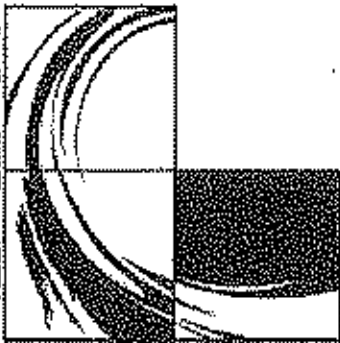




Third
Quarter Well Monitoring
Tronox LLC.
Henderson, Nevada

July 30 – August 3, 2007





Letter of Transmittal

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

Date: Aug. 13, 2007

Project:

2007 3rd Quarter Groundwater Monitoring

Enclosed:

1 copy of Field Data Letter Report

Remarks:

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

Signature:

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

Jeff Lambeth, PM
VeoliaWaterNA

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CONTENTS

Letter of Transmittal	1
Field Data Letter Report	2-10
Field Daily Sign-In Log	11
Daily Maintenance & Calibration Record	12-16
Table 1- Well Inventory for Groundwater Sampling	17-20
Chain of Custody / Bottle Orders.....	21-34
Water Sampling Field Logs	35-130

Field Data Letter Report

Section	
1.0	INTRODUCTION
1.1	Scope of Sampling Event
2.0	FIELD ACTIVITIES
2.1	Groundwater Level Soundings
2.2	Equipment Cleaning Procedures.....
3.0	GROUND WATER SAMPLING.....
3.1	Sampling Locations
3.1.1	Interceptor Wells 4
3.1.2	Monitoring Wells.....
4.0	SAMPLING TECHNIQUES.....
4.1	Interceptor Wells.....
4.2	Monitoring Wells.....
4.3	Problems Encountered
4.4	Equipment Cleaning procedures
5.0	QUALITY CONTROL / QUALITY ASSURANCE
5.1	QC Duplicate Samples.....
5.2	Equipment Blanks
5.3	Field Blanks
6.0	ANALYTICAL PROCEDURES.....
6.1	Field Equipment Calibration.....

7.0	SUMMARY RESULTS.....	9
7.1	Ground Water Level Sounding.....	9
7.2	Analytical Results.....	9
7.2.1	Interceptor Wells.....	9
7.2.2	Monitoring Wells.....	9
7.2.3	QC Duplicates.....	9
7.2.4	Equipment Blanks.....	9
7.2.5	Field Blanks.....	10

Field Data Letter Report

1.0 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 third 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. Sample 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 22 interceptor wells.
- Soundings of groundwater levels in 73 monitoring wells.
- Collection of groundwater samples from 69 monitoring wells.

Analysis of samples collected from the interceptor and monitoring wells, range from Perchlorate (CLO4), Total Chromium (Cr), Hexavalent Chromium (Cr+6), pH, Specific Conductance (EC), Total Dissolved Solids (TDS), Nitrate (NO3), Chlorate (CLO3) and NPDES list for well M-10, (Up Well). (CR-MS, MN-MS, CU-MS, MO-MS, FE, B, CL, F, TDS, NO3, NO2-N, N-INOR, NH3, NH3-DIST). Also sampled this quarter were the RCRA wells with the analysis of TOC, TOX Quad, pH, EC, TDS, CR, CLO4, CR.

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.

2.0 FIELD ACTIVITIES

VWNA conducted the field activities associated with this quarterly sampling event between Monday July 30th and Friday, August 3rd, 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. Michele Brown was responsible for sample collection and recording all pertinent data on sample bottles and 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. Matt Rosich was responsible for the Depth to Water readings and purging of each well along with the cleansing of equipment.

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 well "G" pump was 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 73 monitoring wells were taken. There was one (1) monitoring well considered "DRY", M-18. There were three (3) wells where only static water levels were required. The following are the 3 wells:

	M-80	M-81A	
	M-93		

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

M-74	M-18	M-19	M-100
	M-102	M-101	M-72

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 rinsed with de-ionized water before use at each well. Rinsing of the pump and hose with 3 to 4 gallons of deionized water using a dedicated DI water bucket was done 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-T	I-U	I-V	I-Z

3.1.2 Monitoring Wells

M-67	M-5A	M-6A	M-7B	M-10	M-11	M-12A	M-66	M-14A	M-17A
------	------	------	------	------	------	-------	------	-------	-------

M-19		M-22A	M-23	M-25	M-31A	M-34	M-36	M-37	M-38
M-39	M-44	M-48	M-50	M-64	M-57A	M-68	M-69	M-70	M-71
M-72	M-73	M-74	H-28A			M-79	M-35	M-61	M-83

M-84	M-85	M-86	M-87	M-88	M-89	M-92	M-65	M-94	
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, and TDS. 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-one (61) wells were purged and sampled, using the 12 volt submersible pump. Two (2) 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.

same manner as the primary sample, but assigned a different identification number. Duplicate "field" EC monitoring was conducted each day on at least one well.

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-94, M-12A, PC-73, and M-69. They were analyzed for the same parameters as the primary samples. MWH was not informed of the identity of these "blind" samples.

5.2 Equipment Blanks

Two equipment blanks, EB-1 and EB-2, were taken this quarter. The equipment blanks were collected on, July 31st and August 1st. 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 July 30th, 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. VVNA 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 μ ohms/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 μ g/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 μ g/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 μ g/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.

Duplicate EC readings were taken once per day of the sampling event to insure the precision of the probe. These results are found at the bottom of the calibration maintenance forms.

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 I. 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.)

<u>LOW</u>	<u>HIGH</u>
41.61 (I-C)	24.24 (I-I)

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

<u>LOW</u>	<u>HIGH</u>
49.47 (M-10 and M-33)	10.02 (PC-132)

7.2 Summary of Field Activities

7.2.1 Interceptor Wells

CLO4, Cr, pH and SC 22 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 9 monitoring wells

CLO4, Cr, pH and TDS 60 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-94 and M-12A (Measured for CLO4, Total Cr., Hex Cr., pH and TDS)

PC-73 and M-69 (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	Humid, Overcast
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	1
Total Wells not found	0
Total Wells out of service	1



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 7-30-07

HANNA FIELD PH METER

Known value	1) 7.0	1) 6.0	Time/analyst
Calibration Value	2) 7.01	2) 7.98	5:18 (MP)
Buffer Temperature	3) 22.1	3) 23.9	
changed buffers			
yes <input checked="" type="checkbox"/>			
please check			

HANNA FIELD EC METER

Known Value	1) 1288	Time/analyst
Temp. Comp. Value	1) 23.9	5:18 (MP)
Calibration Value	1) 1265	
Standard Temp	1) 23.1	
changed standards		
yes <input checked="" type="checkbox"/>		
please check		

