/> |         |         |                          |
| please check   |         |         |                          |

HANNA FIELD EC METER

|  |  |                          |  |
|--|--|--------------------------|--|
| Known Value  | 1) 1288  | Time/analyst<br>5:05/wsp |  |
| Temp. Comp. Value  | 1) <del>7.02</del> <sup>wsp</sup> 12.89 <sub>3</sub> |                          |  |
| Calibration Value  | 1) 1113  |                          |  |
| Standard Temp  | 1) 19.3  |                          |  |
| changed standards<br>yes <input checked="" type="checkbox"/> |  |                          |  |
| please check   |  |                          |  |

Duplicate EC reading Well # M-100

1st Reading

EC 2.19 <sup>ms/cm</sup> TEMP 18.9°C

2nd Reading

EC 2.16 <sup>ms/cm</sup> TEMP 19.1°C

All equipment was rinsed and purged with Deionized water after each well.

Date 2-1-07 Verified M Brown



Table 1  
**KERR-McGEE CHEMICAL CORPORATION**  
**WELL INVENTORY FOR GROUNDWATER SAMPLING**  
**HENDERSON, NEVADA**

Summary of Field Data for: First Quarter Groundwater Monitoring, February 2007

| WELL # | TOTAL DEPTH | TOP OF CASING | DEPTH TO WATER  | GROUNDWATER | pH        | SPECIFIC CONDUCTIVITY | DATE / TIME   | COMMENTS / Analytical Plan                          |
|--------|-------------|---------------|---|-------------|-----------|-----------------------|---------------|---|
| M-2A   | 40.69       | 1781.16       | Only Sampled in the 2nd Quarter (Annual) Sampling event |             |           |                       |               | pH, TDS, Cr, ClO <sub>2</sub>                       |
| M-5A   | 50.00       | 1751.80       | Only sampled on 2nd & 3rd Quarters                      |             |           |                       |               | (pH / SC / TOC / TOX) x 4 / TDS                     |
| M-6A   | 46.00       | 1733.20       | Only sampled on 2nd & 3rd Quarters                      |             |           |                       |               | (pH / SC / TOC / TOX) x 4 / TDS                     |
| M-7B   | 55.00       | 1732.83       | Only sampled on 2nd & 3rd Quarters                      |             |           |                       |               | (pH / SC / TOC / TOX) x 4 / TDS                     |
| M-10   | 69.45       | 1836.21       | 49.64   | 1786.57     | 7.09      | 3.99mS/cm             | 1-31-07/5:49  | pH / Cr / Cr <sup>6+</sup> / ClO <sub>2</sub> / TDS |
| M-11   | 58.00       | 1815.54       | 43.42   | 1772.12     | 7.79      | 4.25mS/cm             | 1-31-07/8:14  | pH / Cr / Cr <sup>6+</sup> / ClO <sub>2</sub> / TDS |
| M-12A  | 50.00       | 1812.76       | 41.43   | 1771.33     | 7.81      | 8.99mS/cm             | 2-1-07/11:14  | pH / Cr / Cr <sup>6+</sup> / ClO <sub>2</sub> / TDS |
| M-13   | 54.78       | 1814.89       | Only Sampled in the 2nd Quarter                         |             |           |                       |               | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-14A  | 42.40       |               | 32.56   |             | 7.44      | 4.45mS/cm             | 2-2-07/7:56   | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-15   | 42.55       | 1750.97       | Not Sampled for the quarterly monitoring program        |             |           |                       |               | Not sampled   |
| M-17A  | 37.00       | 1768.99       | 32.91   | 1736.08     | 6.99      | 14.16mS/cm            | 2-2-07/6:34   | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-18   | 29.80       | 1740.48       | 28.41   | 1712.07     | No Sample |                       | 2-1-07/6:41   | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-19   | 41.20       | 1766.77       | 33.54   | 1733.23     | 7.36      | 5.48mS/cm             | 1-31-07/10:16 | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-21   | 44.74       | 1792.07       | Only Sampled in the 2nd Quarter                         |             |           |                       |               | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-22A  | 36.92       | 1759.46       | 30.07   | 1729.39     | 7.08      | 15.54mS/cm            | 2-1-07/10:02  | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-23   | 44.47       | 1720.35       | 25.04   | 1695.31     | 7.29      | 5.35mS/cm             | 1-29-07/12:15 | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-25   | 41.47       | 1759.93       | 32.56   | 1727.37     | 6.97      | 10.61mS/cm            | 1-30-07/9:53  | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-27   | 26.00       | 1742.25       | Well was abandoned by KMCC in June 2003                 |             |           |                       |               | Not sampled   |
| M-29   | 41.74       |               | Only Sampled in the 2nd Quarter                         |             |           |                       |               | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-31A  | 55.00       | 1796.87       | 46.34   | 1750.53     | 7.14      | 9.92mS/cm             | 1-31-07/8:59  | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-32   | 46.76       | 1799.85       |   | 1799.85     | No Sample |                       | 1-31-07/9:16  | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-33   | 46.78       | 1800.29       | Only Sampled in the 2nd Quarter                         |             |           |                       |               | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-34   | 41.83       | 1777.10       | 37.54   | 1739.56     | 7.08      | 11.63mS/cm            | 1-31-07/9:53  | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-35   | 42.33       | 1775.94       | 35.47   | 1740.47     | 7.03      | 9.41mS/cm             | 1-31-07/10:03 | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-36   | 37.85       | 1759.82       | 31.95   | 1727.87     | 7.16      | 16.37mS/cm            | 2-1-07/11:26  | pH / TDS / Cr / Cr <sup>6+</sup> / ClO <sub>2</sub> |
| M-37   | 37.18       | 1761.06       | 31.34   | 1729.72     | 7.02      | 8.87mS/cm             | 1-30-07/10:08 | pH / TDS / Cr / Cr <sup>6+</sup> / ClO <sub>2</sub> |
| M-38   | 36.82       | 1759.73       | 31.03   | 1728.70     | 7.15      | 14.46mS/cm            | 2-1-07/10:22  | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-39   | 42.60       | 1761.13       | 31.28   | 1729.85     | 7.08      | 7.46mS/cm             | 1-31-07/10:32 | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-44   | 37.65       | 1698.31       | 18.53   | 1679.78     | 7.31      | 9.01mS/cm             | 1-29-07/12:20 | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-48   | 38.59       | 1720.78       | 23.94   | 1696.84     | 7.45      | 3.40mS/cm             | 1-29-07/10:39 | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-50   | 62.15       | 1795.64       | 46.67   | 1748.97     | 7.17      | 13.78mS/cm            | 1-31-07/9:36  | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-52   | 47.38       | 1801.92       | 40.91   | 1761.01     | 7.28      | 8.36mS/cm             | 1-31-07/9:20  | pH / TDS / Cr / ClO <sub>2</sub>                    |
| M-55   | 45.00       | 1750.88       | Not sampled as part of quarterly monitoring program     |             |           |                       |               | Not sampled   |
| M-56   | 40.00       | 1750.83       | Not sampled as part of quarterly monitoring program     |             |           |                       |               | Not sampled   |

**Table 1**  
**KERR-McGEE CHEMICAL CORPORATION**  
**WELL INVENTORY FOR GROUNDWATER SAMPLING**  
**HENDERSON, NEVADA**

Summary of Field Data for: First Quarter Groundwater Monitoring, February 2007

| WELL # | TOTAL DEPTH | TOP OF CASING | DEPTH TO WATER | GROUNDWATER   | pH        | SPECIFIC CONDUCTIVITY | DATE / TIME   | COMMENTS/Analytical Plan               |
|--------|-------------|---------------|----------------|---|-----------|-----------------------|---------------|--|
| M-57A  | 42.40       |               | 20.54          |   | 7.50      | 4.31mS/cm             | 1-30-07/8:28  | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-58   | 45.00       | 1751.25       |                | Not sampled as part of quarterly monitoring program |           |                       |               | Not sampled                            |
| M-60   | 43.00       | 1750.94       |                | Not sampled as part of quarterly monitoring program |           |                       |               | Not sampled                            |
| M-61   | 41.00       | 1746.83       | 24.00          | 1722.83   | 7.28      | 6.01mS/cm             | 1-31-07/11:03 | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-64   | 38.00       | 1749.76       | 27.68          | 1722.08   | 7.27      | 10.21mS/cm            | 1-30-07/7:11  | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-65   | 40.00       | 1753.00       | 20.64          | 1724.28   | 6.88      | 16.27mS/cm            | 1-30-07/7:52  | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-66   | 43.00       | 1754.24       | 30.61          | 1723.03   | 6.66      | 10.84mS/cm            | 1-30-07/8:08  | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-67   | 38.00       | 1745.01       | 21.43          | 1724.48   | 7.08      | 7.07mS/cm             | 1-31-07/11:31 | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-68   | 41.00       | 1748.72       | 23.73          | 1724.99   | 7.19      | 6.93mS/cm             | 1-31-07/10:48 | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-69   | 40.00       | 1749.75       | 31.00          | 1718.75   | 7.08      | 5.92mS/cm             | 1-30-07/9:10  | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-70   | 41.00       | 1748.24       | 28.57          | 1719.67   | 7.10      | 8.89mS/cm             | 2-1-07/8:08   | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-71   | 43.00       | 1747.04       | 28.42          | 1718.62   | 7.10      | 8.17mS/cm             | 2-1-07/8:20   | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-72   | 36.00       | 1748.49       | 31.50          | 1714.99   | 7.29      | 9.63mS/cm             | 2-1-07/9:36   | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-73   | 36.00       | 1741.14       | 28.02          | 1712.52   | 7.52      | 4.55mS/cm             | 2-1-07/8:09   | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-74   | 39.00       | 1744.37       | 27.16          | 1717.21   | 7.26      | 7.64mS/cm             | 2-1-07/5:47   | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-75   | 53.90       | 1784.21       | 42.25          | 1741.88   | 7.47      | 6.52mS/cm             | 2-2-07/7:13   | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-76   | 54.60       | 1785.21       | 38.80          | 1746.41   | 7.62      | 5.55mS/cm             | 2-2-07/6:47   | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-77   | 47.80       | 1800.17       |                | Only sampled during 2nd Quarter.                    |           |                       |               | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-78   | 43.60       | 1751.50       |                | Not sampled as part of quarterly monitoring program |           |                       |               | Not sampled                            |
| M-79   | 37.60       | 1742.53       | 26.75          | 1715.78   | 7.55      | 1.55mS/cm             | 1-30-07/8:29  | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-80   | 43.70       | 1748.04       | 27.31          | 1718.73   | No Sample |                       | 2-1-07/8:35   | W.L. only                              |
| M-81A  | 41.60       | 1744.16       | 28.71          | 1715.45   | No Sample |                       | 2-1-07/8:09   | W.L. only                              |
| M-83   | 42.50       | 1742.36       | 24.18          | 1718.18   | 7.57      | 1.75mS/cm             | 2-1-07/8:43   | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-84   | 36.60       | 1741.03       | 23.40          | 1717.63   | 7.60      | 1.36mS/cm             | 2-1-07/11:50  | pH / TDS / Cr / Cr6 / ClO <sub>4</sub> |
| M-85   | 38.87       | 1741.19       | 25.78          | 1715.41   | 7.73      | 1.28mS/cm             | 2-1-07/8:17   | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-86   | 43.00       | 1744.23       | 30.00          | 1714.23   | 7.35      | 4.27mS/cm             | 2-1-07/8:06   | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-87   | 41.00       | 1744.12       | 34.64          | 1709.48   | 7.57      | 2.38mS/cm             | 2-1-07/7:07   | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-88   | 39.00       | 1739.35       | 30.63          | 1708.72   | 7.33      | 8.59mS/cm             | 2-1-07/6:45   | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-89   | 39.00       | 1768.19       | 33.23          | 1732.86   | 7.03      | 13.88mS/cm            | 2-1-07/10:48  | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-92   | 48.50       | 1800.76       | 37.13          | 1763.03   | 7.55      | 2.45mS/cm             | 1-31-07/5:45  | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-93   | 48.00       | 1797.54       | 36.24          | 1761.30   | 7.52      | 3.72mS/cm             | 1-31-07/6:23  | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-94   | 21.60       | 1895.07       | 11.64          | 1683.43   | 7.29      | 8.54mS/cm             | 1-29-07/12:40 | pH / TDS / Cr / Cr6 / ClO <sub>4</sub> |
| M-95   | 30.00       | 1894.09       | 10.03          | 1684.06   | 7.38      | 8.55mS/cm             | 1-29-07/8:31  | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-96   | 16.90       | 1693.52       | 10.25          | 1683.27   | 7.38      | 8.03mS/cm             | 1-29-07/9:19  | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-97   | 52.50       | 1800.86       | 40.36          | 1760.40   | 7.31      | 4.98mS/cm             | 1-31-07/6:02  | pH / TDS / Cr / ClO <sub>4</sub>       |

**Table 1**  
**KERR-McGEE CHEMICAL CORPORATION**  
**WELL INVENTORY FOR GROUNDWATER SAMPLING**  
**HENDERSON, NEVADA**

Summary of Field Data for: First Quarter Groundwater Monitoring, February 2007

| WELL #                   | TOTAL DEPTH | TOP OF CASING | DEPTH TO WATER | GROUNDWATER | pH                  | SPECIFIC CONDUCTIVITY | DATE / TIME   | COMMENTS/Analytical Plan               |
|--------------------------|-------------|---------------|----------------|-------------|---------------------|-----------------------|---------------|--|
| M-98                     | 33.40       | 1731.90       | 29.93          | 1701.97     | 7.38                | 5.61mS/cm             | 1-30-07/8:39  | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-99                     | 36.50       | 1730.74       | 28.07          | 1702.67     | 7.14                | 7.39mS/cm             | 1-30-07/8:53  | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-100                    | 32.80       | 1730.93       | 26.21          | 1704.72     | 7.64                | 2.19mS/cm             | 2-1-07/12:07  | pH / TDS / Cr / Cr6 / ClO <sub>4</sub> |
| M-101                    | 31.20       | 1730.81       | 28.55          | 1702.26     | 7.79                | 4.56mS/cm             | 2-1-07/7:32   | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-102                    | 43.50       | 1740.24       | 37.76          | 1702.48     | 7.75                | 2.36mS/cm             | 2-1-07/7:20   | pH / TDS / Cr / ClO <sub>4</sub>       |
| M-115                    | 47.50       |               | 37.20          |             | 7.53                | 3.24mS/cm             | 2-2-07/7:44   | pH / TDS / Cr / ClO <sub>4</sub>       |
| PC-123                   | 34.70       | 1626.70       | 22.93          | 1603.77     | 7.12                | 8.94mS/cm             | 1-29-07/6:40  | pH / TDS / Cr / ClO <sub>4</sub>       |
| PC-124                   | 34.60       | 1636.30       | 24.47          | 1611.83     | 7.18                | 6.91mS/cm             | 1-29-07/7:05  | pH / TDS / Cr / ClO <sub>4</sub>       |
| PC-125                   | 33.50       | 1635.41       | 23.31          | 1612.10     | 7.16                | 7.55mS/cm             | 1-29-07/7:16  | pH / TDS / Cr / ClO <sub>4</sub>       |
| PC-126                   | 34.30       | 1634.67       | 22.32          | 1612.35     | 6.77                | 13.50mS/cm            | 1-29-07/7:30  | pH / TDS / Cr / ClO <sub>4</sub>       |
| PC-127                   | 34.70       | 1632.92       | 18.93          | 1613.99     | 7.29                | 8.15mS/cm             | 1-29-07/7:44  | pH / TDS / Cr / ClO <sub>4</sub>       |
| PC-128                   | 34.70       | 1633.62       | 18.54          | 1615.08     | 7.39                | 6.15mS/cm             | 1-29-07/7:55  | pH / TDS / Cr / ClO <sub>4</sub>       |
| PC-129                   | 37.70       | 1634.35       | 18.53          | 1615.82     | 7.06                | 7.22mS/cm             | 1-29-07/8:08  | pH / TDS / Cr / ClO <sub>4</sub>       |
| PC-130                   | 49.70       | 1633.50       | 19.10          | 1614.40     | 7.18                | 7.56mS/cm             | 1-29-07/8:23  | pH / TDS / Cr / ClO <sub>4</sub>       |
| PC-131                   | 39.40       | 1634.29       | 11.34          | 1622.95     | 7.07                | 12.75mS/cm            | 1-29-07/8:37  | pH / TDS / Cr / ClO <sub>4</sub>       |
| PC-132                   | 39.70       | 1634.84       | 9.91           | 1624.93     | 7.09                | 12.75mS/cm            | 1-29-07/8:51  | pH / TDS / Cr / ClO <sub>4</sub>       |
| <b>Interceptor Wells</b> |             |               |                |             |                     |                       |               |  |
| I-AR                     | 45.00       | 1758.35       | 28.74          | 1729.61     | 7.21                | 9.49mS/cm             | 1-30-07/6:32  | pH / TDS / Cr / ClO <sub>4</sub>       |
| I-B                      | 45.70       | 1752.66       | 34.71          | 1717.95     | 7.21                | 7.05mS/cm             | 1-30-07/6:25  | pH / TDS / Cr / ClO <sub>4</sub>       |
| I-C                      | 43.80       | 1752.77       | 43.09          | 1709.68     | 7.32                | 10.27mS/cm            | 1-30-07/6:14  | pH / TDS / Cr / ClO <sub>4</sub>       |
| I-D                      | 47.70       | 1752.66       | 29.45          | 1723.21     | 7.39                | 10.66mS/cm            | 1-30-07/6:09  | pH / TDS / Cr / ClO <sub>4</sub>       |
| I-E                      | 46.70       | 1752.36       | 44.02          | 1708.34     | 7.00                | 11.80mS/cm            | 1-30-07/6:01  | pH / TDS / Cr / ClO <sub>4</sub>       |
| I-F                      | 45.80       | 1749.70       | 26.45          | 1723.25     | 6.98                | 15.49mS/cm            | 1-30-07/5:52  | pH / TDS / Cr / ClO <sub>4</sub>       |
| I-G                      | 42.60       | 1752.50       | 29.05          | 1723.45     | No Sample, Well O/S |                       | 1/30/07       | pH / TDS / Cr / ClO <sub>4</sub>       |
| I-H                      | 46.50       | 1753.21       | 38.52          | 1714.69     | 6.55                | 16.50mS/cm            | 1-30-07/5:41  | pH / TDS / Cr / ClO <sub>4</sub>       |
| I-I                      | 44.20       | 1745.50       | 23.40          | 1722.10     | 7.17                | 12.69mS/cm            | 1-31-07/11:36 | pH / TDS / Cr / ClO <sub>4</sub>       |
| I-J                      | 44.50       | 1750.07       | 42.08          | 1707.99     | 7.33                | 6.83mS/cm             | 1-31-07/11:15 | pH / TDS / Cr / ClO <sub>4</sub>       |
| I-K                      | 40.60       | 1750.07       | 35.44          | 1714.63     | 7.33                | 6.68mS/cm             | 1-31-07/11:05 | pH / TDS / Cr / ClO <sub>4</sub>       |
| I-L                      | 43.40       | 1751.69       | 36.01          | 1715.68     | 6.93                | 9.13mS/cm             | 1-30-07/6:19  | pH / TDS / Cr / ClO <sub>4</sub>       |
| I-M                      | 43.70       | 1752.89       | 31.01          | 1721.88     | 7.19                | 11.55mS/cm            | 1-30-07/6:06  | pH / TDS / Cr / ClO <sub>4</sub>       |
| I-N                      | 41.70       | 1751.45       | 29.11          | 1722.34     | 6.86                | 13.08mS/cm            | 1-30-07/5:56  | pH / TDS / Cr / ClO <sub>4</sub>       |

Found that the TWD was 40.60 instead of the 31.70 that was originally on the Inventory List.