Duplicate EC reading Well # M-23

1st Reading

2nd Reading

EC 5.18 TEMP 25.9°C
mScm

EC 5.16 TEMP 26.2°C
mScm

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

Date 7-30-07 Verified M Brown



DAILY MAINTENANCE AND CALIBRATION RECORD

DATE 7-31-07

HANNA FIELD PH METER

Known value	1) 7.0	1) 8.0	Time/analyst
Calibration Value	2) 7.01	2) 7.98	4:45 MB
Buffer Temperature	3) 21.6	3) 24.8	
changed buffers			
yes <input checked="" type="checkbox"/>			
please check			

HANNA FIELD EC METER

Known Value	1) 1288	Time/analyst
Temp. Comp. Value	1) 13.1	4:40 MB
Calibration Value	1) 1285	
Standard Temp	1) 20.8	
changed standards		
yes <input checked="" type="checkbox"/>		
please check		

Duplicate EC reading Well # M-31

1st Reading

2nd Reading

EC 8.00 TEMP 28.5°C
mS/cm

EC 8.06 TEMP 28.4°C
mS/cm

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

Date 7-31-07 Verified MBrown



DAILY MAINTENANCE AND CALIBRATION RECORD
DATE 8-1-07

HANNA FIELD PH METER

Known value	1) 7.0	1) 8.0	Time/analyst 4:40 MB
Calibration Value	2) 7.0	2) 7.98	
Buffer Temperature	3) 23.1	3) 24.1	
changed buffers yes <input checked="" type="checkbox"/> please check			

HANNA FIELD EC METER

Known Value	1) 1288	Time/analyst 4:35 MB
Temp. Comp. Value	1) 12.39	
Calibration Value	1) 12.89	
Standard Temp	1) 22.6	
changed standards yes <input checked="" type="checkbox"/> please check		

Duplicate EC reading Well # M-12A

1st Reading	2nd Reading
EC <u>9.19</u> TEMP <u>24.9°C</u> mS/cm	EC <u>9.21</u> TEMP <u>24.9°C</u> mS/cm

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

Date 8-1-07 Verified MBrown



DAILY MAINTENANCE AND CALIBRATION RECORD
DATE 8-2-07

HANNA FIELD PH METER

Known value	1) 7.0	1) 8.0	Time/analyst 4:50 MB
Calibration Value	2) 4.01	2)	
Buffer Temperature	3) 21.6	3)	
changed/buffers yes <input checked="" type="checkbox"/>			
please check			

HANNA FIELD EC METER

Known Value	1) 1288	Time/analyst 4:45 MB
Temp. Comp. Value	1) 12.88	
Calibration Value	1) 21.50	
Standard Temp	1) 22.5°c	
changed standards yes <input checked="" type="checkbox"/>		
please check		

Duplicate EC reading Well # M-10

1st Reading	2nd Reading
EC <u>3.94</u> TEMP <u>27.2°c</u> ms/cm	EC <u>3.94</u> TEMP <u>27.3°c</u> ms/cm

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

Date MB Verified M. Brown



DAILY MAINTENANCE AND CALIBRATION RECORD
DATE 8-3-07

HANNA FIELD PH METER

Known value	1) 7.0	1) 8.0	Time/analyst
Calibration Value	2) 7.01	2) 7.99	522
Buffer Temperature	3) 21.7	3) 22.8	MB
changed buffers			
yes <input checked="" type="checkbox"/>			
please check			

HANNA FIELD EC METER

Known Value	1) 1288	Time/analyst
Temp. Comp. Value	1) 12.15	520
Calibration Value	1) 129.1	MB
Standard Temp	1) 22.3	
changed standards		
yes <input checked="" type="checkbox"/>		
please check		

Duplicate EC reading Well # M-14A

1st Reading	2nd Reading
EC <u>4.33</u> TEMP <u>25.1⁰⁰</u>	EC <u>4.37</u> TEMP <u>25.3⁰⁰</u>
MS/cm	MS/cm

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

Date 8-3-07 Verified M Brown

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

Wells to be Sampled for: Third Quarter, August 2007

WELL #	TOTAL DEPTH (from TDC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (µS/cm)	DATE / TIME	COMMENTS/Analytical Plan
M-2A	40.00	1741.16	DN / Skipped in the 2nd Quarter. Analytical Sampling only.					pH / Cr / Cr ⁶⁺ / ClO ₂ / TDS
M-4A	50.00	1751.00	36.62	1713.18	6.57	16.13	7-31/10:26	pH / SC / TOC / TOX) x 4 / TDS
M-6A	45.00	1733.20	36.41	1694.79	6.35	18.03	7-31/10:04	(pH / SC / TOC / TOX) x 4 / TDS
M-7B	55.00	1732.83	35.77	1697.06	6.90	18.99	7-31/9:37	(pH / SC / TOC / TOX) x 4 / TDS
M-10	69.45	1836.21	49.77	1786.44	6.91	3.94	8-2/11:48	pH / Cr / Cr ⁶⁺ / ClO ₂ / TDS
M-11	58.00	1815.54	43.82	1771.72	7.76	4.34	8-2/11:15	pH / Cr / Cr ⁶⁺ / ClO ₂ / TDS
M-12A	98.00	1812.76	41.58	1771.18	7.64	9.19	8-1/8:47	pH / Cr / Cr ⁶⁺ / ClO ₂ / TDS
M-13	54.75	1817.00		Only sampled during 2nd Quarter.				pH / Cr / Cr ⁶⁺ / TDS
M-14A	42.40		33.31		7.37	4.33	8-3/8:14	pH / Cr / Cr ⁶⁺ / TDS
M-15	22.00	1790.97		Not sampled for the quarterly monitoring program.				Not sampled.
M-17A	65.00	1760.99	33.41	1735.58	6.97	14.48	8-3/7:42	pH / Cr / Cr ⁶⁺ / TDS
M-18	29.80	1740.48	28.28	1711.28	NO SAMPLE		8-2/8:00	Not sampled.
M-19	41.20	1766.77	34.93	1731.84	7.16	6.67	8-1/7:44	pH / Cr / Cr ⁶⁺ / TDS
M-21	40.74	1792.87		Only sampled in the 2nd Quarter.				pH / Cr / Cr ⁶⁺ / TDS
M-22A	38.92	1759.46	30.64	1728.82	6.94	13.72	8-3/7:02	pH / Cr / Cr ⁶⁺ / TDS
M-23	44.47	1720.35	25.89	1694.46	7.31	5.18	7-30/11:22	pH / Cr / Cr ⁶⁺ / TDS
M-25	41.47	1759.93	33.44	1726.49	6.75	10.63	7-31/12:19	pH / Cr / Cr ⁶⁺ / TDS
M-27	26.00	1748.25		Not available as ordered by TDC. No backfilling with Portland cement.				Not sampled.
M-29	40.74	1809.99		Only sampled in the 2nd Quarter.				pH / Cr / Cr ⁶⁺ / TDS
M-31A	55.00	1786.87	45.84	1750.03	7.06	9.97	8-1/6:32	pH / Cr / Cr ⁶⁺ / TDS
M-32	59.75	1793.55		Only sampled in the 2nd and 4th Quarter.				pH / Cr / Cr ⁶⁺ / TDS
M-33	46.78	1800.78		Only sampled in the 2nd Quarter.				pH / Cr / Cr ⁶⁺ / TDS
M-34		1777.10	37.92	1739.18	6.99	11.4	8-1/7:14	pH / Cr / Cr ⁶⁺ / TDS
M-35	42.33	1775.94	35.97	1739.97	7.02	7.66	8-1/7:28	pH / Cr / Cr ⁶⁺ / TDS
M-36	37.85	1759.82	32.42	1727.40	6.93	16.59	8-2/10:34	pH / Cr / Cr ⁶⁺ / ClO ₂ / TDS
M-37	37.18	1761.06	32.25	1728.81	6.57	8	7-31/12:37	pH / Cr / Cr ⁶⁺ / ClO ₂ / TDS
M-38	36.62	1769.73	31.43	1728.30	6.97	14.24	8-3/7:13	pH / Cr / Cr ⁶⁺ / TDS
M-39	42.50	1761.13	32.10	1729.03	6.97	7.92	8-1/8:05	pH / Cr / Cr ⁶⁺ / TDS
M-44	37.65	1698.31	18.72	1679.59	7.32	9.32	7-30/12:06	pH / Cr / Cr ⁶⁺ / TDS
M-48	38.59	1729.78	24.79	1695.99	7.50	3.3	7-30/9:37	pH / Cr / Cr ⁶⁺ / TDS
M-50	62.15	1795.64	47.02	1748.62	7.06	14.97	8-1/6:51	pH / Cr / Cr ⁶⁺ / TDS
M-52	27.04	1801.92		Only sampled in the 2nd and 4th Quarter.				pH / Cr / Cr ⁶⁺ / TDS
M-55	43.00	1758.86		Not sampled as part of quarterly monitoring program.				Not sampled.
M-56	46.00	1750.43		Not sampled as part of quarterly monitoring program.				Not sampled.

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

Wells to be Sampled for: Third Quarter, August 2007

WELL #	TOTAL DEPTH (from TDC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS (Analytical Panel)
M-57A	42.40		30.16		7.23	4.1	7-31/8:13	pH / Cr / ClO ₂ / TDS
M-58	35.00	1721.25			Not sampled as part of quarterly monitoring program			Not sampled
M-59	42.00	1720.76			Not sampled as part of quarterly monitoring program			Not sampled
M-61	41.00	1746.93	24.64	1722.19	7.24	6.33	8-1/8:37	pH / Cr / ClO ₂ / TDS
M-64	38.00	1749.76	28.90	1720.78	6.96	9.3	7-31/7:01	pH / Cr / ClO ₂ / TDS
M-65	40.00	1793.90	31.19	1722.71	6.59	16.36	7-31/7:35	pH / Cr / ClO ₂ / TDS
M-66	43.00	1754.24	31.76	1722.48	6.47	16.36	7-31/7:48	pH / Cr / ClO ₂ / TDS
M-67	38.00	1746.91	22.26	1723.65	6.93	8.18	8-1/9:08	pH / Cr / ClO ₂ / TDS
M-68	41.00	1748.72	23.12	1723.60	7.18	7.44	8-1/8:20	pH / Cr / ClO ₂ / TDS
M-69	40.00	1749.76	32.55	1717.20	6.87	5.29	7-31/8:40	pH / Cr / ClO ₂ / TDS
M-70	41.00	1748.24	32.08	1716.16	7.09	10.21	8-3/6:18	pH / Cr / ClO ₂ / TDS
M-71	43.00	1747.04	32.90	1714.14	7.00	8.3	8-3/6:30	pH / Cr / ClO ₂ / TDS
M-72	7.08	1746.49	32.25	1714.24	7.08	9.45	8-3/6:44	pH / Cr / ClO ₂ / TDS
M-73	36.00	1741.14	29.14	1712.00	7.39	4.38	8-2/7:17	pH / Cr / ClO ₂ / TDS
M-74	39.00	1744.37	29.46	1714.91	7.20	7.72	8-2/7:32	pH / Cr / ClO ₂ / TDS
M-75	32.50	1741.21			Only sampled during 2nd quarter			pH / Cr / ClO ₂ / TDS
M-76	32.50	1741.21			Only sampled during 2nd quarter			pH / Cr / ClO ₂ / TDS
M-77	42.50	1740.12			Only sampled during 2nd quarter			pH / Cr / ClO ₂ / TDS
M-78	43.00	1751.90			Not sampled as part of quarterly monitoring program			Not sampled
M-79	37.60	1742.53	28.42	1713.11	7.17	2.95	7-31/8:32	pH / Cr / ClO ₂ / TDS
M-80	43.70	1746.04	31.46	1714.58	NO SAMPLE		8-2/9:39	W.L. only
M-81A	41.60	1744.15	31.21	1712.95	NO SAMPLE		8-2/9:28	W.L. only
M-83	42.80	1742.36	28.02	1714.34	7.45	1.28	8-3/6:05	pH / Cr / ClO ₂ / TDS
M-84	36.60	1741.03	27.44	1713.98	7.60	1.30	8-2/9:37	pH / Cr / ClO ₂ / TDS
M-85	38.87	1741.19	30.21	1710.98	7.59	1.35	8-3/9:50	pH / Cr / ClO ₂ / TDS
M-86	48.00	1744.23	32.51	1711.72	7.13	4.62	8-2/9:25	pH / Cr / ClO ₂ / TDS
M-87	41.00	1744.12	36.19	1707.93	7.33	3.11	8-2/7:15	pH / Cr / ClO ₂ / TDS
M-88	39.00	1739.35	31.33	1708.02	7.17	8.41	8-2/8:04	pH / Cr / ClO ₂ / TDS
M-89	39.00	1766.19	33.73	1732.46	6.87	13.30	8-3/7:31	pH / Cr / ClO ₂ / TDS
M-92	48.00	1660.76	37.77	1762.99	7.56	2.49	8-1/6:37	pH / Cr / ClO ₂ / TDS
M-93	48.00	1797.64	36.75	1780.79	NO SAMPLE		8-1/6:11	pH / Cr / ClO ₂ / TDS