**Table 1**  
**WELL INVENTORY FOR GROUNDWATER SAMPLING**  
**HENDERSON, NEVADA**

Summary of Field Data for: First Quarter Groundwater Monitoring, February 2007

| WELL #                                    | TOTAL DEPTH          | TOP OF CASING | DEPTH TO WATER                     | GROUNDWATER | pH                  | SPECIFIC CONDUCTIVITY | DATE / TIME   | COMMENTS/Analytical Plan               |                           |
|---|----------------------|---------------|------------------------------------|-------------|---------------------|-----------------------|---------------|--|---------------------------|
| I-O                                       | 43.80                | 1752.79       | 30.74                              | 1722.05     | 6.89                | 15.56mS/cm            | 1-30-07/5:34  | pH / TDS / Cr / ClO <sub>4</sub>       |                           |
| I-P                                       | 47.80                | 1751.66       | 28.24                              | 1723.42     | 6.60                | 16.10mS/cm            | 1-30-07/5:39  | pH / TDS / Cr / ClO <sub>4</sub>       |                           |
| I-Q                                       | 43.80                | 1753.11       | 28.75                              | 1724.36     | 7.00                | 17.65mS/cm            | 1-30-07/5:49  | pH / TDS / Cr / ClO <sub>4</sub>       |                           |
| I-R                                       | 45.30                | 1751.35       | 34.85                              | 1716.50     | 7.00                | 9.60mS/cm             | 1-30-07/6:22  | pH / TDS / Cr / ClO <sub>4</sub>       |                           |
| I-S                                       | 47.70                | 1750.03       | 44.06                              | 1705.97     | 7.26                | 8.89mS/cm             | 1-30-07/6:17  | pH / TDS / Cr / ClO <sub>4</sub>       |                           |
| I-T                                       | 47.80                | 1751.65       | 28.79                              | 1722.86     | No Sample, Well Off |                       | 1/30/2007     | pH / TDS / Cr / ClO <sub>4</sub>       |                           |
| I-U                                       | 47.60                | 1752.16       | 37.12                              | 1715.04     | 6.76                | 17.30mS/cm            | 1-30-07/5:45  | pH / TDS / Cr / ClO <sub>4</sub>       |                           |
| I-V                                       | 47.70                | 1752.13       | 31.07                              | 1721.05     | 7.06                | 12.88mS/cm            | 1-31-07/11:51 | pH / TDS / Cr / ClO <sub>4</sub>       |                           |
| I-Z                                       | 37.00                | 1743.78       | 26.34                              | 1717.44     | 7.23                | 9.14mS/cm             | 1-31-07/11:24 | pH / TDS / Cr / ClO <sub>4</sub>       |                           |
| Other wells (offsite)                     |                      |               |                                    |             |                     |                       |               |  |                           |
| PC-37                                     | 43.08                | 1707.71       | 23.99                              | 1683.72     | 7.36                | 8.63mS/cm             | 1-29-07/11:47 | pH / TDS / Cr / ClO <sub>4</sub>       |                           |
| PC-54                                     | 34.60                | 1704.42       | 15.46                              | 1688.96     | 7.22                | 7.32mS/cm             | 1-29-07/10:22 | pH / TDS / Cr / ClO <sub>4</sub>       |                           |
| PC-71                                     | 33.23                | 1698.73       | 22.37                              | 1676.36     | 7.32                | 9.27mS/cm             | 1-29-07/11:09 | pH / TDS / Cr / ClO <sub>4</sub>       |                           |
| PC-72                                     | 39.54                | 1699.43       | 27.25                              | 1672.18     | 7.34                | 8.43mS/cm             | 1-29-07/11:23 | pH / TDS / Cr / ClO <sub>4</sub>       |                           |
| PC-73                                     | 49.44                | 1699.49       | 29.93                              | 1669.56     | 7.27                | 8.14mS/cm             | 1-29-07/11:34 | pH / TDS / Cr / ClO <sub>4</sub>       |                           |
| Pioneer Chemical Well                     |                      |               |                                    |             |                     |                       |               |  |                           |
| H-28A                                     | 51.00                | 1731.75       | Only sampled on 2nd & 3rd Quarters |             |                     |                       |               |  | (pH / SC / TOC / TOX) x 4 |
| Duplicate Samples:                        |                      |               |                                    |             |                     |                       |               |  |                           |
| MD-1                                      | = blind duplicate of |               | M-10                               |             | 7.09                | 3.99mS/cm             | 1-31-07/6:49  | pH / TDS / Cr / Cr6 / ClO <sub>4</sub> |                           |
| MD-2                                      | = blind duplicate of |               | M-84                               |             | 7.60                | 1.36mS/cm             | 2-1-07/11:59  | pH / TDS / Cr / Cr6 / ClO <sub>4</sub> |                           |
| MD-3                                      | = blind duplicate of |               | PC-129                             |             | 7.06                | 7.22mS/cm             | 1-29-07/8:17  | pH / TDS / Cr / ClO <sub>4</sub>       |                           |
| MD-4                                      | = blind duplicate of |               | M-25                               |             | 6.97                | 10.61mS/cm            | 1-30-07/10:00 | pH / TDS / Cr / ClO <sub>4</sub>       |                           |
| Other Samples Collected:                  |                      |               |                                    |             |                     |                       |               |  |                           |
| Equipment Blank Sample: EB-1 collected on |                      |               |                                    |             |                     |                       | 1-30-07/9:21  | pH / TDS / Cr / Cr6 / ClO <sub>4</sub> |                           |
| Equipment Blank Sample: EB-2 collected on |                      |               |                                    |             |                     |                       | 1-31-07/10:45 | pH / TDS / Cr / Cr6 / ClO <sub>4</sub> |                           |
| Field Blank Sample: FB-1                  |                      |               |                                    |             |                     |                       | 1-29-07/12:30 | pH / TDS / Cr / Cr6 / ClO <sub>4</sub> |                           |

**ACTUAL**

|                      |     |   |     |
|----------------------|-----|---|-----|
| Wells Sampled-       | 91  | Number of Wells to be Sampled:                    | 95  |
| Duplicate Samples    | 4   | Number of Duplicate Samples (5%):                 | 4   |
| Field Blank          | 1   | Number of Field Blanks (1 per Qtr):               | 1   |
| Equipment Blanks     | 2   | Number of Equipment Blanks (2 per Qtr):           | 2   |
| Dry Wells            | 2   | Total Number of Water Samples to be Collect:      | 102 |
| Wells Out of Service | 2   |   |     |
| Total                | 102 | Number of wells where water levels measured only: | 2   |
| DTW only             | 2   | Total Number of Wells to visit:                   | 97  |
| Wells visited        | 97  |   |     |





MONTGOMERY WATSON LABORATORIES

# CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016  
(626) 396-1100 (800) 566-5227

UNLASS USE ONLY

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: \_\_\_\_\_  
SAMPLE TEMP, RECEIPT AT LAB: \_\_\_\_\_

BLUE ICE: \_\_\_\_\_ FROZEN \_\_\_\_\_ PARTIALLY FROZEN \_\_\_\_\_ THAWED \_\_\_\_\_

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#  
Quantity / Container / Samples

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

KERNOGEE AP  
SAMPLER: Michele Brown  
Susan Crowley (702) 651-2234  
Tronox LLC - Henderson Plant  
PO Box 55  
Henderson, NV 89009

| TIME | DATE    | LOCATION | IDENTIFIER, STATE ID# | MATRIX * | GRAB | COMP | CR 6010 | pH 9040 | TDS | CLO4 | CRVI 7196 | NO3 9056 | CLO3 9056 | See Bottle Order | SAMPLER Comments |
|------|---------|----------|-----------------------|----------|------|------|---------|---------|-----|------|-----------|----------|-----------|------------------|------------------|
| 6:55 | 1-29-07 |          | PC-123                | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 7:11 | 1-29-07 |          | PC-124                | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 7:24 | 1-29-07 |          | PC-125                | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 7:32 | 1-29-07 |          | PC-126                | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 7:51 | 1-29-07 |          | PC-127                | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 8:02 | 1-29-07 |          | PC-128                | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 8:17 | 1-29-07 |          | PC-129                | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 8:33 | 1-29-07 |          | PC-130                | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 8:46 | 1-29-07 |          | PC-131                | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 9:01 | 1-29-07 |          | PC-132                | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 9:26 | 1-29-07 |          | M-96                  | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 9:38 | 1-29-07 |          | M-95                  | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |

\* MATRIX TYPES:

Reported by Volume:

CFW = Chloroformated Finished Water  
FW = Other Finished Water

RGW = Raw Ground Water  
RSW = Raw Surface Water

CWW = Chlorinated Waste Water  
WW = Other Waste Water  
SW = Storm Water

Reported by Weight:

SO = Soil  
SL = Sludge

SIGNATURE

Michele Brown

PRINT NAME

Michele Brown

COMPANY/TITLE

Vedlia Water MA for Tronox LLC - Henderson Plant

DATE

1-29-07

TIME

12:00PM

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:



MONTGOMERY WATSON LABORATORIES

# CHAIN OF CUSTODY RECORD

EMPL USE ONLY:

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016

(626) 366-1100

(800) 566-5227

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE:  FROZEN  PARTIALLY FROZEN  THAWED

TO BE COMPLETED BY SAMPLER:

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

COMPANY/PROJECT NAME: **KERRMIDGE-AP**  
 PROJECT JOB #/P.O.#: **Schedule 5**  
 Quality Groundwater Sampling

Sampler: **Michelle Brown**  
 Traction LLC - Henderson Plant  
 PO Box 55  
 Henderson, NV 89009

Susan Crowley (702) 691-2234

| TIME | DATE    | LOCATION | IDENTIFIER, STATE ID# | MATRIX |      |      | CR 6010 | PH 9040 | TDS | CLO4 | CRVI 7196 | NO3 9056 | CLO3 9056 | See Bottle Order | SAMPLER Comments |
|------|---------|----------|-----------------------|--------|------|------|---------|---------|-----|------|-----------|----------|-----------|------------------|------------------|
|      |         |          |                       | MATRIX | GRAB | COMP |         |         |     |      |           |          |           |                  |                  |
| 1031 | 1-29-07 |          | PC-54                 | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | 2 Bottles        |
| 1041 | 1-29-07 |          | M-48                  | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | 2 Bottles        |
| 1119 | 1-29-07 |          | PC-41                 | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | 2 Bottles        |
| 1130 | 1-29-07 |          | PC-42                 | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | 2 Bottles        |
| 1140 | 1-29-07 |          | PC-43                 | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | 2 Bottles        |
| 1215 | 1-29-07 |          | M-23                  | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | 2 Bottles        |
| 1156 | 1-29-07 |          | PC-37                 | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | 2 Bottles        |
| 1229 | 1-29-07 |          | M-44                  | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | 3 Bottles        |
| 1246 | 1-29-07 |          | M-94                  | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | 3 Bottles        |
| 1230 | 1-29-07 |          | FB-1                  | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | 3 Bottles        |
|      | 1-29-07 |          | MO-3                  | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | 2 Bottles        |

MATRIX TYPES:

Reported by Volume:

CFW = Chloraminated Finished Water  
 FW = Other Finished Water

RGW = Raw Ground Water  
 RSW = Raw Surface Water

CWW = Chlorinated Waste Water  
 WW = Other Waste Water  
 SW = Storm Water

Reported by Weight:

SO = Soil  
 SI = Sludge

REQUESTED BY: **Michelle Brown** SIGNATURE

RECEIVED BY: \_\_\_\_\_

RELINQUISHED BY: \_\_\_\_\_

RECEIVED BY: \_\_\_\_\_

PRINT NAME: **Michelle Brown**

COMPANY/TITLE: **Vedalia Water NA for Traction LLC - Henderson Plant**

DATE: **1-29-07**

TIME: **12:00PM**





MONTGOMERY WATSON LABORATORIES

# CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Menlo Park, CA 94025  
(626) 366-1100 (800) 566-9227

HWAS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE:  FROZEN  PARTIALLY FROZEN  THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # 1904  
Quantity Groundwater Sampling

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check box)

KERRIDGE/ALP

Schedule B

ANALYSES REQUIRED (mark an "X" in all tests required for each sample line)

SAMPLER  
Comments

Sampler Michele Brown

Troxox LLC - Henderson Plant  
PO Box 55  
Henderson, NV 89009

Susan Crowley (702) 651-2234

| TIME | DATE    | LOCATION | IDENTIFIER, STATE ID# | MATRIX * | GRAB | COMP | CR 6010 | pH 9040 | TDS | CLO4 | CRVI 7196 | NO3 9056 | CLO3 9056 | See Bottle Order | SAMPLER<br>Comments |
|------|---------|----------|-----------------------|----------|------|------|---------|---------|-----|------|-----------|----------|-----------|------------------|---------------------|
|      | 1-30-07 |          | I-L                   | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles           |
|      | 1-30-07 |          | I-R                   | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles           |
|      | 1-30-07 |          | I-B                   | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles           |
|      | 1-30-07 |          | I-AR                  | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles           |
|      | 1-30-07 |          | M-164                 | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles           |
|      | 1-30-07 |          | M-165                 | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles           |
|      | 1-30-07 |          | M-166                 | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles           |
|      | 1-30-07 |          | M-57A                 | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles           |
|      | 1-30-07 |          | M-98                  | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles           |
|      | 1-30-07 |          | M-99                  | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles           |
|      | 1-30-07 |          | M-109                 | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles           |
|      | 1-30-07 |          | M-99                  | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles           |

\* MATRIX TYPES:

Reported by Volume:

GFW = Chlorinated Finished Water  
FW = Other Finished Water

RGW = Raw Ground Water  
RSW = Raw Surface Water

CWW = Chlorinated Waste Water  
WW = Other Waste Water  
SW = Storm Water

Reported by Weight:

SO = Soil  
SL = Sludge

SIGNATURE

Michele Brown

PRINT NAME

Michele Brown

COMPANY/TITLE

Ventia Water NA for Troxox LLC - Henderson Plant

DATE

1-30-07

TIME

12:00PM

RECEIVED BY:

RECEIVED BY:

RECEIVED BY:



MONTGOMERY WATSON LABORATORIES

# CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Menlo Park, CA 94025  
(650) 385-1100 (800) 566-5227

ANALYSIS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: \_\_\_\_\_

SAMPLE TEMP, RECEIPT AT LAB: \_\_\_\_\_

BLUE ICE:  FROZEN  PARTIALLY FROZEN  THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

Quantity / Secondary Sampling

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

LABORATORY NAME

Schedule B

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

SAMPLER Comments

Sampler Name  
*Michelle Brown*

Troxox LLC - Henderson Plant  
PO Box 55  
Henderson, NV 89009

Susan Crowley (702) 651-2234

| TIME | DATE    | LOCATION | IDENTIFIER, STATE ID# | MATRIX * | GRAB | COMP | CR 6010 | pH 9040 | TDS | CLO4 | CRVI 7196 | NO3 9056 | CLO3 9056 | See Bottle Order | SAMPLER Comments |
|------|---------|----------|-----------------------|----------|------|------|---------|---------|-----|------|-----------|----------|-----------|------------------|------------------|
|      | 1-30-07 |          | M-25                  | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
|      | 1-30-07 |          | M-34                  | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 3 Bottles        |
|      | 1-30-07 |          | EB-1                  | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 3 Bottles        |
|      | 1-30-07 |          | MD-4                  | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
|      |         |          |                       | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | Bottles          |
|      |         |          |                       | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | Bottles          |
|      |         |          |                       | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | Bottles          |
|      |         |          |                       | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | Bottles          |
|      |         |          |                       | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | Bottles          |
|      |         |          |                       | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | Bottles          |
|      |         |          |                       | RGW      | X    |      | X       | X       | X   | X    |           |          |           |                  | Bottles          |

\* MATRIX TYPES:

Reported by Volume:

CFW = Chloroform Iodinated Finished Water

FW = Other Finished Water

RGW = Raw Ground Water

RSW = Raw Surface Water

Reported by Weight:

SO = Soil

WW = Other Waste Water

SW = Storm Water

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

RECEIVED BY: *Michelle Brown*

Michelle Brown

Vesilia Water NA for Troxox LLC - Henderson Plant

1-30-07

12:00PM

RECEIVED BY:

RECEIVED BY:



MONTGOMERY WATSON LABORATORIES

# CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monterey, CA 91016  
(626) 386-1100 (800) 566-5227

ANALYSES USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: \_\_\_\_\_  
SAMPLE TEMP, RECEIPT AT LAB: \_\_\_\_\_

BLUE ICE: \_\_\_\_\_ FROZEN \_\_\_\_\_ PARTIALLY FROZEN \_\_\_\_\_ THAWED \_\_\_\_\_

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / POJ

Quantity / Groundwater Sampling

Sample

Michelle Brown

Schedule B

Troxor LLC - Henderson Plant  
PO Box 55  
Henderson, NV 89009

Susan Crowley (702) 651-2234

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

| TIME | DATE    | LOCATION | IDENTIFIER, STATE ID# | MATRIX | GRAB | PROC | CR 6010 | PH 9040 | TDS | CLO4 | CRVI 7196 | NO3 9056 | CLO3 9056 | See Bottle Order | SAMPLER Comments |
|------|---------|----------|-----------------------|--------|------|------|---------|---------|-----|------|-----------|----------|-----------|------------------|------------------|
| 017  | 1-31-07 |          | M-04                  | RGW    | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 556  | 1-31-07 |          | M-02                  | RGW    | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 033  | 1-31-07 |          | M-03                  | RGW    | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 147  | 1-31-07 |          | M-10                  | RGW    | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 845  | 1-31-07 |          | M-11                  | RGW    | X    |      | X       | X       | X   | X    |           |          |           |                  | 3 Bottles        |
| 912  | 1-31-07 |          | M-31A                 | RGW    | X    |      | X       | X       | X   | X    |           |          |           |                  | 3 Bottles        |
| 929  | 1-31-07 |          | M-52                  | RGW    | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 947  | 1-31-07 |          | M-50                  | RGW    | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 1000 | 1-31-07 |          | M-34                  | RGW    | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 1010 | 1-31-07 |          | M-35                  | RGW    | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 1034 | 1-31-07 |          | M-19                  | RGW    | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |
| 1041 | 1-31-07 |          | M-39                  | RGW    | X    |      | X       | X       | X   | X    |           |          |           |                  | 2 Bottles        |

Reported by Volume:  
CFW = Chlor(amine)ated Finished Water  
FW = Other Finished Water

RGW = Raw Ground Water  
RSW = Raw Surface Water

CWW = Chlorinated Waste Water  
WW = Other Waste Water  
SW = Storm Water

Reported by Weight:  
SD = Soil  
SL = Sludge

SIGNATURE

*Michelle Brown*

PRINT NAME

Michelle Brown

COMPANY/TITLE

Vacilia Water NA for Troxor LLC - Henderson Plant

DATE

1-31-07

TIME

12:00PM

RECEIVED BY:

RECEIVED BY:

RECEIVED BY:











MONTGOMERY WATSON LABORATORIES

# CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016  
 (626) 386-1100 (800) 566-5227

ANALYSE USE ONLY:  
 LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: \_\_\_\_\_  
 SAMPLE TEMP, RECEIPT AT LAB: \_\_\_\_\_  
 BLUE ICE: \_\_\_\_\_ FROZEN \_\_\_\_\_ PARTIALLY FROZEN \_\_\_\_\_ THAWED \_\_\_\_\_

TO BE COMPLETED BY SAMPLER:  
 COMPANY / PROJECT NAME

PROJECT JOB # 19.02  
 Quantity Groundwater Samples  
 Schedule 3

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)  
 (check for you)

KEEPING OFF: *Michelle Brown*  
 Sampler: *Michelle Brown*  
 Susan Crowley (702) 651-2234  
 Trolox LLC - Henderson Plant  
 PO Box 55  
 Henderson, NV 89009

| TIME  | DATE   | LOCATION | IDENTIFIER, STATE ID# | MATRIX* | GRAB | COMP | CR 6010 | pH 9040 | TDS | CLO4 | CRVI 7196 | NO3 9056 | CLO3 9058 | See Bottle Order | SAMPLER Comments |
|-------|--------|----------|-----------------------|---------|------|------|---------|---------|-----|------|-----------|----------|-----------|------------------|------------------|
| 10:39 | 2-1-07 |          | M-38                  | RGW     | X    |      | X       | X       | X   | X    |           |          |           |                  |                  |
| 10:11 | 2-1-07 |          | M-22A                 | RGW     | X    |      | X       | X       | X   | X    |           |          |           |                  |                  |
| 10:58 | 2-1-07 |          | M-89                  | RGW     | X    |      | X       | X       | X   | X    |           |          |           |                  |                  |
| 11:22 | 2-1-07 |          | M-12A                 | RGW     | X    |      | X       | X       | X   | X    |           |          |           |                  |                  |
| 11:40 | 2-1-07 |          | M-31e                 | RGW     | X    |      | X       | X       | X   | X    |           |          |           |                  |                  |
| 11:59 | 2-1-07 |          | M-84                  | RGW     | X    |      | X       | X       | X   | X    |           |          |           |                  |                  |
| 12:12 | 2-1-07 |          | M-10D                 | RGW     | X    |      | X       | X       | X   | X    |           |          |           |                  |                  |
|       | 2-1-07 |          | MD-2                  | RGW     | X    |      | X       | X       | X   | X    |           |          |           |                  |                  |
|       |        |          |                       | RGW     | X    |      | X       | X       | X   | X    |           |          |           |                  |                  |
|       |        |          |                       | RGW     | X    |      | X       | X       | X   | X    |           |          |           |                  |                  |
|       |        |          |                       | RGW     | X    |      | X       | X       | X   | X    |           |          |           |                  |                  |
|       |        |          |                       | RGW     | X    |      | X       | X       | X   | X    |           |          |           |                  |                  |
|       |        |          |                       | RGW     | X    |      | X       | X       | X   | X    |           |          |           |                  |                  |
|       |        |          |                       | RGW     | X    |      | X       | X       | X   | X    |           |          |           |                  |                  |
|       |        |          |                       | RGW     | X    |      | X       | X       | X   | X    |           |          |           |                  |                  |
|       |        |          |                       | RGW     | X    |      | X       | X       | X   | X    |           |          |           |                  |                  |