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

Wells to be Sampled for: Third Quarter, August 2007

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (µS/cm)	DATE / TIME	COMMENTS/Analytical Plan
M-94	21.00	1696.07	11.90	1683.17	7.36	8.66	7-30/11:46	pH / Cr / ClO ₂ / TDS
M-95	35.00	1696.60		Only Sampled During 2nd Quarter				pH / Cr / ClO ₂ / TDS
M-95	16.90	1693.52	10.47	1683.05	7.45	7.68	7-30/8:35	pH / Cr / ClO ₂ / TDS
M-97	52.60	1800.89	48.97	1759.88	7.24	4.81	8-1/9:54	pH / Cr / ClO ₂ / TDS
M-98	33.40	1731.90	28.71	1703.19	7.10	4.63	7-31/9:18	pH / Cr / ClO ₂ / TDS
M-99	36.50	1730.74	29.57	1701.17	6.84	7.08	7-31/8:02	pH / Cr / ClO ₂ / TDS
M-100	32.80	1730.93	28.65	1702.27	7.42	2.03	8-2/9:50	pH / Cr / ClO ₂ / TDS
M-101	31.20	1730.81	30.37	1700.44	7.61	3.57	8-2/8:33	pH / Cr / ClO ₂ / TDS
M-102	43.90	1740.24	39.09	1700.35	7.48	2.76	8-2/8:17	pH / Cr / ClO ₂ / TDS
M-116	47.40		30.47		7.46	3.89	8-3/8:02	pH / Cr / ClO ₂ / TDS
PC-123	34.70	1626.70	23.00	1603.70	7.32	6.91	7-30/6:38	pH / Cr / ClO ₂ / TDS
PC-124	34.60	1630.30	24.81	1611.49	7.31	7.35	7-30/6:33	pH / Cr / ClO ₂ / TDS
PC-125	33.50	1635.41	23.65	1611.76	7.33	7.71	7-30/6:10	pH / Cr / ClO ₂ / TDS
PC-126	36.30	1634.67	22.58	1612.09	7.16	14.15	7-30/6:21	pH / Cr / ClO ₂ / TDS
PC-127	34.70	1632.92	19.23	1613.69	7.32	8.7	7-30/6:34	pH / Cr / ClO ₂ / TDS
PC-128	34.70	1633.62	18.91	1614.71	7.54	6.35	7-30/6:48	pH / Cr / ClO ₂ / TDS
PC-129	37.70	1634.35	18.84	1615.41	7.13	7.1	7-30/7:03	pH / Cr / ClO ₂ / TDS
PC-130	49.70	1633.50	19.62	1613.88	7.33	7.78	7-30/7:21	pH / Cr / ClO ₂ / TDS
PC-131	39.40	1634.29	11.42	1622.87	7.14	13.29	7-30/7:38	pH / Cr / ClO ₂ / TDS
PC-132	39.70	1634.84	10.02	1624.82	7.18	13.03	7-30/7:56	pH / Cr / ClO ₂ / TDS
								pH / Cr / ClO ₂ / TDS
Interceptor Wells								
I-A	45.00	1758.35	43.55	1714.80	6.47	9.17	7-31/5:58	pH / Cr / ClO ₂ / TDS
I-B	43.70	1752.66	36.56	1716.10	6.98	6.51	7-31/5:38	pH / Cr / ClO ₂ / TDS
I-C	43.80	1752.77	44.81	1708.16	6.86	9.41	7-31/5:43	pH / Cr / ClO ₂ / TDS
I-D	47.70	1752.66	39.77	1712.89	6.73	10.7	7-31/5:40	pH / Cr / ClO ₂ / TDS
I-E	46.70	1752.36	37.22	1715.14	6.67	11.34	7-31/5:35	pH / Cr / ClO ₂ / TDS
I-F	46.80	1749.70	27.84	1721.76	6.58	14.76	7-31/5:30	pH / Cr / ClO ₂ / TDS
I-G	42.60	1752.50	38.62	1721.98	NO SAMPLE		7-31/6:03	pH / Cr / ClO ₂ / TDS
I-H	46.50	1753.21	42.21	1711.00	6.23	19.26	7-31/6:19	pH / Cr / ClO ₂ / TDS
I-I	44.20	1765.50	24.24	1721.26	7.13	13.31	8-1/8:27	pH / Cr / ClO ₂ / TDS
I-J	44.50	1760.07	42.22	1707.85	7.38	7.09	8-1/8:48	pH / Cr / ClO ₂ / TDS

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

Wells to be Sampled for: Third Quarter, August 2007

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FY MSL)	pH	SPECIFIC CONDUCTIVITY (µS/cm)	DATE / TIME	COMMENTS/Analytical Plan
I-K		1750.07	36.40	1713.67	7.42	6.73	8-1/8:38	pH / Cr / ClO ₄ / TDS
I-L	43.40	1751.69	31.03	1720.66	6.61	8.6	7-31/5:30	pH / Cr / ClO ₄ / TDS
I-M	43.70	1752.09	34.33	1717.76	6.67	10.98	7-31/5:37	pH / Cr / ClO ₄ / TDS
I-N	41.70	1751.46	31.44	1720.01	6.49	12.66	7-31/5:33	pH / Cr / ClO ₄ / TDS
I-O	43.80	1752.79	37.12	1715.67	6.67	15.31	7-31/5:43	pH / Cr / ClO ₄ / TDS
I-P	47.80	1751.86	36.36	1715.50	6.82	16.23	7-31/5:17	pH / Cr / ClO ₄ / TDS
I-Q	43.80	1753.11	34.06	1719.05	6.78	16.5	7-31/5:27	pH / Cr / ClO ₄ / TDS
I-R	46.30	1751.35	35.92	1715.43	6.71	6.70	7-31/5:53	pH / Cr / ClO ₄ / TDS
I-S	47.70	1750.03	42.23	1707.80	6.87	8.04	7-31/5:46	pH / Cr / ClO ₄ / TDS
I-T	47.80	1751.65	37.51	1714.14	6.49	17.02	7-31/5:24	pH / Cr / ClO ₄ / TDS
I-U	47.60	1752.16	33.28	1718.87	6.47	17.28	7-31/5:21	pH / Cr / ClO ₄ / TDS
I-V	47.70	1752.13	32.04	1720.09	6.65	13.92	8-1/8:23	pH / Cr / ClO ₄ / TDS
I-Z	37.00	1743.76	33.12	1710.64	7.02	9.98	8-1/8:57	pH / Cr / ClO ₄ / TDS
Other wells (offsite)								
PC-37	43.00	1707.71	24.37	1683.34	7.34	8.93	7-30/10:56	pH / Cr / ClO ₄ / TDS
PC-64	36.00	1704.42	19.87	1684.55	7.34	7.13	7-30/9:20	pH / Cr / ClO ₄ / TDS
PC-71	33.23	1698.73	22.91	1676.22	7.32	9.39	7-30/10:12	pH / Cr / ClO ₄ / TDS
PC-72	39.64	1699.43	27.42	1672.01	7.38	6.44	7-30/10:26	pH / Cr / ClO ₄ / TDS
PC-73	49.44	1699.49	30.09	1669.40	7.28	8.31	7-30/10:39	pH / Cr / ClO ₄ / TDS
Pioneer Chemical Well								
H-28A	51.00	1731.76	36.72	1695.03	6.62	10.9	7-31/11:42	pH / Cr / ClO ₄ / TDS / SC
Duplicate Samples:								
MD-1	M-94		11.90		7.36	8.66	7-30/11:50	pH / Cr / ClO ₄ / TDS
MD-2	M-12A		4.50		7.64	9.19	8-1/10:00	pH / Cr / ClO ₄ / TDS
MD-3	PC-73		29.14		7.39	4.36	7-30/10:51	pH / Cr / ClO ₄ / TDS
MD-4	M-89		32.60		6.87	6.29	7-31/8:57	pH / Cr / ClO ₄ / TDS
Other Samples Collected:								
EB-1							7-30/12:52	pH / Cr / ClO ₄ / TDS
EB-2							8-1/10:04	pH / Cr / ClO ₄ / TDS
FB-1							7-30/6:08	pH / Cr / ClO ₄ / TDS

ACTUAL

Wells sampled	92	Number of Wells to be Sampled:	94
Duplicate samples	4	Number of Duplicate Samples (5%):	4
Field Blanks	1	Number of Field Blanks (1 per Qtr):	1
Equip Blanks	2	Number of Equipment Blanks (2 per Qtr):	2
Total water samples	99	Total Number of Water Samples to be Collected:	101
DRY	1		
DTW Only	3	Number of wells where water levels measured only:	2
Total wells visited	96	Total Number of Wells to visit:	96



156 Boyl Deas Ave, Suite 1001, Merced, CA 91016
(820) 388-1100 (800) 588-5227

LAB USE ONLY

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE REC: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY: S&P, EA

COMPANY PROJECT NAME

PROJECT JOB #/P.O.#

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(over 20 min)

Sample #

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

Sample: McAfee Brown Trench LLC - Henderson Plant
PO Box 55
Henderson, NV 89003
Sooper On-site (702) 651-2294

TIME	DATE	LOCATION	IDENTIFIER, STATE/ID#	MATERIAL	WBS	PROP	CRW 7156	CLO3 9D56	NO3 9D56	See Bottle Order	OTHER	ANALYSES	SAMPLES
5:46	1-30-07		PC-123	RGW	X		X	X	X	X			2 Bottles
6:05	1-30-07		PC-124	RGW	X		X	X	X	X			2 Bottles
6:17	1-30-07		PC-125	RGW	X		X	X	X	X			2 Bottles
6:31	1-30-07		PC-126	RGW	X		X	X	X	X			2 Bottles
6:41	1-30-07		PC-127	RGW	X		X	X	X	X			2 Bottles
7:00	1-30-07		PC-128	RGW	X		X	X	X	X			2 Bottles
7:18	1-30-07		PC-129	RGW	X		X	X	X	X			2 Bottles
7:51	1-30-07		PC-130	RGW	X		X	X	X	X			2 Bottles
8:09	1-30-07		PC-131	RGW	X		X	X	X	X			2 Bottles
8:48	1-30-07		PC-132	RGW	X		X	X	X	X			2 Bottles
11:57	1-30-07		M-94	RGW	X		X	X	X	X			3 Bottles

MATRIX TYPES:

Reported by Volume:

GFV = Chlorinated Flashed Water

PV = Other Flashed Water

RGW = Raw Ground Water

RSW = Raw Surface Water

CWN = Chlorinated Waste Water

WW = Other Waste Water

SW = Storm Water

Reported by Weight:

SO = Sol

Sl = Sludge

RECEIVED BY:	SIGNATURE	POST NAME	COMPANY/TEAM	DATE	TIME
RECEIVED BY:	<u>McAfee Brown</u>	McAfee Brown	Veolia Water NA for Trench LLC - Henderson Plant	1-30-07	12:00 PM
RECEIVED BY:					
RECEIVED BY:					



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

259 Royal Oaks Ave. Suite 100, Menlo Park, CA 94016
(650) 326-1100 (650) 566-5227

PLEASE USE ONLY

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP. RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SUBMITTER

CONTRACT/PROJECT NAME PROJECT JOB #/PO#

Quantity/Description/Supply

Substrate

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

(initials for you)

Michael Brown
Tetra Tech - Henderson Plant
PO Box 55
Henderson, NV 89031

TIME	DATE	LOCATION	RENTIER, STATE (if)	MATRIX	QTS	INCS	CR 6010	PH 6010	TDS	ClO4	CRW 7196	ClO3 6056	NO3 6056	See Bottle Order	SAMPLER COMMENTS
9:30	7-30-07		PC-54	RGW	X		X	X	X	X					2 Bottles
9:48	7-30-07		M-148	RGW	X		X	X	X	X					2 Bottles
10:17	7-30-07		M-144	RGW	X		X	X	X	X					3 Bottles
11:08	7-30-07		PC-34	RGW	X		X	X	X	X					2 Bottles
10:30	7-30-07		PC-71	RGW	X		X	X	X	X					2 Bottles
10:35	7-30-07		PC-72	RGW	X		X	X	X	X					2 Bottles
10:51	7-30-07		PC-73	RGW	X		X	X	X	X					2 Bottles
11:34	7-30-07		M-23	RGW	X		X	X	X	X					2 Bottles
6:08	7-30-07		FB-1	RGW	X		X	X	X	X					3 Bottles
	7-30-07		MD-1	RGW	X		X	X	X	X					3 Bottles
	7-30-07		MD-3	RGW	X		X	X	X	X					2 Bottles

* MATRIX TYPES:

Requested by Volume:

CPW = Chlorinated Pesticides Water
FW = Other Freshwater

RGW = Raw Ground Water
RW = Raw Surface Water

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

Requested by Weight:

SO = Soil
SI = Sludge

RECEIVED BY:	SIGNATURE	PRINT NAME	DATE	TIME
RECEIVED BY:	Michael Brown	Michael Brown	7-30-07	12:00PM
RECEIVED BY:				
RECEIVED BY:				



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Dr. Suite 100 Manassas, VA, 91016-3629
(526) 356-1109 (800) 566-3227

NEVER 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 #/PO#

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(Grade Entry)

CLIENT/SAMPLE

Quantity Samples

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

Sample Signature: Michelle Brown
Scan Code: (203) 651-2234
Turon LLC - Henderson Plant
PO Box 55
Henderson, VA 22603

TIME	DATE	LOCATION	IDENTIFIER, STATE DIS	NO. ANALYSES	NO. SURF	NO. GROUND	NO. SW	NO. WASTE	NO. OTHER	NO. TOTAL	COMMENTS
1054	7/31/2007		LE 5A	RGW	X						
1013	7/31/2007		M-5A	RGW	X						
1152	7/31/2007		M-7B	RGW	X						
	7/31/2007		H-28A	RGW	X						

* MATRIX TYPES:

Reported by Volume:
OFW = Chlorinated Finished Water
FW = Other Finished Water

RGW = Raw Ground Water
RSW = Raw Surface Water

OWW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Solids
SL = Solids

RECEIVED BY: Michelle Brown SIGNATURE

RECEIVED BY: _____ SIGNATURE

RECEIVED BY: _____ SIGNATURE

DATE: 7/31/2007 TIME: 12:00 PM

DATE: _____ TIME: _____

DATE: _____ TIME: _____

13 bottles
total for
each well



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Morroville, CA 91015
(926) 385-1100 (926) 586-5227