Reported by Volume:  
 CFW = Chloroform/Inactivated Finished Water  
 FW = Other Finished Water

RGW = Raw Ground Water  
 RSW = Raw Surface Water

CWW = Chlorinated Waste Water  
 VW = Other Waste Water  
 SW = Storm Water

Reported by Weight:  
 SO = Soil  
 SL = Sludge

REQUISITIONED BY: *Michelle Brown*  
 SIGNATURE

PRINT NAME: *Michelle Brown*

COMPARTMENT: *Ventia Water - NA for Trolox LLC - Henderson Plant*

RECEIVED BY: \_\_\_\_\_ DATE: *2-1-07* TIME: *12:00 PM*



MONTGOMERY WATSON LABORATORIES

# CHAIN OF CUSTODY RECORD

LAB USE ONLY:

LOG IN COMMENTS:

750 Royal Oaks Ave, Suite 100, Monteville, CA 91016  
(626) 386-1100 (800) 566-5227

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

(check boxes)

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

ANALYSES REQUIRED (mark an X in all tests required for each sample line)

TO BE COMPLETED BY SAMPLER:  
COMPANY / PROJECT NAME: **Scheda B**  
PROJECT JOB # / P.O.#  
Quarterly/ Groundwater Samples

KERRIAGEE-AP  
Site# **Michelle Brown** Tronox LLC - Henderson Plant  
PO Box 55 Henderson, NV 89009  
Sagen Crowley (702) 551-2234

| TIME | DATE | LOCATION | IDENTIFIER, STATE ID# | MATRIX |      |      | CR 6010 | PH 9040 | TDS | CLO4 | CRVI 7196 | NO3 9056 | CLO3 9056 | See Bottle Order | SAMPLER Comments |
|------|------|----------|-----------------------|--------|------|------|---------|---------|-----|------|-----------|----------|-----------|------------------|------------------|
|      |      |          |                       | RGW    | GRAB | COMP |         |         |     |      |           |          |           |                  |                  |
|      |      |          | NA-141K               | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | 2 Bottles        |
|      |      |          | NA-176                | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | 2 Bottles        |
|      |      |          | NA-115                | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | 2 Bottles        |
|      |      |          | NA-144                | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | 2 Bottles        |
|      |      |          |                       | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | Bottles          |
|      |      |          |                       | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | Bottles          |
|      |      |          |                       | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | Bottles          |
|      |      |          |                       | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | Bottles          |
|      |      |          |                       | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | Bottles          |
|      |      |          |                       | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | Bottles          |
|      |      |          |                       | RGW    | X    |      | X       | X       | X   |      |           |          |           |                  | Bottles          |

MATRIX TYPES:  
Reported by Volume:  
CFW = Chloraminated Finished Water  
FW = Other Finished Water

RGW = Raw Ground Water  
RSW = Raw Surface Water

CGW = Chlorinated Waste Water  
WW = Other Waste Water  
SW = Storm Water

Reported by Weight:  
SO = Soil  
SL = Sludge

REPORTED BY: **Michelle Brown** SIGNATURE: **Michelle Brown**  
PRINT NAME: **Michelle Brown**  
COMPANY/TITLE: **Vedalia Water NA for Tronox LLC - Henderson Plant**

DATE: **2-2-07** TIME: **12:40PM**

RECEIVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_







## *Groundwater Field Log*

### This Section Contains:

- Water Sampling Field Logs

# Water Sampling Field Log

Well No.: PC-123

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method: Electric Pump @ Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool 30°F

**Well Information:**

Total Well Depth: 34.70 feet Time: 6:40

Depth to Water: 22.93 feet

|  |             |        |        |
|--|-------------|--------|--------|
| Well Diameter (circle one)   | Well        | Purge  | Purge  |
| <input checked="" type="radio"/> 2-in. <input type="radio"/> 4-in. <input type="radio"/> 6-in. | Volume (VV) | Factor | Volume |

Height of Water Column (L): 11.77 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.8 gal. \* 3 = 6 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|-------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>6:45</u> | —                        | —           | —                     | —             |              |
| <u>6:50</u> | <u>2 gal</u>             | <u>6.87</u> | <u>9.01 mS/cm</u>     | <u>22.9°C</u> | <u>clear</u> |
| <u>6:52</u> | <u>4 gal</u>             | <u>7.06</u> | <u>9.01 mS/cm</u>     | <u>22.5°C</u> | <u>clear</u> |
| <u>6:53</u> | <u>6 gal</u>             | <u>7.12</u> | <u>8.94 mS/cm</u>     | <u>22.5°C</u> | <u>clear</u> |
| _____       | gal                      | _____       | _____                 | _____         | _____        |
| _____       | gal                      | _____       | _____                 | _____         | _____        |
| _____       | gal                      | _____       | _____                 | _____         | _____        |

Sample Appearance: clear

Sample Collection - Time Start: 6:55 Time Finished: 6:55

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

Comments:

*cast lid missing*

# Water Sampling Field Log

Well No.: PC-124

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method: Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool 37°

**Well Information:**

Total Well Depth: 34.60 feet Time: 7:05

Depth to Water: 24.47 feet

|  |                  |              |              |
|--|------------------|--------------|--------------|
| Well Diameter (circle one)   | Well Volume (VV) | Purge Factor | Purge Volume |
| <input checked="" type="radio"/> 2-in. <input type="radio"/> 4-in. <input type="radio"/> 6-in. |                  |              |              |

Height of Water Column (L): 10.13 feet \* 0.16 gal/ft \* 2-in. + 0.65 gal/ft \* 1.47 gal/ft = 1.6 gal. \* 3 = 5 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|-------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>7:06</u> | —                        | —           | —                     | —             |              |
| <u>7:08</u> | <u>2 gal</u>             | <u>7.15</u> | <u>6.91 mS/cm</u>     | <u>20.5°c</u> | <u>clear</u> |
| <u>7:09</u> | <u>4 gal</u>             | <u>7.15</u> | <u>6.94 mS/cm</u>     | <u>20.5°c</u> | <u>clear</u> |
| <u>7:10</u> | <u>5 gal</u>             | <u>7.18</u> | <u>6.91 mS/cm</u>     | <u>20.5°c</u> | <u>clear</u> |
|             | gal                      |             |                       |               |              |
|             | gal                      |             |                       |               |              |
|             | gal                      |             |                       |               |              |

Sample Appearance: clear

Sample Collection - Time Start: 7:11 Time Finished: 7:11

Analyses: pH / CLO4 / CR / TDS                      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles    3 Bottles

NO3 / CLO3  
2 bottles    TOTAL BOTTLES: 2

Comments:



# Water Sampling Field Log

Well No.: PC-125

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2" O

Weather Conditions: cool

**Well Information:**

Total Well Depth: 33.50 feet Time: 7:16

Depth to Water: 23.31 feet

Well Diameter (circle one)  
 2-in.     4-in.     6-in.

Height of Water Column (L): 12.19 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.9 gal. \* 3 = 6 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp | Observations  |
|-------------|--------------------------|-------------|-----------------------|------|---------------|
| <u>7:17</u> | —                        | —           | —                     | —    | —             |
| <u>7:19</u> | <u>2 gal</u>             | <u>7.14</u> | <u>7.72</u>           |      | <u>muddy</u>  |
| <u>7:22</u> | <u>4 gal</u>             | <u>7.15</u> | <u>7.67</u>           |      | <u>cloudy</u> |
| <u>7:23</u> | <u>6 gal</u>             | <u>7.16</u> | <u>7.55</u>           |      | <u>cloudy</u> |
|             | gal                      |             |                       |      |               |
|             | gal                      |             |                       |      |               |
|             | gal                      |             |                       |      |               |

Sample Appearance: silty

Sample Collection - Time Start: 7:24 Time Finished: 7:24

Analyses: pH / CLO4 / CR / TDS      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles      3 Bottles

NO3 / CLO3  
2 bottles      TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: PC-126

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool 38°F

**Well Information:**

Total Well Depth: 34.30 feet Time: 7:30

Depth to Water: 22.32 feet

Height of Water Column (L): 11.98 feet \* 2-in. Well Diameter (circle one) \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.9 gal. \* 3 = 6 gal

2-in.     4-in.     6-in.  
 Well Volume (WV)    Purge Factor    Purge Volume

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|-------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>7:31</u> | —                        | —           | —                     | —             | —            |
| <u>7:34</u> | <u>2 gal</u>             | <u>6.99</u> | <u>13.42 mS/cm</u>    | <u>20.5°C</u> | <u>clear</u> |
| <u>7:36</u> | <u>4 gal</u>             | <u>7.0</u>  | <u>13.45 mS/cm</u>    | <u>21.7°C</u> | <u>clear</u> |
| <u>7:37</u> | <u>6 gal</u>             | <u>6.77</u> | <u>13.50 mS/cm</u>    | <u>22.1°C</u> | <u>clear</u> |
|             | gal                      |             |                       |               |              |
|             | gal                      |             |                       |               |              |
|             | gal                      |             |                       |               |              |

Sample Appearance: clear

Sample Collection - Time Start: 7:37 Time Finished: 7:37

Analyses: pH / CLO4 / CR / TDS      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles      3 Bottles

NO3 / CLO3  
2 bottles      TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: PC-127

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2" O

Weather Conditions: cool

**Well Information:**

Total Well Depth: 34.70 feet Time: 144

Depth to Water: 18.93 feet

Well Diameter (circle one)  2-in.  4-in.  6-in. Well Volume (WV) Purge Factor Purge Volume  
 Height of Water Column (L): 15.77 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 2.52 gal. \* 3 = 8 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>745</u> | —                        | —           | —                     | —             | —            |
| <u>747</u> | <u>3 gal</u>             | <u>7.33</u> | <u>8.26 ns/cm</u>     | <u>20.7°C</u> | <u>clean</u> |
| <u>748</u> | <u>6 gal</u>             | <u>7.29</u> | <u>8.31 ns/cm</u>     | <u>21.7°C</u> | <u>clean</u> |
| <u>749</u> | <u>8 gal</u>             | <u>7.29</u> | <u>9.15 ns/cm</u>     | <u>21.8°C</u> | <u>clean</u> |
| _____      | gal                      | _____       | _____                 | _____         | _____        |
| _____      | gal                      | _____       | _____                 | _____         | _____        |
| _____      | gal                      | _____       | _____                 | _____         | _____        |

Sample Appearance: clean

Sample Collection - Time Start: 751 Time Finished: 751

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No: PC-128

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool

**Well Information:**

Total Well Depth: 34.70 feet Time: 7:55

Depth to Water: 18.54 feet

|   |  |               |               |                                      |                    |
|---|--|---------------|---------------|--------------------------------------|--------------------|
|   | Well Diameter (circle one)   |               |               |                                      |                    |
|   | <input checked="" type="radio"/> 2-in. <input type="radio"/> 4-in. <input type="radio"/> 6-in. |               |               |                                      |                    |
| Height of Water Column (L): <u>16.16</u> feet | * 0.16 gal/ft  | * 0.65 gal/ft | * 1.47 gal/ft | = $\frac{2.51 \text{ MB}}{2.5}$ gal. | * 3 = <u>8 gal</u> |

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp         | Observations  |
|-------------|--------------------------|-------------|-----------------------|--------------|---------------|
| <u>7:56</u> | —                        | —           | —                     | —            | —             |
| <u>7:58</u> | <u>3 gal</u>             | <u>7.43</u> | <u>6.09 mS/cm</u>     | <u>22.0°</u> | <u>clear</u>  |
| <u>800</u>  | <u>6 gal</u>             | <u>7.40</u> | <u>6.10 mS/cm</u>     | <u>21.7°</u> | <u>clear</u>  |
| <u>801</u>  | <u>8 gal</u>             | <u>7.39</u> | <u>6.15 mS/cm</u>     | <u>22.6°</u> | <u>cloudy</u> |
| —           | gal                      | —           | —                     | —            | —             |
| —           | gal                      | —           | —                     | —            | —             |
| —           | gal                      | —           | —                     | —            | —             |

Sample Appearance: cloudy w/ silt

Sample Collection - Time Start: 802 Time Finished: 802

Analyses: pH / CLO4 / CR / TDS      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles      3 Bottles

NO3 / CLO3  
2 bottles      TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: PC-129

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method: Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool

**Well Information:**

Total Well Depth: 37.70 feet Time: 8:08

Depth to Water: 18.53 feet

|  |             |        |        |
|--|-------------|--------|--------|
| Well Diameter (circle one)   | Well        | Purge  | Purge  |
| <input checked="" type="radio"/> 2-in. <input type="radio"/> 4-in. <input type="radio"/> 8-in. | Volume (VV) | Factor | Volume |

Height of Water Column (L): 16.17 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 2.58 gal. \* 3 = 8 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations           |
|-------------|--------------------------|-------------|-----------------------|---------------|------------------------|
| <u>8:10</u> | —                        | —           | —                     | —             |                        |
| <u>8:11</u> | <u>3</u> gal             | <u>7.27</u> | <u>583 mS/cm</u>      | <u>20.2°C</u> | <u>cloudy</u>          |
| <u>8:13</u> | <u>6</u> gal             | <u>7.15</u> | <u>6.51 mS/cm</u>     | <u>21.5°C</u> | <u>slightly cloudy</u> |
| <u>8:14</u> | <u>8</u> gal             | <u>7.08</u> | <u>7.09 mS/cm</u>     | <u>21.1°C</u> | <u>slightly cloudy</u> |
| <u>8:15</u> | <u>10</u> gal            | <u>7.06</u> | <u>7.22 mS/cm</u>     | <u>22.2°C</u> | <u>slightly cloudy</u> |
|             | gal                      |             |                       |               |                        |
|             | gal                      |             |                       |               |                        |

Sample Appearance: slightly cloudy

Sample Collection - Time Start: 8:17 Time Finished: 8:17

Analyses: pH / CLO4 / CR / TDS      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles      3 Bottles

NO3 / CLO3  
2 bottles      TOTAL BOTTLES: 2

Comments: MO-3 taken here 2 bottles

# Water Sampling Field Log

Well No.: PC-130

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2" O

Weather Conditions: COOL

**Well Information:**

Total Well Depth: 49.10 feet Time: 823

Depth to Water: 19.10 feet

Well Diameter (circle one)  2-in.  4-in.  6-in. Well Volume (WV) Purge Factor Purge Volume  
 Height of Water Column (L): 30.60 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 4.89 gal. \* 3 = 15 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>824</u> | —                        | —           | —                     | —             | —            |
| <u>827</u> | <u>5 gal</u>             | <u>7.25</u> | <u>7.75 mS/cm</u>     | <u>19.6°C</u> | <u>clear</u> |
| <u>829</u> | <u>10 gal</u>            | <u>7.23</u> | <u>7.62 mS/cm</u>     | <u>20.1°C</u> | <u>clear</u> |
| <u>832</u> | <u>15 gal</u>            | <u>7.14</u> | <u>7.56 mS/cm</u>     | <u>20.7°C</u> | <u>clear</u> |
| —          | gal                      | —           | —                     | —             | —            |
| —          | gal                      | —           | —                     | —             | —            |
| —          | gal                      | —           | —                     | —             | —            |

Sample Appearance: clear

Sample Collection - Time Start: 833 Time Finished: 833

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: PC-131

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method: Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool 40°F

**Well Information:**

Total Well Depth: 39.40 feet Time: 837

Depth to Water: 11.34 feet

|   |  |                                   |                                   |   |
|---|--|-----------------------------------|-----------------------------------|---|
|   | Well Diameter (circle one)                   |                                   |                                   |   |
|   | 2-in.      4-in.      6-in.                  | Well                              | Purge                             | Purge   |
| Height of Water Column (L): <u>28.06</u> feet | <input checked="" type="radio"/> 0.18 gal/ft | <input type="radio"/> 0.65 gal/ft | <input type="radio"/> 1.47 gal/ft | = <u>4.48</u> gal. * <u>3</u> = <u>13</u> gal |

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>838</u> | ---                      | ---         | ---                   | ---           |              |
| <u>841</u> | <u>5</u> gal             | <u>7.14</u> | <u>13.15 ms/cm</u>    | <u>21.2°C</u> | <u>clear</u> |
| <u>843</u> | <u>9</u> gal             | <u>7.06</u> | <u>13.08 ms/cm</u>    | <u>22.0°C</u> | <u>clear</u> |
| <u>845</u> | <u>13</u> gal            | <u>7.07</u> | <u>12.75 ms/cm</u>    | <u>22.0°C</u> | <u>clear</u> |
|            | gal                      |             |                       |               |              |
|            | gal                      |             |                       |               |              |
|            | gal                      |             |                       |               |              |

Sample Appearance: clear

Sample Collection - Time Start: 846 Time Finished: 846

Analyses: pH / CLO4 / CR / TDS      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles      3 Bottles

NO3 / CLO3  
2 bottles      TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: PC-132

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 7-29-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: Cool

### Well Information:

Total Well Depth: 39.70 feet Time: 851

Depth to Water: 9.91 feet

Well Diameter (circle one) Well Volume (WV) Purge Factor Purge Volume

2-in.  4-in.  6-in.

Height of Water Column (L): 29.79 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 4.76 gal \* 3 = 14 gal

### Field Measurements:

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp           | Observations |
|------------|--------------------------|-------------|-----------------------|----------------|--------------|
| <u>852</u> | —                        | —           | —                     | —              | —            |
| <u>855</u> | <u>5</u> gal             | <u>7.15</u> | <u>12.86</u> mS/cm    | <u>21.6</u> °C | <u>clear</u> |
| <u>858</u> | <u>10</u> gal            | <u>7.14</u> | <u>12.93</u> mS/cm    | <u>22.4</u> °C | <u>clear</u> |
| <u>900</u> | <u>14</u> gal            | <u>7.09</u> | <u>12.95</u> mS/cm    | <u>22.5</u> °C | <u>clear</u> |
|            | gal                      |             |                       |                |              |
|            | gal                      |             |                       |                |              |
|            | gal                      |             |                       |                |              |

Sample Appearance: clear

Sample Collection - Time Start: 901 Time Finished: 901

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:



# Water Sampling Field Log

Well No.: M-96

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-09

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool

Well Information: ATFMS

Total Well Depth: 116.90 feet Time: 919

Depth to Water: 10.25 feet

Well Diameter (circle one)  2-in.  4-in.  6-in. Well Volume (WV) Purge Factor Purge Volume  
 Height of Water Column (L): 66.5 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.06 gal. \* 3 = 3.18 gal

**Field Measurements:** Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations           |
|------------|--------------------------|-------------|-----------------------|---------------|------------------------|
| <u>919</u> | —                        | —           | —                     | —             | —                      |
| <u>922</u> | <u>1</u> gal             | <u>7.54</u> | <u>8.00 ms/cm</u>     | <u>20.0°C</u> | <u>muddy</u>           |
| <u>924</u> | <u>2</u> gal             | <u>7.42</u> | <u>7.75 ms/cm</u>     | <u>20.8°C</u> | <u>muddy</u>           |
| <u>925</u> | <u>3</u> gal             | <u>7.38</u> | <u>8.03 ms/cm</u>     | <u>22.2°C</u> | <u>slightly cloudy</u> |
|            | gal                      |             |                       |               |                        |
|            | gal                      |             |                       |               |                        |
|            | gal                      |             |                       |               |                        |

Sample Appearance: slightly cloudy

Sample Collection - Time Start: 926 Time Finished: 926

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments: Removed bailer for DTW

# Water Sampling Field Log

Well No.: M-45

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: 48°F warm

**Well Information:**

Total Well Depth: 30.00 feet Time: 931

Depth to Water: 10.03 feet

Well Diameter (circle one)  2-in.  4-in.  6-in.