PLEASE USE EXACT

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY: _____

SAMPLE TEMP, RECEIPT AT LAB: _____

BLUE ICE: _____ FROZEN: _____ PARTIALLY FROZEN: _____ THAWED: _____

TO BE COMPLETED BY SAMPLER

CONTRACT / PROJECT NAME: _____ PROJECT JOB # / PO# _____
Customer / Generator Sample # _____

REFERENCE MAP: _____ DATE: _____
SAMPLER: *Madhubal Brown* TROXER LLC - Henderson Plant
PO Box 55
HENDERSON, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

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

TIME	DATE	LOCATION	IDENTIFIER STATE USE	MATRIX	GRAB	COMP	CR 6010	PH 9040	TDS	CLO4	CRV1 7196	CLO2 9056	NO3 9056	See Bottle Order	SAMPLER COMMENTS
7:31	11-31-07		M-14	RGW	X		X	X	X	X					2 Bottles
7:43	11-31-07		M-15	RGW	X		X	X	X	X					2 Bottles
7:58	11-31-07		M-16	RGW	X		X	X	X	X					2 Bottles
8:23	11-31-07		M-SHA	RGW	X		X	X	X	X					2 Bottles
8:40	11-31-07		M-19	RGW	X		X	X	X	X					2 Bottles
8:59	11-31-07		M-14	RGW	X		X	X	X	X					2 Bottles
9:10	11-31-07		M-99	RGW	X		X	X	X	X					2 Bottles
9:25	11-31-07		M-98	RGW	X		X	X	X	X					2 Bottles
9:25	11-31-07		M-35	RGW	X		X	X	X	X					2 Bottles
9:25	11-31-07		M-37	RGW	X		X	X	X	X					2 Bottles
9:25	11-31-07		EQ-1	RGW	X		X	X	X	X					2 Bottles
9:25	11-31-07		MD-4	RGW	X		X	X	X	X					2 Bottles

Reported by Volume: _____
 CMW = Chlorinated Waste Water
 CMW = Other Waste Water
 SW = Storm Water
 RGW = Raw Ground Water
 RSW = Raw Surface Water

Reported by Weight: _____
 SO = Sol
 SL = Sludge

RECEIVED BY: *Madhubal Brown* SIGNATURE

RECEIVED BY: _____ NAME: *Madhubal Brown*

RECEIVED BY: _____ NAME: _____

DATE: *11-31-07* TIME: *12:00PM*

COMPANY/VEHICLE: *Troxer LLC - Henderson Plant*



MWI Laboratories, a Division of MWI Americas, Inc.
 750 Royal Oaks Avenue Suite 100
 Monrovia CA 91016 (626) 388-1100 FAX (626) 388-1124

Bottle Order for Kerr McGee Chemical Company - Henderson

3 Quarts

Andrew Fator Your MWI Project Manager
 (626) 388-1125 Direct Phone/Voice Mail

Client Code KERRMCGEE-MP A Annual
 Project Code CLO4 Week 1
 PO# / Job#
 Blanket PO

Period

SO# 24686 15934 RS

Sampler: Please Return this Paper with your samples

Billing Address

Created by 0
 Order Date 05/07/05
 Date Needed
 by Client
 Date Samples to Arrive at MWI

Ship Sample Kits to
 Kerr McGee
 8000 West Lake Mead Drive
 Henderson, NV 89015

Kerr McGee Henderson Plant
 P.O. Box 55
 Henderson, NV 89009

ATTN: Susan Crowley
 PHONE: 702-651-2234

ATTN: Susan Crowley
 PHONE: 702-651-2234
 FAX: 702-651-2310

Quote#

of Samples Tests

Bottles - Qty for each sample, type & preservative if any

UN#

Important Comments

# of Samples	Tests	Bottles - Qty for each sample, type & preservative if any	UN#	Important Comments
15	TOC	1 125ml amber glass + 0.5ml H2SO4 (50%)	UN 2766	LANDFILL WELLS: M-5A, M-6A, M-7A, H-28A
4	TOX/UAO	4 250ml amber glass - 1ml H2SO4	UN 2766	
16	PH, EC	1 125ml polypropylene	UN 2766	LOGIN - Please assign 4 lab numbers to each of the quadruplicate tests - TOX, TOC, EC, PH

FOR JULY SAMPLING
 EVENT

Order Code: SI Date Shipped: _____ Carrier: _____ Qty of Orders: _____ Tracking No: _____ Prepared By: _____



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, Matt Rosich Date: 7-30-07

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

Weather Conditions: Overcast 90°F

Well Information:

Total Well Depth: 34.70 feet Time: 5:38

Depth to Water: 23.00 feet

Height of Water Column (L): 11.70 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.87 gal. * 3 = 6 gal

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

Well Volume (VV) Purge Factor Purge Volume

Field Measurements:

Depth Pumping From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>5:40</u>	---	---	---	---	---
<u>5:42</u>	<u>2 gal</u>	<u>7.38</u>	<u>8.85 mS/cm</u>	<u>25.0°C</u>	<u>clear</u>
<u>5:44</u>	<u>4 gal</u>	<u>7.32</u>	<u>8.93 mS/cm</u>	<u>25.0°C</u>	<u>clear</u>
<u>5:45</u>	<u>6 gal</u>	<u>7.32</u>	<u>8.91 mS/cm</u>	<u>24.6°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection - Time Start: 5:46 Time Finished: 5:46

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-126

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-30-07

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

Weather Conditions: Overcast 93°F

Well Information:

Total Well Depth: 33.50 feet Time: 6:10

Depth to Water: 23.65 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): 9.85 feet * 0.16 gal/ft * 0.65 gal/ft * 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>6:12</u>	---	---	---	---	
<u>6:14</u>	<u>2</u> gal	<u>7.33</u>	<u>1.75 mS/cm</u>	<u>24.3°C</u>	<u>Very slightly cloudy</u>
<u>6:15</u>	<u>4</u> gal	<u>7.32</u>	<u>1.52 mS/cm</u>	<u>24.0°C</u>	<u>Very slightly cloudy</u>
<u>6:16</u>	<u>5</u> gal	<u>7.33</u>	<u>1.71 mS/cm</u>	<u>23.9°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 6:17 Time Finished: 6:17

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-126

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-30-07

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

Weather Conditions: Overcast

Well Information:

Total Well Depth: 34.30 feet Time: 6:21

Depth to Water: 22.58 feet

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

Well Volume (VV) Purge Factor Purge Volume

Height of Water Column (L): 11.72 feet * 0.16 gal/ft * 0.55 gal/ft * 1.47 gal/ft = 1.87 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>6:24</u>	---	---	---	---	---
<u>6:26</u>	<u>2 gal</u>	<u>7.18</u>	<u>13.88 mS/cm</u>	<u>24.2 °C</u>	<u>clear</u>
<u>6:28</u>	<u>4 gal</u>	<u>7.15</u>	<u>13.94 mS/cm</u>	<u>23.9 °C</u>	<u>clear</u>
<u>6:30</u>	<u>6 gal</u>	<u>7.16</u>	<u>14.15 mS/cm</u>	<u>23.9 °C</u>	<u>clear</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: clear