Well Volume (WV)  0.16 gal/ft  0.65 gal/ft  1.47 gal/ft = 3.19 gal. \* 3 = 10 gal.

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>931</u> | —                        | —           | —                     | —             | —            |
| <u>933</u> | <u>4</u> gal             | <u>7.36</u> | <u>8.20 ms/cm</u>     | <u>22.3°C</u> | <u>clear</u> |
| <u>935</u> | <u>7</u> gal             | <u>7.35</u> | <u>8.50 ms/cm</u>     | <u>22.8°C</u> | <u>clear</u> |
| <u>937</u> | <u>10</u> gal            | <u>7.36</u> | <u>8.55 ms/cm</u>     | <u>22.5°C</u> | <u>clear</u> |
| —          | gal                      | —           | —                     | —             | —            |
| —          | gal                      | —           | —                     | —             | —            |
| —          | gal                      | —           | —                     | —             | —            |

Sample Appearance: clear

Sample Collection - Time Start: 938 Time Finished: 938

Analyses: pH / CLO4 / CR / TDS      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles      3 Bottles

NO3 / CLO3  
2 bottles      TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: PC-54

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2" O

Weather Conditions: warm 55°F

**Well Information:**

Total Well Depth: 34.60 feet Time: 10:22

Depth to Water: 15.46 feet

Well Diameter (circle one)  
 2-in.  4-in.  6-in.

Height of Water Column (L): 19.14 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 3.06 gal. \* 3 = 9 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time         | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations                   |
|--------------|--------------------------|-------------|-----------------------|---------------|--------------------------------|
| <u>10:23</u> | —                        | —           | —                     | —             | —                              |
| <u>10:26</u> | <u>3 gal</u>             | <u>7.35</u> | <u>7.40 mS/cm</u>     | <u>23.9°C</u> | <u>slightly cloudy</u>         |
| <u>10:28</u> | <u>6 gal</u>             | <u>7.26</u> | <u>7.41 mS/cm</u>     | <u>24.4°C</u> | <u>clear (slightly yellow)</u> |
| <u>10:30</u> | <u>9 gal</u>             | <u>7.22</u> | <u>7.23 mS/cm</u>     | <u>24.2°C</u> | <u>same</u>                    |
| _____        | _____ gal                | _____       | _____                 | _____         | _____                          |
| _____        | _____ gal                | _____       | _____                 | _____         | _____                          |
| _____        | _____ gal                | _____       | _____                 | _____         | _____                          |

Sample Appearance: Very slightly yellow

Sample Collection - Time Start: 1031 Time Finished: 1031

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-48

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: Warm

**Well Information:**

Total Well Depth: 38.59 feet Time: 1039

Depth to Water: 23.94 feet

Well Diameter (circle one)  
 2-in.  4-in.  6-in.

Well Volume (WV) Purge Factor Purge Volume  
 Height of Water Column (L): 14.65 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 2.34 gal. \* 3 = 7 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp           | Observations |
|-------------|--------------------------|-------------|-----------------------|----------------|--------------|
| <u>1040</u> | ---                      | ---         | ---                   | ---            | ---          |
| <u>1042</u> | <u>3</u> gal             | <u>7.55</u> | <u>3.51</u> mS/cm     | <u>22.9</u> °C | <u>clear</u> |
| <u>1044</u> | <u>5</u> gal             | <u>7.45</u> | <u>3.51</u> mS/cm     | <u>23.1</u> °C | <u>clear</u> |
| <u>1046</u> | <u>7</u> gal             | <u>7.45</u> | <u>3.40</u> mS/cm     | <u>23.1</u> °C | <u>clear</u> |
| ---         | gal                      | ---         | ---                   | ---            | ---          |
| ---         | gal                      | ---         | ---                   | ---            | ---          |
| ---         | gal                      | ---         | ---                   | ---            | ---          |

Sample Appearance: clear

Sample Collection - Time Start: 1047 Time Finished: 1047

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: PC-71

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: Warm

**Well Information:**

Total Well Depth: 43.00 feet Time: 1109

Depth to Water: 22.37 feet

Height of Water Column (L): 20.63 feet \* 2-in. Well Diameter (circle one) \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 3.30 gal. \* 3 = 10 gal

Well Volume (WV)      Purge Factor      Purge Volume

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time         | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|--------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>11:11</u> | —                        | —           | —                     | —             | —            |
| <u>11:14</u> | <u>4 gal</u>             | <u>7.38</u> | <u>9.26 mS/cm</u>     | <u>23.4°C</u> | <u>clear</u> |
| <u>11:16</u> | <u>7 gal</u>             | <u>7.32</u> | <u>9.39 mS/cm</u>     | <u>23.6°C</u> | <u>clear</u> |
| <u>11:18</u> | <u>10 gal</u>            | <u>7.32</u> | <u>9.27 mS/cm</u>     | <u>23.5°C</u> | <u>clear</u> |
|              | <u>gal</u>               |             |                       |               |              |
|              | <u>gal</u>               |             |                       |               |              |
|              | <u>gal</u>               |             |                       |               |              |

Sample Appearance: clear

Sample Collection - Time Start: 11:19 Time Finished: 11:19

Analyses: pH / CLO4 / CR / TDS      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles      3 Bottles

NO3 / CLO3  
2 bottles      TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: PC-12

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: Warm 57°F

**Well Information:**

Total Well Depth: 36.00 feet Time: 1123

Depth to Water: 27.25 feet

Height of Water Column (L): 8.75 feet \* 2-in. Well Diameter (circle one) \* 0.16 gal/ft \* 4-in. \* 0.65 gal/ft \* 6-in. \* 1.47 gal/ft = 1.4 gal. \* 3 = 4 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations                |
|-------------|--------------------------|-------------|-----------------------|---------------|-----------------------------|
| <u>1125</u> | —                        | —           | —                     | —             | —                           |
| <u>1127</u> | <u>2 gal</u>             | <u>7.39</u> | <u>8.45 ms/cm</u>     | <u>22.5°C</u> | <u>very slightly cloudy</u> |
| <u>1128</u> | <u>3 gal</u>             | <u>7.35</u> | <u>8.29 ms/cm</u>     | <u>23.0°C</u> | <u>clear</u>                |
| <u>1129</u> | <u>4 gal</u>             | <u>7.34</u> | <u>8.43 ms/cm</u>     | <u>23.6°C</u> | <u>clear</u>                |
|             | <u>gal</u>               |             |                       |               |                             |
|             | <u>gal</u>               |             |                       |               |                             |
|             | <u>gal</u>               |             |                       |               |                             |

Sample Appearance: clear

Sample Collection - Time Start: 1130 Time Finished: 1130

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

**Comments:**

Dup SC reading here      EC 8.38 ms/cm      Temp 23.2°C

# Water Sampling Field Log

Well No.: PC-173

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: Warm

**Well Information:**

Total Well Depth: 370.00 feet Time: 1134

Depth to Water: 29.93 feet

Height of Water Column (L): 6.01 feet \* 2-in. Well Diameter (circle one) \* 0.16 gal/ft \* 4-in. \* 0.65 gal/ft \* 6-in. \* 1.47 gal/ft = PM gal. \* 3 = 3 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations           |
|-------------|--------------------------|-------------|-----------------------|---------------|------------------------|
| <u>1135</u> | —                        | —           | —                     | —             | —                      |
| <u>1137</u> | <u>1 gal</u>             | <u>7.43</u> | <u>1.49 ms/cm</u>     | <u>22.1°C</u> | <u>clear</u>           |
| <u>1138</u> | <u>2 gal</u>             | <u>7.31</u> | <u>1.70 ms/cm</u>     | <u>22.9°C</u> | <u>slightly cloudy</u> |
| <u>1139</u> | <u>3 gal</u>             | <u>7.27</u> | <u>8.14 ms/cm</u>     | <u>23.3°C</u> | <u>clear</u>           |
| _____       | <u>gal</u>               | _____       | _____                 | _____         | _____                  |
| _____       | <u>gal</u>               | _____       | _____                 | _____         | _____                  |
| _____       | <u>gal</u>               | _____       | _____                 | _____         | _____                  |

Sample Appearance: clear

Sample Collection - Time Start: 1140 Time Finished: 1140

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: PC-37

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: WARM

**Well Information:**

Total Well Depth: 43.08 feet Time: 1147

Depth to Water: 23.99 feet

Well Diameter (circle one)  2-in.  4-in.  8-in.

Well Volume (WV)  Purge Factor  Purge Volume

Height of Water Column (L): 19.09 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 3.05 gal. \* 3 = 9 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|-------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>1148</u> | —                        | —           | —                     | —             | —            |
| <u>1150</u> | <u>3 gal</u>             | <u>7.37</u> | <u>8.65 mS/cm</u>     | <u>23.4°c</u> | <u>clear</u> |
| <u>1152</u> | <u>6 gal</u>             | <u>7.36</u> | <u>8.61 mS/cm</u>     | <u>23.2°c</u> | <u>clear</u> |
| <u>1155</u> | <u>9 gal</u>             | <u>7.36</u> | <u>8.63 mS/cm</u>     | <u>23.0°c</u> | <u>clear</u> |
| _____       | gal                      | _____       | _____                 | _____         | _____        |
| _____       | gal                      | _____       | _____                 | _____         | _____        |
| _____       | gal                      | _____       | _____                 | _____         | _____        |

Sample Appearance: clear

Sample Collection - Time Start: 11:56 Time Finished: 1156

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

Comments:



# Water Sampling Field Log

Well No.: M-23

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: Warm

**Well Information:**

Total Well Depth: 44.47 feet Time: 12:05

Depth to Water: 25.04 feet

Well Diameter (circle one)  2-in.  4-in.  6-in.

Height of Water Column (L): 19.43 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 3.1 gal. \* 3 = 9 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|-------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>1204</u> | ---                      | ---         | ---                   | ---           |              |
| <u>1209</u> | <u>3 gal</u>             | <u>7.44</u> | <u>5.42 ms/cm</u>     | <u>23.0°C</u> | <u>clear</u> |
| <u>1212</u> | <u>4 gal</u>             | <u>7.32</u> | <u>5.34 ms/cm</u>     | <u>22.8°C</u> | <u>clear</u> |
| <u>1214</u> | <u>9 gal</u>             | <u>7.29</u> | <u>5.35 ms/cm</u>     | <u>22.9°C</u> | <u>clear</u> |
|             | <u>gal</u>               |             |                       |               |              |
|             | <u>gal</u>               |             |                       |               |              |
|             | <u>gal</u>               |             |                       |               |              |

Sample Appearance: clear

Sample Collection - Time Start: 1215 Time Finished: 1215

Analyses: pH / CLO4 / CR / TDS      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles      3 Bottles

NO3 / CLO3  
2 bottles      TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-44

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2" O

Weather Conditions: Warm

**Well Information:**

Total Well Depth: 37.65 feet Time: 1220

Depth to Water: 18.53 feet

Well Diameter (circle one)  2-in.  4-in.  6-in.

Height of Water Column (L): 19.12 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 3.05 gal. \* 3 = 9 gal

Well Volume (WV) Purge Factor Purge Volume

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time                    | Cumulative Volume Purged | pH   | Specific Conductivity | Temp   | Observations |
|-------------------------|--------------------------|------|-----------------------|--------|--------------|
| <del>1057</del><br>1221 | —                        | —    | —                     | —      | —            |
| 1223                    | 3 gal                    | 7.34 | 9.37 ms/cm            | 22.6°C | clear        |
| 1226                    | 6 gal                    | 7.32 | 9.27 ms/cm            | 22.8°C | clear        |
| 1228                    | 9 gal                    | 7.31 | 9.01 ms/cm            | 22.9°C | clear        |
|                         | gal                      |      |                       |        |              |
|                         | gal                      |      |                       |        |              |
|                         | gal                      |      |                       |        |              |

Sample Appearance: clear

Sample Collection - Time Start: 1229 Time Finished: 1229

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 3

Comments: Field blank taken here

# Water Sampling Field Log

Well No.: m-94

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-29-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2" O

Weather Conditions: Warm

**Well Information:**

Total Well Depth: 21.60 feet Time: 1240

Depth to Water: 11.64 feet

Well Diameter (circle one)  
 2-in.  4-in.  6-in.

Height of Water Column (L): 9.96 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.59 gal. \* 3 = 5 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp           | Observations |
|-------------|--------------------------|-------------|-----------------------|----------------|--------------|
| <u>1241</u> | ---                      | ---         | ---                   | ---            |              |
| <u>1242</u> | <u>2</u> gal             | <u>7.35</u> | <u>8.89</u> mS/cm     | <u>21.4</u> °C | <u>clear</u> |
| <u>1243</u> | <u>4</u> gal             | <u>7.29</u> | <u>8.71</u> mS/cm     | <u>22.2</u> °C | <u>clear</u> |
| <u>1245</u> | <u>5</u> gal             | <u>7.29</u> | <u>8.54</u> mS/cm     | <u>22.8</u> °C | <u>clear</u> |
|             | gal                      |             |                       |                |              |
|             | gal                      |             |                       |                |              |
|             | gal                      |             |                       |                |              |

Sample Appearance: clear

Sample Collection - Time Start: 1246 Time Finished: 1246

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 3

Comments:

# Water Sampling Field Log

Well No.: M-24

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool

**Well Information:**

Total Well Depth: 38.00 feet Time: M:11

Depth to Water: 27.68 feet

Well Diameter (circle one)  2-in.  4-in.  6-in.

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 10.32 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.65 gal. \* 3 = 5 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations                        |
|-------------|--------------------------|-------------|-----------------------|---------------|-------------------------------------|
| <u>M:11</u> | —                        | —           | —                     | —             | —                                   |
| <u>1:34</u> | <u>2 gal</u>             | <u>7.23</u> | <u>10.40 mS/cm</u>    | <u>19.6°C</u> | <u>dirty yellow</u>                 |
| <u>1:39</u> | <u>2 gal</u>             | <u>7.28</u> | <u>10.30 mS/cm</u>    | <u>18.8°C</u> | <u>slightly cloudy light yellow</u> |
| <u>1:45</u> | <u>1 gal</u>             | <u>7.27</u> | <u>10.21 mS/cm</u>    | <u>19.8°C</u> | <u>clear light yellow</u>           |
|             | <u>gal</u>               |             |                       |               |                                     |
|             | <u>gal</u>               |             |                       |               |                                     |
|             | <u>gal</u>               |             |                       |               |                                     |

Sample Appearance: light yellow

Sample Collection - Time Start: 1:45 Time Finished: 1:47

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

**Comments:**

*had electric problems had Russell big ground wires on pump Well purges dry*

# Water Sampling Field Log

Well No.: M-65

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool 41°C

**Well Information:**

Total Well Depth: 40.00 feet Time: M52

Depth to Water: 29.64 feet

|   |  |               |               |                    |                           |
|---|--|---------------|---------------|--------------------|---------------------------|
|   | Well Diameter (circle one)   |               |               |                    |                           |
|   | <input checked="" type="radio"/> 2-in. <input type="radio"/> 4-in. <input type="radio"/> 6-in. | Well          | Purge         | Purge              |                           |
|   |  | Volume (WV)   | Factor        | Volume             |                           |
| Height of Water Column (L): <u>10.36</u> feet | * 0.16 gal/ft  | * 0.65 gal/ft | * 1.47 gal/ft | = <u>1.65</u> gal. | * <u>3</u> = <u>5 gal</u> |

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations  |
|------------|--------------------------|-------------|-----------------------|---------------|---------------|
| <u>M53</u> | —                        | —           | —                     | —             |               |
| <u>M54</u> | <u>2</u> gal             | <u>7.0</u>  | <u>16.46 mS/cm</u>    | <u>19.7°C</u> | <u>yellow</u> |
| <u>800</u> | <u>4</u> gal             | <u>6.90</u> | <u>16.58 mS/cm</u>    | <u>19.9°C</u> | <u>yellow</u> |
| <u>802</u> | <u>5</u> gal             | <u>6.88</u> | <u>16.27 mS/cm</u>    | <u>21.1°C</u> | <u>yellow</u> |
| _____      | gal                      | _____       | _____                 | _____         | _____         |
| _____      | gal                      | _____       | _____                 | _____         | _____         |
| _____      | gal                      | _____       | _____                 | _____         | _____         |

Sample Appearance: yellow

Sample Collection - Time Start: 803 Time Finished: 803

Analyses: pH / CLO4 / CR / TDS     pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles     3 Bottles

NO3 / CLO3  
2 bottles     TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-66

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2" O

Weather Conditions: cool cloudy 43°F

**Well Information:**

Total Well Depth: 43.00 feet Time: 808

Depth to Water: 30.61 feet

Well Diameter (circle one)  
 2-in.  4-in.  6-in.

Height of Water Column (L): 12.39 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.98 gal. \* 3 = 6 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations  |
|------------|--------------------------|-------------|-----------------------|---------------|---------------|
| <u>812</u> | —                        | —           | —                     | —             | —             |
| <u>814</u> | <u>2 gal</u>             | <u>6.71</u> | <u>17.05 mS/cm</u>    | <u>21.0°C</u> | <u>yellow</u> |
| <u>816</u> | <u>4 gal</u>             | <u>6.68</u> | <u>17.26 mS/cm</u>    | <u>22.0°C</u> | <u>yellow</u> |
| <u>818</u> | <u>6 gal</u>             | <u>6.68</u> | <u>16.84 mS/cm</u>    | <u>22.1°C</u> | <u>yellow</u> |
| _____      | <u>gal</u>               | _____       | _____                 | _____         | _____         |
| _____      | <u>gal</u>               | _____       | _____                 | _____         | _____         |
| _____      | <u>gal</u>               | _____       | _____                 | _____         | _____         |

Sample Appearance: yellow

Sample Collection - Time Start: 819 Time Finished: 819

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-54A

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 130-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool cloudy

**Well Information:**

Total Well Depth: 42.40 feet Time: 826

Depth to Water: 29.54 feet

Well-Diameter (circle one)  
 2-in.  4-in.  6-in.

Well Volume (WV) Purge Factor Purge Volume  
 Height of Water Column (L): 12.86 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 2.05 gal. \* 3 = 6 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp         | Observations  |
|------------|--------------------------|-------------|-----------------------|--------------|---------------|
| <u>827</u> | —                        | —           | —                     | —            | —             |
| <u>828</u> | <u>2 gal</u>             | <u>7.54</u> | <u>4.42 mS/cm</u>     | <u>20.3°</u> | <u>cloudy</u> |
| <u>830</u> | <u>4 gal</u>             | <u>7.51</u> | <u>4.25 mS/cm</u>     | <u>21.2°</u> | <u>cloudy</u> |
| <u>832</u> | <u>6 gal</u>             | <u>7.50</u> | <u>4.31 mS/cm</u>     | <u>22.0°</u> | <u>cloudy</u> |
|            | <u>gal</u>               |             |                       |              |               |
|            | <u>gal</u>               |             |                       |              |               |
|            | <u>gal</u>               |             |                       |              |               |

Sample Appearance: slightly cloudy

Sample Collection - Time Start: 833 Time Finished: 833

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-98

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cloudy cool

**Well Information:**

Total Well Depth: 33.40 feet Time: 839

Depth to Water: 29.93 feet

Well Diameter (circle one)  
 2-in.     4-in.     6-in.