Sample Collection - Time Start: 6:31 Time Finished: 6:31

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-127

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-30-07

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

Weather Conditions: overcast 94°

Well Information:

Total Well Depth: 34.70 feet Time: 6:34

Depth to Water: 19.23 feet

	Well Diameter (circle one)	Well	Purge	Purge
	<u>2-in</u> 4-in 6-in	Volume (VV)	Factor	Volume
Height of Water Column (L): <u>15.47</u> feet	<u>0.16 gal/ft</u>	<u>0.05 gal/ft</u>	<u>1.47 gal/ft</u>	<u>= 2.77 gal</u>
			<u>3</u>	<u>= 7 gal</u>

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:35</u>	---	---	---	---	
<u>6:37</u>	<u>3 gal</u>	<u>7.29</u>	<u>8.99 mS/cm</u>	<u>24.4°</u>	<u>clear</u>
<u>6:39</u>	<u>5 gal</u>	<u>7.35</u>	<u>8.83 mS/cm</u>	<u>24.2°</u>	<u>clear</u>
<u>6:40</u>	<u>7 gal</u>	<u>7.32</u>	<u>8.70 mS/cm</u>	<u>24.2°</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection Time Start: 6:41 Time Finished: 6:41

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-128

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-30-07

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

Weather Conditions: overcast 96°F

Well Information:

Total Well Depth: 34.70 feet Time: 1:48

Depth to Water: 18.91 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 (H): 15.79 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>6:50</u>	---	---	---	---	
<u>6:53</u>	<u>3</u> gal	<u>7.56</u>	<u>6.28 mS/cm</u>	<u>25.3°C</u>	<u>slightly cloudy</u>
<u>6:56</u>	<u>6</u> gal	<u>7.51</u>	<u>6.20 mS/cm</u>	<u>25.2°C</u>	<u>clear</u>
<u>6:58</u>	<u>8</u> gal	<u>7.54</u>	<u>6.35 mS/cm</u>	<u>25.2°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 7:00 Time Finished: 7:00

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-129

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-30-07

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

Weather Conditions: Overcast

Well Information:

Total Well Depth: 37.70 feet Time: 7:03

Depth to Water: 18.94 feet

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

Well Volume (VV) Purge Factor Purge Volume

Height of Water Column (L): 18.76 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 3.0 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>7:05</u>	---	---	---	---	---
<u>7:10</u>	<u>3 gal</u>	<u>7.02</u>	<u>6.70 mS/cm</u>	<u>24.3°</u>	<u>Slightly cloudy</u>
<u>7:13</u>	<u>6 gal</u>	<u>7.23</u>	<u>7.13 mS/cm</u>	<u>24.0°</u>	<u>clear</u>
<u>7:16</u>	<u>9 gal</u>	<u>7.13</u>	<u>7.40 mS/cm</u>	<u>24.1°</u>	<u>Slightly cloudy</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: Slightly cloudy

Sample Collection - Time Start: 7:18 Time Finished: 7:18

Analyses: pH / ClO4 / CR / TDS pH / ClO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-130

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michelle Brown, Matt Rosich Date: 7-30-07

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

Weather Conditions: overcast 97°F

Well Information:

Total Well Depth: 49.70 feet Time: 7:21

Depth to Water: 19.12 feet

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

Well Volume (VV) 4.81 gal. * Purge Factor 3 = Purge Volume 14 gal.

Height of Water Column (L): 30.08 feet * 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>7:22</u>	—	—	—	—	—
<u>7:26</u>	<u>5</u> gal	<u>7.33</u>	<u>7.02</u> mS/cm	<u>24.1</u> °C	<u>clear</u>
<u>7:30</u>	<u>10</u> gal	<u>7.27</u>	<u>7.80</u> mS/cm	<u>23.5</u> °C	<u>clear</u>
<u>7:33</u>	<u>14</u> gal	<u>7.33</u>	<u>7.78</u> mS/cm	<u>23.8</u> °C	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 7:34 Time Finished: 7:34

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-131

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-30-07

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

Weather Conditions: Overcast 98°F

Well Information:

Total Well Depth: 39.40 feet Time: 7:38

Depth to Water: 11.42 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): 27.98 feet * 0.16 gal/ft * 0.55 gal/ft * 1.47 gal/ft = 4.47 gal * 3 = 13.92

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
7:40	---	---	---	---	
7:44	5 gal	7.06	13.25 mS/cm	25.3°C	clear
7:47	9 gal	7.19	13.10 mS/cm	25.1°C	clear
7:50	13 gal	7.14	13.29 mS/cm	25.1°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 7:51 MB Time Finished: 7:57 MB

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-132

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michelo Brown, Matt Rosich Date: 7-30-07

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

Weather Conditions: Overcast 99°F

Well Information:

Total Well Depth: 39.70 feet Time: 7:56

Depth to Water: 10.02 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): 29.68 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 4.74 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>7:58</u>	---	---	---	---	
<u>8:02</u>	<u>5</u> gal	<u>7.28</u>	<u>13.09</u> mS/cm	<u>26.4</u> °C	<u>clear</u>
<u>8:05</u>	<u>10</u> gal	<u>7.15</u>	<u>13.00</u> mS/cm	<u>25.9</u> °C	<u>clear</u>
<u>8:07</u>	<u>14</u> gal	<u>7.18</u>	<u>13.03</u> mS/cm	<u>25.8</u> °C	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 8:09 Time Finished: 8:09

Analyses: pH / ClO4 / CR / TDS pH / ClO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-96

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-30-07

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

Weather Conditions: overcast 100°F

Well Information:

Total Well Depth: 116.90 feet Time: 835

Depth to Water: 10.47 feet

Height of Water Column (L): 6.43 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.0 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>838</u>	---	---	---	---	---
<u>840</u>	<u>1 gal</u>	<u>7.49</u>	<u>7.64 mS/cm</u>	<u>27.6 °C</u>	<u>muddy</u>
<u>843</u>	<u>2 gal</u>	<u>7.47</u>	<u>7.77 mS/cm</u>	<u>26.9 °C</u>	<u>muddy</u>
<u>847</u>	<u>3 gal</u>	<u>7.45</u>	<u>7.68 mS/cm</u>	<u>27.7 °C</u>	<u>slightly cloudy</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: _____

Sample Collection - Time Start: 848 Time Finished: 848

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

TOTAL BOTTLES: 2

Comments: _____

Water Sampling Field Log

Well No.: PC-54

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-30-07

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

Weather Conditions: hot clear 103°F

Well Information:

Total Well Depth: 34.60 feet Time: 920

Depth to Water: 15.87 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>18.73</u> feet	* 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft	= <u>2.99</u> gal.	* <u>3</u>	= <u>9</u> gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>922</u>	---	---	---	---	---
<u>924</u>	<u>3</u> gal	<u>7.37</u>	<u>7.18 mS/cm</u>	<u>27.4°</u>	<u>slightly cloudy</u>
<u>926</u>	<u>6</u> gal	<u>7.31</u>	<u>7.14 mS/cm</u>	<u>26.8°</u>	<u>slightly cloudy</u>
<u>929</u>	<u>9</u> gal	<u>7.34</u>	<u>7.13 mS/cm</u>	<u>26.5°</u>	<u>clear w/ yellow tinge</u>
	gal				
	gal				
	gal				

Sample Appearance: clear/w yellow tinge

Sample Collection - Time Start: 930 Time Finished: 930

Analyses: pH / ClO4 / CR / TDS pH / ClO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-48

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-30-07

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

Weather Conditions: hot 103°F humid

Well Information:

Total Well Depth: 38.59 feet Time: 9:37

Depth to Water: 24.79 feet

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

Height of Water Column (L): 13.80 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.2 gal * 3 = 7 gal

Field Measurements:

Depth Pumping From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>9:39</u>	---	---	---	---	---
<u>9:42</u>	<u>3 gal</u>	<u>7.53</u>	<u>3.38 mS/cm</u>	<u>26.7 °C</u>	<u>clear</u>
<u>9:44</u>	<u>5 gal</u>	<u>7.52</u>	<u>3.26 mS/cm</u>	<u>25.9 °C</u>	<u>clear</u>
<u>9:47</u>	<u>7 gal</u>	<u>7.50</u>	<u>3.30 mS/cm</u>	<u>25.7 °C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 9:48 Time Finished: 9:48

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-11

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-30-07

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

Weather Conditions: hot, humid

Well Information:

Total Well Depth: 33.23 feet Time: 1012

Depth to Water: 22.51 feet

Well Diameter (circle one) 2-in. 4-in. 8-in. Well Volume (WV) _____ Purge Factor 3 Purge Volume 5 gal

Height of Water Column (L): 10.72 feet * 0.16 gal/ft * 0.60 gal/ft * 1.47 gal/ft = 1.71 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>1014</u>	---	---	---	---	---
<u>1016</u>	<u>2 gal</u>	<u>7.39</u>	<u>9.38 mS/cm</u>	<u>26.9 °C</u>	<u>clear</u>
<u>1018</u>	<u>4 gal</u>	<u>7.32</u>	<u>9.38 mS/cm</u>	<u>26.4 °C</u>	<u>clear</u>
<u>1019</u>	<u>5 gal</u>	<u>7.32</u>	<u>9.39 mS/cm</u>	<u>26.1 °C</u>	<u>clear</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: clear

Sample Collection - Time Start: 1020 Time Finished: 1020

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-112

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-30-07

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

Weather Conditions: hot humid

Well Information:

Total Well Depth: 39.54 feet Time: 1026
 Depth to Water: 27.42 feet
 Height of Water Column (L): 12.12 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.93 gal. * 3 = 2 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>10:27</u>	—	—	—	—	—
<u>10:29</u>	<u>2 gal</u>	<u>7.34</u>	<u>8.44 mS/cm</u>	<u>27.8 °C</u>	<u>very slightly cloudy</u>
<u>10:31</u>	<u>4 gal</u>	<u>7.33</u>	<u>8.28 mS/cm</u>	<u>27.3 °C</u>	<u>clear</u>
<u>10:34</u>	<u>6 gal</u>	<u>7.38</u>	<u>8.44 mS/cm</u>	<u>27.2 °C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1035 Time Finished: 1035

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-73

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michelo Brown, Matt Rosich Date: 7-30-07

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

Weather Conditions: hot, humid

Well Information:

Total Well Depth: 49.44 feet Time: 10:39

Depth to Water: 30.09 feet

Height of Water Column (L): 19.35 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 3.0 gal. * 3 = 9 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
10:41	—	—	—	—	—
10:43	3 gal	7.29	7.47 mS/cm	27.7°C	Very slightly cloudy
10:46	6 gal	7.31	8.34 mS/cm	27.0°C	Very slightly cloudy
10:48	9 gal	7.31	8.34 mS/cm	26.5°C	clear
10:49	10 gal	7.28	8.31 mS/cm	26.2°C	clear
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1051 Time Finished: 1051

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

TOTAL BOTTLES: 2

Comments: MD-3 taken here 2 bottles

Water Sampling Field Log

Well No.: PC-37

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-30-07

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

Weather Conditions: hot, humid, 104°F

Well Information:

Total Well Depth: 43.08 feet Time: 1056

Depth to Water: 24.37 feet

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

Height of Water Column (L): 18.71 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.99 gal. * 3 = 9 gal

Field Measurements:

Depth Pumping From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1059</u>	—	—	—	—	—
<u>1102</u>	<u>3 gal</u>	<u>7.30</u>	<u>8.88 mS/cm</u>	<u>27.2°C</u>	<u>clear</u>
<u>1105</u>	<u>6 gal</u>	<u>7.37</u>	<u>8.93 mS/cm</u>	<u>26.5°C</u>	<u>clear</u>
<u>1107</u>	<u>9 gal</u>	<u>7.34</u>	<u>8.92 mS/cm</u>	<u>26.2°C</u>	<u>clear</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: clear

Sample Collection - Time Start: 1108 Time Finished: 1108

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-23

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-30-07

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

Weather Conditions: hot, humid 104°F

Well Information:

Total Well Depth: 44.47 feet Time: 1122

Depth to Water: 25.89 feet

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

Well Volume (VV) Purge Factor Purge Volume

Height of Water Column (L): 18.58 feet * 0.16 gal/ft * 0.85 gal/ft * 1.47 gal/ft = 2.97 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>1124</u>	---	---	---	---	---
<u>11:27</u>	<u>3 gal</u>	<u>7.38</u>	<u>5.30 mS/cm</u>	<u>27.2°C</u>	<u>clear</u>
<u>11:29</u>	<u>6 gal</u>	<u>7.31</u>	<u>5.15 mS/cm</u>	<u>26.5°C</u>	<u>clear</u>
<u>11:32</u>	<u>9 gal</u>	<u>7.31</u>	<u>5.18 mS/cm</u>	<u>25.9°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1134 Time Finished: 1134

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

Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments: Dup EC reading taken here

	EC	Temp
1st	5.18	25.9
2nd	5.16	26.2

Water Sampling Field Log

Well No.: M-44

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 11-30-07

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

Weather Conditions: hot, humid

Well Information:

Total Well Depth: 37.65 feet Time: 1206

Depth to Water: 18.72 feet

Height of Water Column (L): 18.93 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 3.0 gal * 3 = 9 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>1208</u>	---	---	---	---	
<u>1210</u>	<u>3</u> gal	<u>7.27</u>	<u>940</u> μ S/cm	<u>26.4</u> °C	<u>clear</u>
<u>1213</u>