Height of Water Column (L): 3.47 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 155 gal. \* 3 = 2 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp           | Observations |
|------------|--------------------------|-------------|-----------------------|----------------|--------------|
| <u>841</u> | ---                      | ---         | ---                   | ---            | ---          |
| <u>842</u> | <u>1</u> gal             | <u>7.45</u> | <u>4.93 mS/cm</u>     | <u>18.6 °C</u> | <u>clear</u> |
| <u>843</u> | <u>1.5</u> gal           | <u>7.37</u> | <u>5.61 mS/cm</u>     | <u>19.9 °C</u> | <u>clear</u> |
| <u>843</u> | <u>2</u> gal             | <u>7.36</u> | <u>5.67 mS/cm</u>     | <u>20.0 °C</u> | <u>clear</u> |
| <u>844</u> | <u>2.5</u> gal           | <u>7.38</u> | <u>5.61 mS/cm</u>     | <u>21.0 °C</u> | <u>clear</u> |
| ---        | gal                      | ---         | ---                   | ---            | ---          |
| ---        | gal                      | ---         | ---                   | ---            | ---          |

Sample Appearance: clear

Sample Collection - Time Start: 845 Time Finished: 845

Analyses: pH / CLO4 / CR / TDS                      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles    3 Bottles

Comments: removed bailer to read DTW

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2



# Water Sampling Field Log

Well No.: M-99

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cloudy cool

**Well Information:**

Total Well Depth: 316.50 feet Time: 853

Depth to Water: 28.07 feet

Well Diameter (circle one)  2-in.  4-in.  6-in.

Height of Water Column (L): 8.43 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.34 gal. \* 3 = 4 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp           | Observations |
|------------|--------------------------|-------------|-----------------------|----------------|--------------|
| <u>854</u> | ---                      | ---         | ---                   | ---            |              |
| <u>856</u> | <u>2</u> gal             | <u>7.23</u> | <u>7.24 mS/cm</u>     | <u>19.5 °C</u> | <u>clear</u> |
| <u>857</u> | <u>3</u> gal             | <u>7.17</u> | <u>7.33 mS/cm</u>     | <u>20.7 °C</u> | <u>clear</u> |
| <u>858</u> | <u>4</u> gal             | <u>7.14</u> | <u>7.39 mS/cm</u>     | <u>21.2 °C</u> | <u>clear</u> |
|            | gal                      |             |                       |                |              |
|            | gal                      |             |                       |                |              |
|            | gal                      |             |                       |                |              |

Sample Appearance: clear

Sample Collection - Time Start: 859 Time Finished: 859

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

Comments: removed bawler to reading DTW

# Water Sampling Field Log

Well No.: M-69

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cloudy, cool

**Well Information:**

Total Well Depth: 40.00 feet Time: 9:10

Depth to Water: 31.0 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.  
 Height of Water Column (L): 9.0 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.44 gal. \* 3 = 4 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time | Cumulative Volume Purged | pH   | Specific Conductivity | Temp    | Observations |
|------|--------------------------|------|-----------------------|---------|--------------|
| 9:12 | —                        | —    | —                     | —       | —            |
| 9:14 | 2 gal                    | 7.30 | 6.03 mS/cm            | 20.3 °C | clear        |
| 9:15 | 3 gal                    | 7.07 | 5.80 mS/cm            | 21.5 °C | clear        |
| 9:16 | 4 gal                    | 7.08 | 5.92 mS/cm            | 22.0 °C | clear        |
|      | gal                      |      |                       |         |              |
|      | gal                      |      |                       |         |              |
|      | gal                      |      |                       |         |              |

Sample Appearance: clear

Sample Collection - Time Start: 9:14 Time Finished: 9:17

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3 2 bottles TOTAL BOTTLES: 2

Comments: EB-1 taken here 3 bottles 9:21

# Water Sampling Field Log

Well No.: M-79

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cloudy, cool

**Well Information:**

Total Well Depth: 37.60 feet Time: 929

Depth to Water: 26.75 feet

Height of Water Column (L): 1085 feet \* 2-in. Well Diameter (circle one) \* 0.16 gal/ft \* 4-in. \* 0.65 gal/ft \* 8-in. \* 1.47 gal/ft = 1.73 gal. \* 3 = 5 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>939</u> | —                        | —           | —                     | —             | —            |
| <u>942</u> | <u>2 gal</u>             | <u>7.13</u> | <u>1.60 mS/cm</u>     | <u>18.6°C</u> | <u>clear</u> |
| <u>943</u> | <u>4 gal</u>             | <u>7.58</u> | <u>1.54 mS/cm</u>     | <u>19.6°C</u> | <u>clear</u> |
| <u>944</u> | <u>5 gal</u>             | <u>7.55</u> | <u>1.55 mS/cm</u>     | <u>20.0°C</u> | <u>clear</u> |
| —          | <u>gal</u>               | —           | —                     | —             | —            |
| —          | <u>gal</u>               | —           | —                     | —             | —            |
| —          | <u>gal</u>               | —           | —                     | —             | —            |

Sample Appearance: clear

Sample Collection - Time Start: 945 Time Finished: 945

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-25

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cloudy cool 49°F

**Well Information:**

Total Well Depth: 41.47 feet Time: 953

Depth to Water: 32.56 feet

Well Diameter (circle one)  
 2-in.  4-in.  6-in.

Height of Water Column (L): 8.91 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.42 gal. \* 3 = 4 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp           | Observations        |
|------------|--------------------------|-------------|-----------------------|----------------|---------------------|
| <u>955</u> | —                        | —           | —                     | —              | —                   |
| <u>957</u> | <u>2</u> gal             | <u>7.0</u>  | <u>11.00</u> mS/cm    | <u>21.2</u> °C | <u>light yellow</u> |
| <u>958</u> | <u>3</u> gal             | <u>6.97</u> | <u>10.14</u> mS/cm    | <u>21.9</u> °C | <u>light yellow</u> |
| <u>959</u> | <u>4</u> gal             | <u>6.97</u> | <u>10.61</u> mS/cm    | <u>22.3</u> °C | <u>light yellow</u> |
| _____      | gal                      | _____       | _____                 | _____          | _____               |
| _____      | gal                      | _____       | _____                 | _____          | _____               |
| _____      | gal                      | _____       | _____                 | _____          | _____               |

Sample Appearance: light yellow

Sample Collection - Time Start: 1000 Time Finished: 1000

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments: MD-4 taken here 2 bottles

# Water Sampling Field Log

Well No.: M-37

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cloudy, cool

**Well Information:**

Total Well Depth: 37.18 feet Time: 1008

Depth to Water: 31.34 feet

Well Diameter (circle one)  2-in.  4-in.  6-in.

Height of Water Column (L): 5.84 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 93 gal. \* 3 = 3 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations           |
|-------------|--------------------------|-------------|-----------------------|---------------|------------------------|
| <u>1009</u> | —                        | —           | —                     | —             | —                      |
| <u>1010</u> | <u>1 gal</u>             | <u>7.13</u> | <u>8.46 ms/cm</u>     | <u>20.5°C</u> | <u>slightly cloudy</u> |
| <u>1011</u> | <u>2 gal</u>             | <u>7.03</u> | <u>8.88 ms/cm</u>     | <u>21.4°C</u> | <u>clear</u>           |
| <u>1013</u> | <u>3 gal</u>             | <u>7.02</u> | <u>8.87 ms/cm</u>     | <u>22.4°C</u> | <u>clear</u>           |
| _____       | gal                      | _____       | _____                 | _____         | _____                  |
| _____       | gal                      | _____       | _____                 | _____         | _____                  |
| _____       | gal                      | _____       | _____                 | _____         | _____                  |

Sample Appearance: clear

Sample Collection - Time Start: 1014 Time Finished: 1014

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 3

Comments:

*avg EC reading  
8.89 ms/cm  
22.6°C*

# Water Sampling Field Log

Well No.: M-97

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool

**Well Information:**

Total Well Depth: 52.50 feet Time: 602

Depth to Water: 40.36 feet

Height of Water Column (L): 12.14 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.94 gal. \* 3 = 6 gal

Well Diameter (circle one)  
 2-in.  4-in.  6-in.

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>605</u> | —                        | —           | —                     | —             | —            |
| <u>610</u> | <u>2 gal</u>             | <u>7.35</u> | <u>488 mS/cm</u>      | <u>19.9°C</u> | <u>clear</u> |
| <u>613</u> | <u>4 gal</u>             | <u>7.28</u> | <u>491 mS/cm</u>      | <u>20.6°C</u> | <u>clear</u> |
| <u>616</u> | <u>6 gal</u>             | <u>7.31</u> | <u>496 mS/cm</u>      | <u>20.8°C</u> | <u>clear</u> |
| _____      | gal                      | _____       | _____                 | _____         | _____        |
| _____      | gal                      | _____       | _____                 | _____         | _____        |
| _____      | gal                      | _____       | _____                 | _____         | _____        |

Sample Appearance: clear

Sample Collection - Time Start: 617 Time Finished: 617

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-92

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method: Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool 47°F

**Well Information:**

Total Well Depth: 48.50 feet Time: 545

Depth to Water: 37.13 feet

Height of Water Column (L): 11.37 feet \* 2-in. 0.16 gal/ft \* 4-in. 0.65 gal/ft \* 6-in. 1.47 gal/ft = 1.8 gal. \* 3 = 5 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations           |
|------------|--------------------------|-------------|-----------------------|---------------|------------------------|
| <u>548</u> | —                        | —           | —                     | —             |                        |
| <u>550</u> | <u>2</u> gal             | <u>7.32</u> | <u>2.11 mS/cm</u>     | <u>19.0°C</u> | <u>slightly cloudy</u> |
| <u>552</u> | <u>4</u> gal             | <u>7.51</u> | <u>2.38 mS/cm</u>     | <u>20.0°C</u> | <u>clear</u>           |
| <u>553</u> | <u>5</u> gal             | <u>7.51</u> | <u>2.50 mS/cm</u>     | <u>20.9°C</u> | <u>clear</u>           |
| <u>554</u> | <u>6</u> gal             | <u>7.55</u> | <u>2.45 mS/cm</u>     | <u>21.5°C</u> | <u>clear</u>           |
|            | gal                      |             |                       |               |                        |
|            | gal                      |             |                       |               |                        |

Sample Appearance: clear

Sample Collection - Time Start: 556 Time Finished: 556

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-93

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool

**Well Information:**

Total Well Depth: 49.00 feet Time: 623

Depth to Water: 36.24 feet

Well Diameter (circle one)  2-in.  4-in.  6-in.

Well Volume (WV)  0.16 gal/ft  0.65 gal/ft  1.47 gal/ft

Height of Water Column (L): 12.76 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 2.04 gal. \* 3 = 6 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp           | Observations                |
|------------|--------------------------|-------------|-----------------------|----------------|-----------------------------|
| <u>625</u> | _____                    | _____       | _____                 | _____          | _____                       |
| <u>628</u> | <u>2</u> gal             | <u>7.55</u> | <u>3.89</u> mS/cm     | <u>19.3</u> °C | <u>cloudy</u>               |
| <u>630</u> | <u>4</u> gal             | <u>7.53</u> | <u>3.85</u> mS/cm     | <u>20.4</u> °C | <u>slightly cloudy</u>      |
| <u>632</u> | <u>6</u> gal             | <u>7.52</u> | <u>3.72</u> mS/cm     | <u>20.9</u> °C | <u>very slightly cloudy</u> |
| _____      | _____ gal                | _____       | _____                 | _____          | _____                       |
| _____      | _____ gal                | _____       | _____                 | _____          | _____                       |
| _____      | _____ gal                | _____       | _____                 | _____          | _____                       |

Sample Appearance: clear

Sample Collection - Time Start: 633 Time Finished: 633

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:



# Water Sampling Field Log

Well No.: M-10

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool

**Well Information:**

Total Well Depth: 69.45 feet Time: 6:49

Depth to Water: 49.64 feet

|                             |                   |                            |               |               |                     |              |                 |
|-----------------------------|-------------------|----------------------------|---------------|---------------|---------------------|--------------|-----------------|
| Height of Water Column (L): | <u>19.81</u> feet | Well Diameter (circle one) |               |               | Well Volume (WV)    | Purge Factor | Purge Volume    |
|                             |                   | 2-in.                      | 4-in.         | <u>6-in.</u>  |                     |              |                 |
|                             |                   | * 0.16 gal/ft              | * 0.65 gal/ft | * 1.47 gal/ft | = <u>29.12</u> gal. | * 3          | = <u>87</u> gal |

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp         | Observations           |
|-------------|--------------------------|-------------|-----------------------|--------------|------------------------|
| <u>7:02</u> | ---                      | ---         | ---                   | ---          | ---                    |
| <u>7:15</u> | <u>30</u> gal            | <u>7.18</u> | <u>3.90 mS/cm</u>     | <u>22.3°</u> | <u>slightly cloudy</u> |
| <u>7:31</u> | <u>60</u> gal            | <u>6.94</u> | <u>3.98 mS/cm</u>     | <u>20.6°</u> | <u>clear</u>           |
| <u>7:45</u> | <u>87</u> gal            | <u>7.09</u> | <u>3.99 mS/cm</u>     | <u>21.3°</u> | <u>clear</u>           |
|             | gal                      |             |                       |              |                        |
|             | gal                      |             |                       |              |                        |
|             | gal                      |             |                       |              |                        |

Sample Appearance: clear

Sample Collection - Time Start: 7:47 Time Finished: 7:47

Analyses: pH / CLO4 / CR / TDS      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles      3 Bottles

NO3 / CLO3  
2 bottles      TOTAL BOTTLES: 3

Comments: MD-1 taken here 3 btls extra cooler collected at this site also

# Water Sampling Field Log

Well No.: M-11

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: cloudy 51°F

**Well Information:**

Total Well Depth: 58.00 feet Time: 814

Depth to Water: 43.42 feet

|   |                            |               |               |                    |              |              |
|---|----------------------------|---------------|---------------|--------------------|--------------|--------------|
| Height of Water Column (L): <u>14.58</u> feet | Well Diameter (circle one) |               |               | Well Volume (WV)   | Purge Factor | Purge Volume |
|   | 2-in.                      | 4-in.         | <u>6-in</u>   |                    |              |              |
|   | * 0.16 gal/ft              | * 0.65 gal/ft | * 1.47 gal/ft | = <u>21.4</u> gal. | * <u>3</u>   | = <u>64</u>  |

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations              |
|------------|--------------------------|-------------|-----------------------|---------------|---------------------------|
| <u>816</u> | —                        | —           | —                     | —             | —                         |
| <u>826</u> | <u>22</u> gal            | <u>7.15</u> | <u>4.29 mS/cm</u>     | <u>22.4°C</u> | <u>Very slight yellow</u> |
| <u>836</u> | <u>42</u> gal            | <u>7.80</u> | <u>4.23 mS/cm</u>     | <u>22.9°C</u> | <u>same</u>               |
| <u>844</u> | <u>60</u> gal            | <u>7.19</u> | <u>4.25 mS/cm</u>     | <u>22.4°C</u> | <u>same</u>               |
|            | gal                      |             |                       |               |                           |
|            | gal                      |             |                       |               |                           |
|            | gal                      |             |                       |               |                           |

Sample Appearance: Very slight yellow

Sample Collection - Time Start: 845 Time Finished: 845

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 3

Comments:

# Water Sampling Field Log

Well No.: M-31A

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method: Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: COOL

**Well Information:**

Total Well Depth: 55.00 feet Time: 859

Depth to Water: 46.34 feet

Well Diameter (circle one)  2-in.  4-in.  6-in.

Well Volume (WV) Purge Factor Purge Volume  
 Height of Water Column (L): 8.66 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.38 gal. \* 3 = 4 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp         | Observations                 |
|------------|--------------------------|-------------|-----------------------|--------------|------------------------------|
| <u>904</u> | —                        | —           | —                     | —            | —                            |
| <u>906</u> | <u>2</u> gal             | <u>7.39</u> | <u>9.76 mS/cm</u>     | <u>21.2°</u> | <u>slightly light yellow</u> |
| <u>909</u> | <u>1</u> gal             | <u>7.21</u> | <u>9.91 mS/cm</u>     | <u>21.3°</u> | <u>clear light yellow</u>    |
| <u>911</u> | <u>1</u> gal             | <u>7.14</u> | <u>9.92 mS/cm</u>     | <u>21.6°</u> | <u>same</u>                  |
| —          | gal                      | —           | —                     | —            | —                            |
| —          | gal                      | —           | —                     | —            | —                            |
| —          | gal                      | —           | —                     | —            | —                            |

Sample Appearance: light yellow

Sample Collection - Time Start: 912 Time Finished: 912

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-32

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2" O

Weather Conditions: Warm 52°

**Well Information:**

Total Well Depth: 46.76 feet Time: 9:16

Depth to Water: \_\_\_\_\_ feet

Well Diameter (circle one)  
 2-in.  4-in.  6-in.

Height of Water Column (L): \_\_\_\_\_ feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = \_\_\_\_\_ gal. \* 3 = \_\_\_\_\_

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time  | Cumulative Volume Purged | pH                   | Specific Conductivity | Temp  | Observations |
|-------|--------------------------|----------------------|-----------------------|-------|--------------|
| _____ | _____ gal                | _____                | _____                 | _____ | _____        |
| _____ | _____ gal                | _____                | _____                 | _____ | _____        |
| _____ | _____ gal                | <b>DRY NO SAMPLE</b> |                       |       |              |
| _____ | _____ gal                | _____                | _____                 | _____ | _____        |
| _____ | _____ gal                | _____                | _____                 | _____ | _____        |
| _____ | _____ gal                | _____                | _____                 | _____ | _____        |

Sample Appearance: \_\_\_\_\_

Sample Collection - Time Start: \_\_\_\_\_ Time Finished: \_\_\_\_\_

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: \_\_\_\_\_

Comments:

# Water Sampling Field Log

Well No.: M-52

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: (WARM)

**Well Information:**

Total Well Depth: 47.38 feet Time: 920

Depth to Water: 40.91 feet

Height of Water Column (L): 6.47 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.03 gal. \* 3 = 3 gal

Well Diameter (circle one)  
 2-in.     4-in.     6-in.

Well Volume (WV)    Purge Factor    Purge Volume

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations              |
|------------|--------------------------|-------------|-----------------------|---------------|---------------------------|
| <u>921</u> | —                        | —           | —                     | —             | —                         |
| <u>923</u> | <u>1</u> gal             | <u>7.48</u> | <u>5.67 ms/cm</u>     | <u>17.4°C</u> | <u>very slight yellow</u> |
| <u>925</u> | <u>2</u> gal             | <u>7.32</u> | <u>7.66 ms/cm</u>     | <u>18.3°C</u> | <u>same</u>               |
| <u>926</u> | <u>3</u> gal             | <u>7.28</u> | <u>8.18 ms/cm</u>     | <u>20.8°C</u> | <u>same</u>               |
| <u>928</u> | <u>4</u> gal             | <u>7.28</u> | <u>8.36 ms/cm</u>     | <u>21.2°C</u> | <u>same</u>               |
| _____      | _____ gal                | _____       | _____                 | _____         | _____                     |
| _____      | _____ gal                | _____       | _____                 | _____         | _____                     |

Sample Appearance: very slightly yellow

Sample Collection - Time Start: 929 Time Finished: 929

Analyses: pH / CLO4 / CR / TDS      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles      3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-50

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: WARM

**Well Information:**

Total Well Depth: 62.15 feet Time: 936

Depth to Water: 46.67 feet

Well Diameter (circle one)  2-in.  4-in.  6-in

Well Volume (WV)  0.16 gal/ft  0.65 gal/ft  1.47 gal/ft = 2.47 gal. \* 3 = 7 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp           | Observations  |
|------------|--------------------------|-------------|-----------------------|----------------|---------------|
| <u>938</u> | ---                      | ---         | ---                   | ---            | ---           |
| <u>942</u> | <u>3</u> gal             | <u>7.29</u> | <u>13.26</u> ms/cm    | <u>19.3</u> °C | <u>yellow</u> |
| <u>944</u> | <u>2</u> gal             | <u>7.19</u> | <u>13.80</u> ms/cm    | <u>20.4</u> °C | <u>yellow</u> |
| <u>946</u> | <u>2</u> gal             | <u>7.17</u> | <u>13.78</u> ms/cm    | <u>20.8</u> °C | <u>yellow</u> |
| ---        | gal                      | ---         | ---                   | ---            | ---           |
| ---        | gal                      | ---         | ---                   | ---            | ---           |
| ---        | gal                      | ---         | ---                   | ---            | ---           |

Sample Appearance: yellow

Sample Collection - Time Start: 947 Time Finished: 947

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-34

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: WARM

**Well Information:**

Total Well Depth: 41.83 feet Time: 9:53

Depth to Water: 37.54 feet

Well Diameter (circle one)  2-in.  4-in.  6-in.

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 4.29 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = .68 gal. \* 3 = 2 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations  |
|------------|--------------------------|-------------|-----------------------|---------------|---------------|
| <u>955</u> | —                        | —           | —                     | —             | —             |
| <u>956</u> | <u>1</u> gal             | <u>7.17</u> | <u>11.03 mS/cm</u>    | <u>21.2°C</u> | <u>yellow</u> |
| <u>957</u> | <u>1.5</u> gal           | <u>7.10</u> | <u>11.5 mS/cm</u>     | <u>22.3°C</u> | <u>yellow</u> |
| <u>958</u> | <u>2</u> gal             | <u>7.08</u> | <u>11.63 mS/cm</u>    | <u>22.7°C</u> | <u>yellow</u> |
|            | gal                      |             |                       |               |               |
|            | gal                      |             |                       |               |               |
|            | gal                      |             |                       |               |               |

Sample Appearance: yellow

Sample Collection - Time Start: 1000 Time Finished: 1000

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-35

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: WNM

**Well Information:**

Total Well Depth: 42.33 feet Time: 1003

Depth to Water: 35.47 feet

Well Diameter (circle one)  2-in.  4-in.  6-in. Well Volume (WV) Purge Factor Purge Volume  
 Height of Water Column (L): 1.86 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.09 gal. \* 3 = 3 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp           | Observations        |
|-------------|--------------------------|-------------|-----------------------|----------------|---------------------|
| <u>1005</u> | ---                      | ---         | ---                   | ---            | ---                 |
| <u>1007</u> | <u>1</u> gal             | <u>7.14</u> | <u>8.63 mS/cm</u>     | <u>22.5 °C</u> | <u>light yellow</u> |
| <u>1008</u> | <u>2</u> gal             | <u>7.04</u> | <u>9.01 mS/cm</u>     | <u>24.0 °C</u> | <u>light yellow</u> |
| <u>1009</u> | <u>3</u> gal             | <u>7.03</u> | <u>9.41 mS/cm</u>     | <u>24.3 °C</u> | <u>light yellow</u> |
|             | gal                      |             |                       |                |                     |
|             | gal                      |             |                       |                |                     |
|             | gal                      |             |                       |                |                     |

Sample Appearance: light yellow

Sample Collection - Time Start: 1010 Time Finished: 1010

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:



# Water Sampling Field Log

Well No.: M-19

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: Warm

**Well Information:**

Total Well Depth: 46.20 feet Time: 1016

Depth to Water: 33.54 feet

Well Diameter (circle one)  2-in.  4-in.  6-in. Well Volume (WV) Purge Factor Purge Volume  
 Height of Water Column (L): 7.66 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.22 gal. \* 3 = 4 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|-------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>1018</u> | —                        | —           | —                     | —             | —            |
| <u>1020</u> | <u>2 gal</u>             | <u>7.51</u> | <u>4.28 ms/cm</u>     | <u>21.1°c</u> | <u>clear</u> |
| <u>1021</u> | <u>3 gal</u>             | <u>7.41</u> | <u>5.14 ms/cm</u>     | <u>21.6°c</u> | <u>clear</u> |
| <u>1022</u> | <u>4 gal</u>             | <u>7.37</u> | <u>5.28 ms/cm</u>     | <u>21.4°c</u> | <u>clear</u> |
| <u>1023</u> | <u>5 gal</u>             | <u>7.36</u> | <u>5.48 ms/cm</u>     | <u>21.6°c</u> | <u>clear</u> |
|             | gal                      |             |                       |               |              |
|             | gal                      |             |                       |               |              |

Sample Appearance: clear

Sample Collection - Time Start: 1024 Time Finished: 1024

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

Removed  
bailer  
for STD  
reading

# Water Sampling Field Log

Well No.: M-39

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method: Electric Pump @ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: WARM

**Well Information:**

Total Well Depth: 42.60 feet Time: 1032

Depth to Water: 31.28 feet

Well Diameter (circle one) 2-in. 4-in. 8-in. Well Volume (WV) Purge Factor Purge Volume  
 Height of Water Column (L): 11.32 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.81 gal. \* 3 = 5 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp           | Observations               |
|-------------|--------------------------|-------------|-----------------------|----------------|----------------------------|
| <u>1034</u> | —                        | —           | —                     | —              | —                          |
| <u>1037</u> | <u>2</u> gal             | <u>7.26</u> | <u>7.32</u> mS/cm     | <u>22.4</u> °C | <u>slight yellow tinge</u> |
| <u>1039</u> | <u>4</u> gal             | <u>7.10</u> | <u>7.50</u> mS/cm     | <u>22.7</u> °C | <u>same</u>                |
| <u>1040</u> | <u>5</u> gal             | <u>7.08</u> | <u>7.46</u> mS/cm     | <u>23.1</u> °C | <u>same</u>                |
| _____       | gal                      | _____       | _____                 | _____          | _____                      |
| _____       | gal                      | _____       | _____                 | _____          | _____                      |
| _____       | gal                      | _____       | _____                 | _____          | _____                      |

Sample Appearance: slight yellow tinge

Sample Collection - Time Start: 1041 Time Finished: 1041

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

Comments: EB-2 taken here 3 bottles 1045

# Water Sampling Field Log

Well No.: M-68

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: Windy

**Well Information:**

Total Well Depth: 41.00 feet Time: 1048

Depth to Water: 23.73 feet

Well Diameter (circle one)  
 2-in.  4-in.  8-in.

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 17.27 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 2.76 gal. \* 3 = 8 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|-------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>1050</u> | —                        | —           | —                     | —             | —            |
| <u>1053</u> | <u>3 gal</u>             | <u>7.28</u> | <u>6.74 mS/cm</u>     | <u>22.8°C</u> | <u>clear</u> |
| <u>1055</u> | <u>6 gal</u>             | <u>7.25</u> | <u>6.84 mS/cm</u>     | <u>23.3°C</u> | <u>clear</u> |
| <u>1056</u> | <u>8 gal</u>             | <u>7.19</u> | <u>6.93 mS/cm</u>     | <u>23.4°C</u> | <u>clear</u> |
| —           | gal                      | —           | —                     | —             | —            |
| —           | gal                      | —           | —                     | —             | —            |
| —           | gal                      | —           | —                     | —             | —            |

Sample Appearance: clear

Sample Collection - Time Start: 1057 Time Finished: 1057

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-61

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: Warm

**Well Information:**

Total Well Depth: 41.00 feet Time: 1103

Depth to Water: 24.00 feet

Well Diameter (circle one)  2-in.  4-in.  6-in.

Well Volume (WV)  2-in.  4-in.  6-in.

Purge Factor  1  2  3

Purge Volume

Height of Water Column (L): 17.00 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 2.72 gal. \* 3 = 8.16 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time         | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|--------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>11:04</u> | —                        | —           | —                     | —             | —            |
| <u>11:07</u> | <u>3 gal</u>             | <u>7.31</u> | <u>6.16 mS/cm</u>     | <u>22.4°C</u> | <u>Clear</u> |
| <u>11:09</u> | <u>6 gal</u>             | <u>7.24</u> | <u>6.00 mS/cm</u>     | <u>22.6°C</u> | <u>Clear</u> |
| <u>11:11</u> | <u>8 gal</u>             | <u>7.26</u> | <u>6.01 mS/cm</u>     | <u>23.2°C</u> | <u>Clear</u> |
| —            | gal                      | —           | —                     | —             | —            |
| —            | gal                      | —           | —                     | —             | —            |
| —            | gal                      | —           | —                     | —             | —            |

Sample Appearance: Clear

Sample Collection - Time Start: 1152 Time Finished: 1112

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-67

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2" O

Weather Conditions: Warm

**Well Information:**

Total Well Depth: 38.00 feet Time: 11:31

Depth to Water: 21.43 feet

Well Diameter (circle one)  2-in.  4-in.  6-in. Well Volume (VV) Purge Factor Purge Volume  
 Height of Water Column (L): 16.57 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 2.65 gal. \* 3 = 8 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time         | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations         |
|--------------|--------------------------|-------------|-----------------------|---------------|----------------------|
| <u>11:32</u> | ---                      | ---         | ---                   | ---           | ---                  |
| <u>11:34</u> | <u>3 gal</u>             | <u>7.18</u> | <u>7.98 mS/cm</u>     | <u>23.9°C</u> | <u>slight yellow</u> |
| <u>11:38</u> | <u>6 gal</u>             | <u>7.09</u> | <u>7.91 mS/cm</u>     | <u>24.5°C</u> | <u>same</u>          |
| <u>11:39</u> | <u>8 gal</u>             | <u>7.08</u> | <u>7.97 mS/cm</u>     | <u>24.3°C</u> | <u>same</u>          |
| _____        | gal                      | _____       | _____                 | _____         | _____                |
| _____        | gal                      | _____       | _____                 | _____         | _____                |
| _____        | gal                      | _____       | _____                 | _____         | _____                |

Sample Appearance: slight yellow

Sample Collection - Time Start: 11:40 Time Finished: 11:40

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3 2 bottles TOTAL BOTTLES: 2

Comments: Dup EC reading 7.95 mS/cm 24.5°C

# Water Sampling Field Log

Well No.: m-74

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool 39°F

**Well Information:**

Total Well Depth: 39.00 feet Time: 5:47

Depth to Water: 27.16 feet

Well Diameter (circle one)  2-in.  4-in.  6-in.

Well Volume (WV)  0.16 gal/ft  0.65 gal/ft  1.47 gal/ft = 1.89 gal. \* 3 = 6 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>551</u> | —                        | —           | —                     | —             | —            |
| <u>555</u> | <u>2</u> gal             | <u>7.12</u> | <u>7.64 mS/cm</u>     | <u>21.1°C</u> | <u>clear</u> |
| <u>600</u> | <u>4</u> gal             | <u>7.33</u> | <u>7.52 mS/cm</u>     | <u>21.1°C</u> | <u>clear</u> |
| <u>602</u> | <u>6</u> gal             | <u>7.26</u> | <u>7.64 mS/cm</u>     | <u>20.8°C</u> | <u>clear</u> |
|            | gal                      |             |                       |               |              |
|            | gal                      |             |                       |               |              |
|            | gal                      |             |                       |               |              |

Sample Appearance: clear

Sample Collection - Time Start: 605 Time Finished: 605

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-73

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-09

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2" O

Weather Conditions: cool

**Well Information:**

Total Well Depth: 36.00 feet Time: 6:09

Depth to Water: 28.62 feet

Height of Water Column (L): 7.38 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.18 gal. \* 3 = 4 gal

Well Diameter (circle one)  
 2-in.     4-in.     6-in.

Well Volume (VV)    Purge Factor    Purge Volume

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp         | Observations           |
|-------------|--------------------------|-------------|-----------------------|--------------|------------------------|
| <u>6:14</u> | <u>—</u>                 | <u>—</u>    | <u>—</u>              | <u>—</u>     |                        |
| <u>6:16</u> | <u>2 gal</u>             | <u>7.59</u> | <u>3.37 ms/cm</u>     | <u>20.4°</u> | <u>cloudy</u>          |
| <u>6:20</u> | <u>3 gal</u>             | <u>7.69</u> | <u>3.62 ms/cm</u>     | <u>18.9°</u> | <u>cloudy</u>          |
| <u>6:33</u> | <u>4 gal</u>             | <u>7.59</u> | <u>4.45 ms/cm</u>     | <u>18.0°</u> | <u>slightly cloudy</u> |
| <u>6:36</u> | <u>4.5 gal</u>           | <u>7.52</u> | <u>4.55 ms/cm</u>     | <u>18.9°</u> | <u>clear</u>           |
|             | <u>gal</u>               |             |                       |              |                        |
|             | <u>gal</u>               |             |                       |              |                        |

Sample Appearance: clear

Sample Collection - Time Start: 6:38 Time Finished: 6:38

Analyses: pH / CLO4 / CR / TDS                      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles    3 Bottles

NO3 / CLO3  
2 bottles    **TOTAL BOTTLES:** \_\_\_\_\_

Comments: Well purges dry

# Water Sampling Field Log

Well No.: M-18

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool

**Well Information:**

Total Well Depth: 29.80 feet Time: 641

Depth to Water: 28.41 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.  
 Height of Water Column (L): 1.39 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = gal. \* 3 =

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time  | Cumulative Volume Purged | pH    | Specific Conductivity | Temp  | Observations        |
|-------|--------------------------|-------|-----------------------|-------|---------------------|
| _____ | _____ gal                | _____ | _____                 | _____ | _____               |
| _____ | _____ gal                | _____ | _____                 | _____ | Well considered dry |
| _____ | _____ gal                | _____ | _____                 | _____ | NO SAMPLE           |
| _____ | _____ gal                | _____ | _____                 | _____ | _____               |
| _____ | _____ gal                | _____ | _____                 | _____ | _____               |
| _____ | _____ gal                | _____ | _____                 | _____ | _____               |

Sample Appearance: \_\_\_\_\_

Sample Collection - Time Start: \_\_\_\_\_ Time Finished: \_\_\_\_\_

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

Comments: *removed bailer do need DTW*



# Water Sampling Field Log

Well No.: M-88

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool

**Well Information:**

Total Well Depth: 39.00 feet Time: 645

Depth to Water: 30.63 feet

Well Diameter (circle one)  
 2-in.  4-in.  6-in.

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 8.37 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.3 gal. \* 3 = 4 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>647</u> | ---                      | ---         | ---                   | ---           | ---          |
| <u>654</u> | <u>2</u> gal             | <u>7.44</u> | <u>8.60 ms/cm</u>     | <u>18.2°C</u> | <u>clear</u> |
| <u>655</u> | <u>3</u> gal             | <u>7.34</u> | <u>8.53 ms/cm</u>     | <u>20.1°C</u> | <u>clear</u> |
| <u>656</u> | <u>4</u> gal             | <u>7.33</u> | <u>8.50 ms/cm</u>     | <u>20.7°C</u> | <u>clear</u> |
|            | gal                      |             |                       |               |              |
|            | gal                      |             |                       |               |              |
|            | gal                      |             |                       |               |              |

Sample Appearance: clear

Sample Collection - Time Start: 657 Time Finished: 657

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-87

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool

**Well Information:**

Total Well Depth: 41.00 feet Time: 707

Depth to Water: 34.164 feet

|  | Well Diameter (circle one)   | Well Volume (VV) | Purge Factor | Purge Volume |
|--|--|------------------|--------------|--------------|
|  | <input checked="" type="radio"/> 2-in. <input type="radio"/> 4-in. <input type="radio"/> 6-in. |                  |              |              |
| Height of Water Column (L): <u>6.36</u> feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = |  | <u>1.01</u> gal. | * 3 =        | <u>3 gal</u> |

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>710</u> | ---                      | ---         | ---                   | ---           |              |
| <u>711</u> | <u>1</u> gal             | <u>7.69</u> | <u>2.55 mS/cm</u>     | <u>16.0°C</u> | <u>clear</u> |
| <u>712</u> | <u>2</u> gal             | <u>7.66</u> | <u>2.23 mS/cm</u>     | <u>18.2°C</u> | <u>clear</u> |
| <u>713</u> | <u>3</u> gal             | <u>7.61</u> | <u>2.29 mS/cm</u>     | <u>18.8°C</u> | <u>clear</u> |
| <u>714</u> | <u>4</u> gal             | <u>7.57</u> | <u>2.38 mS/cm</u>     | <u>19.8°C</u> | <u>clear</u> |
|            | gal                      |             |                       |               |              |
|            | gal                      |             |                       |               |              |

Sample Appearance: clear

Sample Collection - Time Start: 715 Time Finished: 715

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-102

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2" O

Weather Conditions: cool

**Well Information:**

Total Well Depth: 43.50 feet Time: 7:20

Depth to Water: 37.76 feet

Height of Water Column (L): 5.74 feet

|  |       |       |   |   |        |
|--|-------|-------|---|---|--------|
| Well Diameter (circle one)   |       |       | Well  | Purge                                       | Purge  |
| 2-in.  | 4-in. | 8-in. | Volume (WV)   | Factor                                      | Volume |
| <input checked="" type="radio"/> 2-in. <input type="radio"/> 4-in. <input type="radio"/> 8-in. |       |       | $0.16 \text{ gal/ft}$ $0.65 \text{ gal/ft}$ $1.47 \text{ gal/ft}$ | $= 91 \text{ gal.} \cdot 3 = 3 \text{ gal}$ |        |

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations             |
|-------------|--------------------------|-------------|-----------------------|---------------|--------------------------|
| <u>7:22</u> | ---                      | ---         | ---                   | ---           |                          |
| <u>7:23</u> | <u>1 gal</u>             | <u>7.83</u> | <u>2.31 mS/cm</u>     | <u>17.1°C</u> | <u>cloudy</u>            |
| <u>7:24</u> | <u>2 gal</u>             | <u>7.77</u> | <u>2.31 mS/cm</u>     | <u>19.6°C</u> | <u>slightly cloudy</u>   |
| <u>7:25</u> | <u>3 gal</u>             | <u>7.75</u> | <u>2.34 mS/cm</u>     | <u>20.9°C</u> | <u>very slight cloud</u> |
|             | <u>gal</u>               |             |                       |               |                          |
|             | <u>gal</u>               |             |                       |               |                          |
|             | <u>gal</u>               |             |                       |               |                          |

Sample Appearance: clear

Sample Collection - Time Start: 7:26 Time Finished: 7:26

Analyses: pH / CLO4 / CR / TDS      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles      3 Bottles

NO3 / CLO3  
2 bottles      TOTAL BOTTLES: 2

Comments: Removed bailer do need DTW

# Water Sampling Field Log

Well No.: M-101

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool

**Well Information:**

Total Well Depth: 31.20 feet Time: 132

Depth to Water: 28.55 feet

Height of Water Column (L): 2.65 feet \* 2-in. Well Diameter (circle one) \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = .42 gal. \* 3 = 1.27 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations                |
|------------|--------------------------|-------------|-----------------------|---------------|-----------------------------|
| <u>734</u> | —                        | —           | —                     | —             | —                           |
| <u>737</u> | <u>0.5</u> gal           | <u>7.90</u> | <u>4.52 mS/cm</u>     | <u>13.9°C</u> | <u>very slightly cloudy</u> |
| <u>742</u> | <u>1</u> gal             | <u>7.83</u> | <u>4.45 mS/cm</u>     | <u>13.5°C</u> | <u>clear</u>                |
| <u>743</u> | <u>1.5</u> gal           | <u>7.79</u> | <u>4.56 mS/cm</u>     | <u>13.7°C</u> | <u>clear</u>                |
| —          | gal                      | —           | —                     | —             | —                           |
| —          | gal                      | —           | —                     | —             | —                           |
| —          | gal                      | —           | —                     | —             | —                           |

Sample Appearance: clear

Sample Collection - Time Start: 744 Time Finished: 749

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

Comments: Removed bailer to near DTW  
well purges dry

# Water Sampling Field Log

Well No.: M-86

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: COOL

**Well Information:**

Total Well Depth: 43.00 feet Time: 806

Depth to Water: 30.00 feet

Well Diameter (circle one) Well Volume (VV) Purge Factor Purge Volume

2-in.  4-in.  6-in.

Height of Water Column (L): 13.0 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 208 gal. \* 3 = 624 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp           | Observations |
|------------|--------------------------|-------------|-----------------------|----------------|--------------|
| <u>808</u> | —                        | —           | —                     | —              | —            |
| <u>809</u> | <u>2</u> gal             | <u>7.49</u> | <u>4.09</u> mS/cm     | <u>18.7</u> °C | <u>clear</u> |
| <u>811</u> | <u>4</u> gal             | <u>7.38</u> | <u>4.14</u> mS/cm     | <u>19.4</u> °C | <u>clear</u> |
| <u>813</u> | <u>6</u> gal             | <u>7.35</u> | <u>4.27</u> mS/cm     | <u>20.2</u> °C | <u>clear</u> |
|            | gal                      |             |                       |                |              |
|            | gal                      |             |                       |                |              |
|            | gal                      |             |                       |                |              |

Sample Appearance: clear

Sample Collection - Time Start: 814 Time Finished: 814

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-81A

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: Cool

**Well Information:**

Total Well Depth: 41.60 feet Time: 809

Depth to Water: 28.71 feet

Well Diameter (circle one)  2-in.  4-in.  8-in. Well Volume (WV) \_\_\_\_\_ Purge Factor 3 Purge Volume \_\_\_\_\_

Height of Water Column (L): 12.29 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = \_\_\_\_\_ gal. \* 3 = \_\_\_\_\_

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time  | Cumulative Volume Purged | pH    | Specific Conductivity | Temp  | Observations |
|-------|--------------------------|-------|-----------------------|-------|--------------|
| _____ | _____ gal                | _____ | _____                 | _____ | _____        |
| _____ | _____ gal                | _____ | _____                 | _____ | DTW ONLY     |
| _____ | _____ gal                | _____ | _____                 | _____ | NO SAMPLE    |
| _____ | _____ gal                | _____ | _____                 | _____ | _____        |
| _____ | _____ gal                | _____ | _____                 | _____ | _____        |
| _____ | _____ gal                | _____ | _____                 | _____ | _____        |

Sample Appearance: \_\_\_\_\_

Sample Collection - Time Start: \_\_\_\_\_ Time Finished: \_\_\_\_\_

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 5

Comments:

# Water Sampling Field Log

Well No.: M-85

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool

**Well Information:**

Total Well Depth: 38.87 feet Time: 817

Depth to Water: 25.78 feet

Height of Water Column (L): 13.09 feet \* 2-in Well Diameter (circle one) \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 2.09 gal. \* 3 = 6.27 gal

Well Volume (WV)      Purge Factor      Purge Volume  
4-in.      6-in.

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp         | Observations |
|------------|--------------------------|-------------|-----------------------|--------------|--------------|
| <u>818</u> | ---                      | ---         | ---                   | ---          | ---          |
| <u>820</u> | <u>2</u> gal             | <u>7.85</u> | <u>1.23</u> mS/cm     | <u>18.9°</u> | <u>clear</u> |
| <u>821</u> | <u>4</u> gal             | <u>7.78</u> | <u>1.26</u> mS/cm     | <u>19.9°</u> | <u>clear</u> |
| <u>822</u> | <u>6</u> gal             | <u>7.73</u> | <u>1.28</u> mS/cm     | <u>19.7°</u> | <u>clear</u> |
|            | gal                      |             |                       |              |              |
|            | gal                      |             |                       |              |              |
|            | gal                      |             |                       |              |              |

Sample Appearance: clear

Sample Collection - Time Start: 824 Time Finished: 824

Analyses: pH / CLO4 / CR / TDS      pH / CLO4 / CR6 / TDS / CR  
Bottles: 2 Bottles      3 Bottles

NO3 / CLO3  
2 bottles      TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-83

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool

**Well Information:**

Total Well Depth: 42.50 feet Time: 843

Depth to Water: 24.18 feet

Well Diameter (circle one)  2-in.  4-in.  6-in

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 18.32 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 2.9 gal. \* 3 = 9 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp           | Observations |
|-------------|--------------------------|-------------|-----------------------|----------------|--------------|
| <u>844</u>  | —                        | —           | —                     | —              | —            |
| <u>847</u>  | <u>3</u> gal             | <u>7.64</u> | <u>176</u> mS/cm      | <u>17.6</u> °C | <u>clear</u> |
| <u>849</u>  | <u>6</u> gal             | <u>7.56</u> | <u>172</u> mS/cm      | <u>17.9</u> °C | <u>clear</u> |
| <u>8:52</u> | <u>9</u> gal             | <u>7.57</u> | <u>175</u> mS/cm      | <u>18.5</u> °C | <u>clear</u> |
| —           | gal                      | —           | —                     | —              | —            |
| —           | gal                      | —           | —                     | —              | —            |
| —           | gal                      | —           | —                     | —              | —            |

Sample Appearance: clear

Sample Collection - Time Start: 853 Time Finished: 853

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 2

Comments:



# Water Sampling Field Log

Well No.: M-80

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: 0606

**Well Information:**

Total Well Depth: 43.10 feet Time: 835

Depth to Water: 21.31 feet

Well Diameter (circle one) Well Purge Purge  
2-in. 4-in. 6-in Volume (VV) Factor Volume

Height of Water Column (L): 16.39 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = gal. \* 3 = \_\_\_\_\_

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time  | Cumulative Volume Purged | pH    | Specific Conductivity | Temp  | Observations |
|-------|--------------------------|-------|-----------------------|-------|--------------|
| _____ | _____ gal                | _____ | _____                 | _____ | _____        |
| _____ | _____ gal                | _____ | _____                 | _____ | DTW ONLY     |
| _____ | _____ gal                | _____ | _____                 | _____ | NO SAMPLE    |
| _____ | _____ gal                | _____ | _____                 | _____ | _____        |
| _____ | _____ gal                | _____ | _____                 | _____ | _____        |
| _____ | _____ gal                | _____ | _____                 | _____ | _____        |

Sample Appearance: \_\_\_\_\_

Sample Collection - Time Start: \_\_\_\_\_ Time Finished: \_\_\_\_\_

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 8

Comments: \_\_\_\_\_

# Water Sampling Field Log

Well No.: M-70

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool 45°F

**Well Information:**

Total Well Depth: 41.00 feet Time: 908

Depth to Water: 28.57 feet

Well Diameter (circle one)  2-in.  4-in.  6-in.

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 12.43 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.98 gal. \* 3 = 6 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations                    |
|------------|--------------------------|-------------|-----------------------|---------------|---------------------------------|
| <u>909</u> | —                        | —           | —                     | —             | —                               |
| <u>912</u> | <u>2</u> gal             | <u>7.16</u> | <u>8.90 mS/cm</u>     | <u>20.4°C</u> | <u>Very slight yellow tinge</u> |
| <u>913</u> | <u>4</u> gal             | <u>7.09</u> | <u>8.57 mS/cm</u>     | <u>21.7°C</u> | <u>same</u>                     |
| <u>914</u> | <u>6</u> gal             | <u>7.10</u> | <u>8.89 mS/cm</u>     | <u>22.3°C</u> | <u>same</u>                     |
|            | gal                      |             |                       |               |                                 |
|            | gal                      |             |                       |               |                                 |
|            | gal                      |             |                       |               |                                 |

Sample Appearance: Very slight yellow tinge

Sample Collection - Time Start: 916 Time Finished: 916

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-71

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: 100%

**Well Information:**

Total Well Depth: 43.00 feet Time: 920

Depth to Water: 28.42 feet

Well Diameter (circle one)  2-in.  4-in.  6-in. Well Volume (WV)  Purge Factor  Purge Volume

Height of Water Column (L): 13.58 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 217 gal. \* 3 = 7 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp         | Observations               |
|------------|--------------------------|-------------|-----------------------|--------------|----------------------------|
| <u>923</u> | ---                      | ---         | ---                   | ---          |                            |
| <u>924</u> | <u>3</u> gal             | <u>7.11</u> | <u>8.09 ms/cm</u>     | <u>21.4°</u> | <u>slight yellow tinge</u> |
| <u>929</u> | <u>2</u> gal             | <u>7.09</u> | <u>8.33 ms/cm</u>     | <u>21.2°</u> | <u>same</u>                |
| <u>930</u> | <u>2</u> gal             | <u>7.10</u> | <u>8.17 ms/cm</u>     | <u>21.8°</u> | <u>same</u>                |
|            | gal                      |             |                       |              |                            |
|            | gal                      |             |                       |              |                            |
|            | gal                      |             |                       |              |                            |

Sample Appearance: very slight yellow tinge

Sample Collection - Time Start: 931 Time Finished: 931

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-72

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: COOL 46°F

**Well Information:**

Total Well Depth: 36.00 feet Time: 936

Depth to Water: 31.50 feet

Well Diameter (circle one)  
 2-in.     4-in.     6-in.

Height of Water Column (L): 4.50 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = .12 gal \* 3 = 2 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time | Cumulative Volume Purged | pH   | Specific Conductivity | Temp   | Observations             |
|------|--------------------------|------|-----------------------|--------|--------------------------|
| 938  | ---                      | ---  | ---                   | ---    |                          |
| 939  | 1 gal                    | 7.20 | 7.63 mS/cm            | 18.4°C | Very slight yellow tinge |
| 940  | 1.5 gal                  | 7.13 | 9.27 mS/cm            | 19.8°C | Same                     |
| 943  | 2 gal                    | 7.19 | 9.93 mS/cm            | 19.6°C | Same                     |
| 949  | 3.5 gal                  | 7.29 | 9.63 mS/cm            | 18.7°C | Same                     |
|      | gal                      |      |                       |        |                          |
|      | gal                      |      |                       |        |                          |

Sample Appearance: very slight yellow tinge

Sample Collection - Time Start: 950 Time Finished: 958

Analyses: pH / CLO4 / CR / TDS                      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles                                      3 Bottles

NO3 / CLO3  
2 bottles                                      **TOTAL BOTTLES: 2**

Comments: Well purges dry

# Water Sampling Field Log

Well No.: M-22A

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2" O

Weather Conditions: cool

**Well Information:**

Total Well Depth: 36.92 feet Time: 1002

Depth to Water: 30.07 feet

Height of Water Column (L): 6.85 feet \* 2-in. Well Diameter (circle one) \* 0.16 gal/ft \* 4-in. \* 0.65 gal/ft \* 6-in. \* 1.47 gal/ft = 1.09 gal. \* 3 = 3 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp           | Observations  |
|-------------|--------------------------|-------------|-----------------------|----------------|---------------|
| <u>1004</u> | —                        | —           | —                     | —              |               |
| <u>1007</u> | <u>1</u> gal             | <u>7.14</u> | <u>15.22 mS/cm</u>    | <u>20.2 °C</u> | <u>yellow</u> |
| <u>1009</u> | <u>2</u> gal             | <u>7.11</u> | <u>14.77 mS/cm</u>    | <u>21.3 °C</u> | <u>yellow</u> |
| <u>1010</u> | <u>3</u> gal             | <u>7.08</u> | <u>15.54 mS/cm</u>    | <u>22.1 °C</u> | <u>yellow</u> |
|             | gal                      |             |                       |                |               |
|             | gal                      |             |                       |                |               |
|             | gal                      |             |                       |                |               |

Sample Appearance: yellow

Sample Collection - Time Start: 1011 Time Finished: 1011

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-38

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: \_\_\_\_\_

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2" O

Weather Conditions: warm

**Well Information:**

Total Well Depth: 36.82 feet Time: 1022

Depth to Water: 31.03 feet

Height of Water Column (L): 5.79 feet

|  |       |      |                    |            |                |
|--|-------|------|--------------------|------------|----------------|
| Well Diameter (circle one)   |       |      | Well               | Purge      | Purge          |
| 2-in   | 4-in. | 6-in | Volume (WV)        | Factor     | Volume         |
| <input checked="" type="radio"/> 2-in <input type="radio"/> 4-in. <input type="radio"/> 6-in |       |      | = <u>1.92</u> gal. | * <u>3</u> | = <u>3 gal</u> |

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative<br>Volume<br>Purged | pH          | Specific<br>Conductivity | Temp            | Observations  |
|-------------|--------------------------------|-------------|--------------------------|-----------------|---------------|
| <u>1023</u> | —                              | —           | —                        | —               |               |
| <u>1024</u> | <u>1</u> gal                   | <u>7.17</u> | <u>14.52</u> ms/cm       | <u>21.8</u> °C  | <u>yellow</u> |
| <u>1030</u> | <u>2</u> gal                   | <u>7.21</u> | <u>14.57</u> ms/cm       | <u>22.1</u> °C  | <u>yellow</u> |
| <u>1034</u> | <u>3</u> gal                   | <u>7.15</u> | <u>14.46</u> ms/cm       | <u>22.16</u> °C | <u>yellow</u> |
|             | gal                            |             |                          |                 |               |
|             | gal                            |             |                          |                 |               |
|             | gal                            |             |                          |                 |               |

Sample Appearance: \_\_\_\_\_

Sample Collection - Time Start: 1039 Time Finished: 1039

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-89

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: 48° warm

**Well Information:**

Total Well Depth: 39.00 feet Time: 1048

Depth to Water: 33.23 feet

Well Diameter (circle one)  2-in.  4-in.  6-in.

Height of Water Column (L): 5.77 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 0.92 gal. \* 3 = 3 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp         | Observations  |
|-------------|--------------------------|-------------|-----------------------|--------------|---------------|
| <u>1052</u> | —                        | —           | —                     | —            | —             |
| <u>1054</u> | <u>1 gal</u>             | <u>7.12</u> | <u>13.95 ms/cm</u>    | <u>21.4°</u> | <u>yellow</u> |
| <u>1056</u> | <u>2 gal</u>             | <u>7.05</u> | <u>13.99 ms/cm</u>    | <u>22.1°</u> | <u>yellow</u> |
| <u>1057</u> | <u>3 gal</u>             | <u>7.03</u> | <u>13.88 ms/cm</u>    | <u>22.4°</u> | <u>yellow</u> |
|             | <u>gal</u>               |             |                       |              |               |
|             | <u>gal</u>               |             |                       |              |               |
|             | <u>gal</u>               |             |                       |              |               |

Sample Appearance: yellow

Sample Collection - Time Start: 1058 Time Finished: 1058

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-12A

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: 51°F

**Well Information:**

Total Well Depth: 50.00 feet Time: 1114

Depth to Water: 41.43 feet

Height of Water Column (L): 8.47 feet

Well Diameter (circle one)  
 2-in.  4-in.  6-in.

Well Volume (WV) = 1.35 gal. \* Purge Factor 3 = Purge Volume 4 gal

\* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp         | Observations          |
|-------------|--------------------------|-------------|-----------------------|--------------|-----------------------|
| <u>1116</u> | —                        | —           | —                     | —            |                       |
| <u>1118</u> | <u>2</u> gal             | <u>7.88</u> | <u>9.12</u> mS/cm     | <u>19.4°</u> | <u>yellow</u>         |
| <u>1120</u> | <u>3</u> gal             | <u>7.86</u> | <u>8.43</u> mS/cm     | <u>20.7°</u> | <u>yellow</u>         |
| <u>1121</u> | <u>4</u> gal             | <u>7.81</u> | <u>8.91</u> mS/cm     | <u>20.9°</u> | <u>yellow (light)</u> |
|             | gal                      |             |                       |              |                       |
|             | gal                      |             |                       |              |                       |
|             | gal                      |             |                       |              |                       |

Sample Appearance: light yellow

Sample Collection - Time Start: 1122 Time Finished: 1122

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 3

Comments:



# Water Sampling Field Log

Well No.: M-36

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump O  Dedicated Bailer O  Non Dedicated Bailer  Ready Flo 2" O

Weather Conditions: Warm

**Well Information:**

Total Well Depth: 37.85 feet Time: 1126

Depth to Water: 31.95 feet

Height of Water Column (L): 5.90 feet \* 2-in. Well Diameter (circle one) \* 0.16 gal/ft \* 4-in. \* 0.65 gal/ft \* 6-in. \* 1.47 gal/ft = .94 gal. \* 3 = 3 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp           | Observations  |
|-------------|--------------------------|-------------|-----------------------|----------------|---------------|
| <u>1126</u> | —                        | —           | —                     | —              | —             |
| <u>1130</u> | <u>1</u> gal             | <u>7.06</u> | <u>16.48 ms/cm</u>    | <u>22.2 °C</u> | <u>yellow</u> |
| <u>1135</u> | <u>2</u> gal             | <u>7.02</u> | <u>16.56 ms/cm</u>    | <u>22.8 °C</u> | <u>yellow</u> |
| <u>1136</u> | <u>3</u> gal             | <u>7.16</u> | <u>16.31 ms/cm</u>    | <u>22.6 °C</u> | <u>yellow</u> |
| _____       | _____ gal                | _____       | _____                 | _____          | _____         |
| _____       | _____ gal                | _____       | _____                 | _____          | _____         |
| _____       | _____ gal                | _____       | _____                 | _____          | _____         |

Sample Appearance: \_\_\_\_\_

Sample Collection - Time Start: 1140 Time Finished: 1140

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 3

Comments:

# Water Sampling Field Log

Well No.: M-84

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: Clear 51°F

### Well Information:

Total Well Depth: 36.60 feet Time: 1150

Depth to Water: 23.40 feet

Well Diameter (circle one)  
 2-in.  4-in.  6-in.

Height of Water Column (L): 13.20 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 2.1 gal. \* 3 = 6 gal

### Field Measurements:

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations           |
|-------------|--------------------------|-------------|-----------------------|---------------|------------------------|
| <u>1152</u> | —                        | —           | —                     | —             | —                      |
| <u>1154</u> | <u>2 gal</u>             | <u>7.83</u> | <u>1.21 mS/cm</u>     | <u>17.7°C</u> | <u>slightly cloudy</u> |
| <u>1156</u> | <u>4 gal</u>             | <u>7.66</u> | <u>1.33 mS/cm</u>     | <u>19.0°C</u> | <u>clear</u>           |
| <u>1157</u> | <u>6 gal</u>             | <u>7.63</u> | <u>1.35 mS/cm</u>     | <u>19.6°C</u> | <u>clear</u>           |
| <u>1158</u> | <u>8 gal</u>             | <u>7.60</u> | <u>1.36 mS/cm</u>     | <u>20.2°C</u> | <u>clear</u>           |
| _____       | gal                      | _____       | _____                 | _____         | _____                  |
| _____       | gal                      | _____       | _____                 | _____         | _____                  |

Sample Appearance: clear

Sample Collection - Time Start: 1159 Time Finished: 1159

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles

TOTAL BOTTLES: 3

Comments: MD-2 taken here 3 bottles

# Water Sampling Field Log

Well No.: M-100

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-1-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: Warm

**Well Information:**

Total Well Depth: 32.80 feet Time: 1207

Depth to Water: 26.21 feet

Well Diameter (circle one)  
 2-in.     4-in.     8-in.

Height of Water Column (L): 6.59 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.05 gal. \* 3 = 3 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations |
|-------------|--------------------------|-------------|-----------------------|---------------|--------------|
| <u>1208</u> | —                        | —           | —                     | —             | —            |
| <u>1209</u> | <u>1 gal</u>             | <u>7.75</u> | <u>2.19 mS/cm</u>     | <u>17.1°C</u> | <u>clear</u> |
| <u>1210</u> | <u>2 gal</u>             | <u>7.69</u> | <u>2.27 mS/cm</u>     | <u>18.7°C</u> | <u>clear</u> |
| <u>1211</u> | <u>3 gal</u>             | <u>7.64</u> | <u>2.19 mS/cm</u>     | <u>18.9°C</u> | <u>clear</u> |
|             | gal                      |             |                       |               |              |
|             | gal                      |             |                       |               |              |
|             | gal                      |             |                       |               |              |

Sample Appearance: clear

Sample Collection - Time Start: 1212 Time Finished: 1212

Analyses: pH / CLO4 / CR / TDS      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles      3 Bottles

NO3 / CLO3  
2 bottles      TOTAL BOTTLES: 3

Comments: Dup Ed reading 2.16 mS/cm 19.1°C

# Water Sampling Field Log

Well No.: M-17A

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-2-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: COOL 41°C

**Well Information:**

Total Well Depth: 37.00 feet Time: 634

Depth to Water: 32.91 feet

Height of Water Column (L): 4.09 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 0.65 gal. \* 3 = 2 gal

Well Diameter (circle one)  
 2-in.     4-in.     6-in.

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations        |
|------------|--------------------------|-------------|-----------------------|---------------|---------------------|
| <u>636</u> | —                        | —           | —                     | —             | —                   |
| <u>638</u> | <u>.5</u> gal            | <u>6.86</u> | <u>14.12 mS/cm</u>    | <u>19.7°C</u> | <u>yellow</u>       |
| <u>640</u> | <u>1.5</u> gal           | <u>6.95</u> | <u>14.06 mS/cm</u>    | <u>20.0°C</u> | <u>light yellow</u> |
| <u>641</u> | <u>2</u> gal             | <u>6.99</u> | <u>14.16 mS/cm</u>    | <u>20.5°C</u> | <u>light yellow</u> |
|            | gal                      |             |                       |               |                     |
|            | gal                      |             |                       |               |                     |
|            | gal                      |             |                       |               |                     |

Sample Appearance: light yellow

Sample Collection - Time Start: 642 Time Finished: 642

Analyses: pH / CLO4 / CR / TDS      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles      3 Bottles

NO3 / CLO3  
2 bottles      TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-76

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-2-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: cool

**Well Information:**

Total Well Depth: 54.60 feet Time: 647

Depth to Water: 38.80 feet

Well Diameter (circle one)  2-in.  4-in.  6-in. Well Volume (WV) Purge Factor Purge Volume  
 Height of Water Column (L): 15.8 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 2.52 gal. \* 3 = 8 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp           | Observations |
|------------|--------------------------|-------------|-----------------------|----------------|--------------|
| <u>648</u> | —                        | —           | —                     | —              | —            |
| <u>656</u> | <u>3 gal</u>             | <u>7.61</u> | <u>5.53 ms/cm</u>     | <u>19.8 °C</u> | <u>clear</u> |
| <u>702</u> | <u>6 gal</u>             | <u>7.58</u> | <u>5.40 ms/cm</u>     | <u>19.0 °C</u> | <u>clear</u> |
| <u>706</u> | <u>8 gal</u>             | <u>7.62</u> | <u>5.55 ms/cm</u>     | <u>19.8 °C</u> | <u>clear</u> |
| _____      | _____ gal                | _____       | _____                 | _____          | _____        |
| _____      | _____ gal                | _____       | _____                 | _____          | _____        |
| _____      | _____ gal                | _____       | _____                 | _____          | _____        |

Sample Appearance: clear

Sample Collection - Time Start: 707 Time Finished: 707

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-75

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-2-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2" O

Weather Conditions: cool

**Well Information:** \_\_\_\_\_

Total Well Depth: 53.90 feet Time: 713

Depth to Water: 42.25 feet

|                            |             |        |        |
|----------------------------|-------------|--------|--------|
| Well Diameter (circle one) | Well        | Purge  | Purge  |
| 2-in.    4-in.    6-in.    | Volume (VV) | Factor | Volume |

Height of Water Column (L): 11.65 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.8 gal. \* 3 = 6 gal

**Field Measurements:** Depth Purging From: 2 ft. below depth to water

| Time        | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations             |
|-------------|--------------------------|-------------|-----------------------|---------------|--------------------------|
| <u>7:20</u> | —                        | —           | —                     | —             | —                        |
| <u>7:22</u> | <u>2 gal</u>             | <u>7.53</u> | <u>6.62 mS/cm</u>     | <u>18.6°C</u> | <u>light yellow</u>      |
| <u>7:24</u> | <u>4 gal</u>             | <u>7.51</u> | <u>6.50 mS/cm</u>     | <u>20.3°C</u> | <u>light yellow</u>      |
| <u>7:26</u> | <u>6 gal</u>             | <u>7.47</u> | <u>6.52 mS/cm</u>     | <u>20.1°C</u> | <u>Very light yellow</u> |
|             | gal                      |             |                       |               |                          |
|             | gal                      |             |                       |               |                          |
|             | gal                      |             |                       |               |                          |

Sample Appearance: Very light yellow

Sample Collection - Time Start: 7:28 Time Finished: 7:28

Analyses: pH / CLO4 / CR / TDS      pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2-Bottles      3 Bottles

NO3 / CLO3  
2 bottles      TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-115

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-2-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2"

Weather Conditions: Cool

**Well Information:**

Total Well Depth: 47.50 feet Time: 744

Depth to Water: 37.20 feet

Well Diameter (circle one)  2-in.  4-in.  6-in. Well Volume (WV) Purge Factor Purge Volume  
 Height of Water Column (L): 10.30 feet \* 0.16 gal/ft \* 0.65 gal/ft \* 1.47 gal/ft = 1.64 gal. \* 3 = 5 gal.

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp         | Observations           |
|------------|--------------------------|-------------|-----------------------|--------------|------------------------|
| <u>745</u> | —                        | —           | —                     | —            |                        |
| <u>747</u> | <u>2 gal</u>             | <u>7.70</u> | <u>339 mS/cm</u>      | <u>19.3°</u> | <u>Slightly cloudy</u> |
| <u>748</u> | <u>4 gal</u>             | <u>7.55</u> | <u>335 mS/cm</u>      | <u>20.3°</u> | <u>same</u>            |
| <u>749</u> | <u>5 gal</u>             | <u>7.53</u> | <u>324 mS/cm</u>      | <u>20.6°</u> | <u>cloudy</u>          |
|            | <u>gal</u>               |             |                       |              |                        |
|            | <u>gal</u>               |             |                       |              |                        |
|            | <u>gal</u>               |             |                       |              |                        |

Sample Appearance: Cloudy

Sample Collection - Time Start: 750 Time Finished: 750

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments:

# Water Sampling Field Log

Well No.: M-14A

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 2-2-07

Sampling Method:  Electric Pump  Dedicated Bailer  Non Dedicated Bailer  Ready Flo 2" O

Weather Conditions: cool

**Well Information:**

Total Well Depth: 42.40 feet Time: 756

Depth to Water: 32.54 feet

Height of Water Column (L): 9.84 feet \* 2-in. Well Diameter (circle one) \* 0.16 gal/ft \* 4-in. \* 0.65 gal/ft \* 6-in. \* 1.47 gal/ft = 1.57 gal. \* 3 = 5 gal

**Field Measurements:**

Depth Purging From: 2 ft. below depth to water

| Time       | Cumulative Volume Purged | pH          | Specific Conductivity | Temp          | Observations  |
|------------|--------------------------|-------------|-----------------------|---------------|---------------|
| <u>758</u> | ---                      | ---         | ---                   | ---           |               |
| <u>800</u> | <u>2 gal</u>             | <u>7.43</u> | <u>4.30 ms/cm</u>     | <u>19.2°C</u> | <u>cloudy</u> |
| <u>803</u> | <u>4 gal</u>             | <u>7.52</u> | <u>4.43 ms/cm</u>     | <u>19.4°C</u> | <u>cloudy</u> |
| <u>805</u> | <u>5 gal</u>             | <u>7.44</u> | <u>4.45 ms/cm</u>     | <u>21.0°C</u> | <u>cloudy</u> |
|            | <u>gal</u>               |             |                       |               |               |
|            | <u>gal</u>               |             |                       |               |               |
|            | <u>gal</u>               |             |                       |               |               |

Sample Appearance: cloudy

Sample Collection - Time Start: 806 Time Finished: 806

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR  
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3  
2 bottles TOTAL BOTTLES: 2

Comments: Dup EC reading 4.46 ms/cm 20.8°C



# Water Sampling Field Log

Well No.: 1-0

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-09

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

## Well Information:

Total Well Depth: 43.80 feet Time: 534

Depth to Water: 30.74 feet

Height of Water Column (L): 13.06 feet

## Field Measurements:

| Time       | Specific Conductivity | Temperature    | pH          | Observations        |
|------------|-----------------------|----------------|-------------|---------------------|
| <u>534</u> | <u>15.56 mS/cm</u>    | <u>21.5 °C</u> | <u>6.89</u> | <u>light yellow</u> |

Sample Appearance: light yellow

Sample Collection - Time Start: 536 Time Finished: 536

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments:

# Water Sampling Field Log

Well No.: 1-P

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

## Well Information:

Total Well Depth: 47.80 feet Time: 539

Depth to Water: 38.24 feet

Height of Water Column (L): 9.56 feet

## Field Measurements:

| Time       | Specific Conductivity            | Temperature              | pH          | Observations  |
|------------|----------------------------------|--------------------------|-------------|---------------|
| <u>539</u> | <u>1610 <math>\mu</math>S/cm</u> | <u>21.8<sup>o</sup>C</u> | <u>6.60</u> | <u>yellow</u> |

Sample Appearance: yellow

Sample Collection - Time Start: 541 Time Finished: 541

Analyses: pH / ClO<sub>4</sub> / CR / TDS  
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: 1-H

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Cool

Well Information:

Total Well Depth: 46.50 feet Time: 541

Depth to Water: 38.52 feet

Height of Water Column (L): 7.98 feet

Field Measurements:

| Time       | Specific Conductivity | Temperature   | pH          | Observations  |
|------------|-----------------------|---------------|-------------|---------------|
| <u>541</u> | <u>16.50mS/cm</u>     | <u>22.9°C</u> | <u>6.55</u> | <u>yellow</u> |

Sample Appearance: yellow

Sample Collection - Time Start: 542 Time Finished: 542

Analyses: pH / ClO4 / CR / TDS  
Bottles: 2 Bottles

Comments:

# Water Sampling Field Log

Well No.: 1-U

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

## Well Information:

Total Well Depth: 47.10 feet Time: 545

Depth to Water: 37.12 feet

Height of Water Column (L): 10.48 feet

## Field Measurements:

| Time       | Specific Conductivity | Temperature   | pH          | Observations         |
|------------|-----------------------|---------------|-------------|----------------------|
| <u>545</u> | <u>14.30 mS/cm</u>    | <u>21.8°C</u> | <u>6.76</u> | <u>cloudy yellow</u> |

Sample Appearance: cloudy yellow

Sample Collection - Time Start: 546 Time Finished: 546

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-T

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 47.80 feet Time: \_\_\_\_\_

Depth to Water: 28.79 feet

Height of Water Column (L): 19.01 feet

Field Measurements:

| Time  | Specific Conductivity | Temperature | pH    | Observations                         |
|-------|-----------------------|-------------|-------|--------------------------------------|
| _____ | _____                 | _____       | _____ | <u>NO SAMPLE WELL out of Service</u> |

Sample Appearance: \_\_\_\_\_

Sample Collection - Time Start: \_\_\_\_\_ Time Finished: \_\_\_\_\_

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- G

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: \_\_\_\_\_

Well Information:

Total Well Depth: 42.60 feet Time: \_\_\_\_\_

Depth to Water: 29.05 feet

Height of Water Column (L): 13.55 feet

Field Measurements:

| Time                                 | Specific Conductivity | Temperature | pH | Observations |
|--------------------------------------|-----------------------|-------------|----|--------------|
| <u>NO SAMPLE WELL OUT OF SERVICE</u> |                       |             |    |              |

Sample Appearance: \_\_\_\_\_

Sample Collection - Time Start: \_\_\_\_\_ Time Finished: \_\_\_\_\_

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments:

# Water Sampling Field Log

Well No.: 1-2

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

## Well Information:

Total Well Depth: 43.80 feet Time: 549

Depth to Water: 28.75 feet

Height of Water Column (L): 15.05 feet

## Field Measurements:

| Time       | Specific Conductivity | Temperature              | pH          | Observations        |
|------------|-----------------------|--------------------------|-------------|---------------------|
| <u>549</u> | <u>19.65 mS/cm</u>    | <u>27.4<sup>EC</sup></u> | <u>7.00</u> | <u>light yellow</u> |

Sample Appearance: light yellow

Sample Collection - Time Start: 550 Time Finished: 550

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: 1-F

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 45.80 feet Time: 552N

Depth to Water: 26.45 feet

Height of Water Column (L): 19.35 feet

Field Measurements:

| Time       | Specific Conductivity | Temperature    | pH          | Observations        |
|------------|-----------------------|----------------|-------------|---------------------|
| <u>552</u> | <u>15.49ms/cm</u>     | <u>22.10°c</u> | <u>6.98</u> | <u>light yellow</u> |

Sample Appearance: light yellow

Sample Collection - Time Start: 553 Time Finished: 55.3

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments:



# Water Sampling Field Log

Well No.: 1-N

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

## Well Information:

Total Well Depth: 41.70 feet Time: 556

Depth to Water: 29.11 feet

Height of Water Column (L): 12.59 feet

## Field Measurements:

| Time       | Specific Conductivity            | Temperature              | pH          | Observations        |
|------------|----------------------------------|--------------------------|-------------|---------------------|
| <u>556</u> | <u>1308 <math>\mu</math>S/cm</u> | <u>21.2<sup>o</sup>C</u> | <u>6.86</u> | <u>light yellow</u> |

Sample Appearance: light yellow

Sample Collection - Time Start: 558 Time Finished: 558

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

# Water Sampling Field Log

Well No.: 1-E

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

## Well Information:

Total Well Depth: 46.70 feet Time: 601

Depth to Water: 44.02 feet

Height of Water Column (L): 2.68 feet

## Field Measurements:

| Time       | Specific Conductivity | Temperature  | pH         | Observations        |
|------------|-----------------------|--------------|------------|---------------------|
| <u>601</u> | <u>11.80 mS/cm</u>    | <u>21.5°</u> | <u>7.0</u> | <u>light yellow</u> |

Sample Appearance: light yellow

Sample Collection - Time Start: 602 Time Finished: 602

Analyses: pH / ClO4 / CR / TDS  
Bottles: 2 Bottles

Comments:

# Water Sampling Field Log

Well No.: I-M

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

## Well Information:

Total Well Depth: 43.70 feet Time: 606

Depth to Water: 31.01 feet

Height of Water Column (L): 12.69 feet

## Field Measurements:

| Time       | Specific Conductivity | Temperature   | pH          | Observations        |
|------------|-----------------------|---------------|-------------|---------------------|
| <u>606</u> | <u>11.55 mS/cm</u>    | <u>17.5°C</u> | <u>7.19</u> | <u>light yellow</u> |

Sample Appearance: light yellow

Sample Collection - Time Start: 607 Time Finished: 607

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments:

# Water Sampling Field Log

Well No.: I-D

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

## Well Information:

Total Well Depth: 47.70 feet Time: 609

Depth to Water: 29.45 feet

Height of Water Column (L): 18.25 feet

## Field Measurements:

| Time       | Specific Conductivity            | Temperature              | pH          | Observations        |
|------------|----------------------------------|--------------------------|-------------|---------------------|
| <u>609</u> | <u>1066 <math>\mu</math>S/cm</u> | <u>20.2<sup>o</sup>C</u> | <u>7.39</u> | <u>light yellow</u> |

Sample Appearance: light yellow

Sample Collection - Time Start: 610. Time Finished: 610

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-C

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 43.80 feet Time: 614

Depth to Water: 43.09 feet

Height of Water Column (L): .71 feet

Field Measurements:

| Time       | Specific Conductivity | Temperature   | pH          | Observations        |
|------------|-----------------------|---------------|-------------|---------------------|
| <u>614</u> | <u>10.27 mS/cm</u>    | <u>20.4°C</u> | <u>7.32</u> | <u>light yellow</u> |

Sample Appearance: light yellow

Sample Collection - Time Start: 615 Time Finished: 615

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-5

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 47.70 feet Time: 6:17

Depth to Water: 44.06 feet

Height of Water Column (L): 3.64 feet

Field Measurements:

| Time        | Specific Conductivity           | Temperature                       | pH          | Observations |
|-------------|---------------------------------|-----------------------------------|-------------|--------------|
| <u>6:17</u> | <u>889 <math>\mu</math>S/cm</u> | <u>21.1<math>^{\circ}</math>C</u> | <u>7.26</u> | <u>clear</u> |

Sample Appearance: clear

Sample Collection - Time Start: 6:18 Time Finished: 6:18

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments:

# Water Sampling Field Log

Well No.: 1-L

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

## Well Information:

Total Well Depth: 43.40 feet Time: 6:19

Depth to Water: 36.01 feet

Height of Water Column (L): 7.39 feet

## Field Measurements:

| Time        | Specific Conductivity | Temperature  | pH          | Observations |
|-------------|-----------------------|--------------|-------------|--------------|
| <u>6:19</u> | <u>913 mS/cm</u>      | <u>22.3°</u> | <u>6.93</u> | <u>clear</u> |

Sample Appearance: clear

Sample Collection - Time Start: 6:20 Time Finished: 6:20

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments:

# Water Sampling Field Log

Well No.: 1-R

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

## Well Information:

Total Well Depth: 45.30 feet Time: 6:22

Depth to Water: 34.85 feet

Height of Water Column (L): 10.45 feet

## Field Measurements:

| Time        | Specific Conductivity | Temperature     | pH          | Observations |
|-------------|-----------------------|-----------------|-------------|--------------|
| <u>6:22</u> | <u>9.60 mS/cm</u>     | <u>21.30° C</u> | <u>7.00</u> | <u>clear</u> |

Sample Appearance: clear

Sample Collection - Time Start: 6:23 Time Finished: 6:23

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments:



# Water Sampling Field Log

Well No.: I-B

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

## Well Information:

Total Well Depth: 45.70 feet Time: 6:25

Depth to Water: 34.71 feet

Height of Water Column (L): 10.99 feet

## Field Measurements:

| Time        | Specific Conductivity | Temperature   | pH          | Observations        |
|-------------|-----------------------|---------------|-------------|---------------------|
| <u>6:25</u> | <u>7.05 mS/cm</u>     | <u>21.1°C</u> | <u>7.21</u> | <u>light yellow</u> |

Sample Appearance: light yellow

Sample Collection - Time Start: 6:26 Time Finished: 6:26

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: 1-AR

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-30-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 45.00 feet Time: 6:32

Depth to Water: 28.74 feet

Height of Water Column (L): 16.26 feet

Field Measurements:

| Time        | Specific Conductivity | Temperature   | pH          | Observations           |
|-------------|-----------------------|---------------|-------------|------------------------|
| <u>6:32</u> | <u>9.49ms/cm</u>      | <u>16.3°C</u> | <u>7.21</u> | <u>slightly cloudy</u> |

Sample Appearance: slightly cloudy I

Sample Collection - Time Start: 6:33 Time Finished: 6:35

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: 1-K

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm

Well Information:

Total Well Depth: 31.70 feet Time: 1105  
*40.60 wrong (NE)*

Depth to Water: 35.44 feet

Height of Water Column (L): 5.10 feet

Field Measurements:

| Time        | Specific Conductivity | Temperature   | pH          | Observations |
|-------------|-----------------------|---------------|-------------|--------------|
| <u>1105</u> | <u>6.68 mS/cm</u>     | <u>22.1°C</u> | <u>7.33</u> | <u>clear</u> |

Sample Appearance: clear

Sample Collection - Time Start: 1106 Time Finished: 1106

Analyses: pH / ClO4 / CR / TDS  
Bottles: 2 Bottles

Comments: TWO IS wrong on inventory list found it to be 40.60

# Water Sampling Field Log

Well No.: 1-J

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm

## Well Information:

Total Well Depth: 44.50 feet Time: 1115

Depth to Water: 42.08 feet

Height of Water Column (L): 242 feet

## Field Measurements:

| Time        | Specific Conductivity | Temperature   | pH          | Observations |
|-------------|-----------------------|---------------|-------------|--------------|
| <u>1115</u> | <u>6.83ms/cm</u>      | <u>23.2°C</u> | <u>7.33</u> | <u>clear</u> |

Sample Appearance: clear

Sample Collection - Time Start: 1116 Time Finished: 1116

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments:

# Water Sampling Field Log

Well No.: I-2

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm

## Well Information:

Total Well Depth: 37.00 feet Time: 1124

Depth to Water: 26.34 feet

Height of Water Column (L): 10.66 feet

## Field Measurements:

| Time        | Specific Conductivity | Temperature              | pH          | Observations  |
|-------------|-----------------------|--------------------------|-------------|---------------|
| <u>1124</u> | <u>9.14 mS/cm</u>     | <u>24.8<sup>o</sup>C</u> | <u>7.23</u> | <u>yellow</u> |

Sample Appearance: yellow

Sample Collection - Time Start: 1125 Time Finished: 1125

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments:

# Water Sampling Field Log

Well No.: I

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm

## Well Information:

Total Well Depth: 44.20 feet Time: 1136

Depth to Water: 23.40 feet

Height of Water Column (L): 20.80 feet

## Field Measurements:

| Time        | Specific Conductivity | Temperature   | pH          | Observations        |
|-------------|-----------------------|---------------|-------------|---------------------|
| <u>1136</u> | <u>17.69 mscm</u>     | <u>25.0°°</u> | <u>7.17</u> | <u>light yellow</u> |

Sample Appearance: light yellow

Sample Collection - Time Start: 1137 Time Finished: 1137

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments:

# Water Sampling Field Log

Well No.: I- V

Project No.: \_\_\_\_\_ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Wendy Prescott, Jason Chambers Date: 1-31-07

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Warm

## Well Information:

Total Well Depth: 47.70 feet Time: 1151

Depth to Water: 31.09 feet

Height of Water Column (L): 16.63 feet

## Field Measurements:

| Time        | Specific Conductivity | Temperature   | pH          | Observations  |
|-------------|-----------------------|---------------|-------------|---------------|
| <u>1151</u> | <u>12.88 mS/cm</u>    | <u>23.5°C</u> | <u>7.06</u> | <u>yellow</u> |

Sample Appearance: yellow

Sample Collection - Time Start: 1152 Time Finished: 1152

Analyses: pH / CLO4 / CR / TDS  
Bottles: 2 Bottles

Comments: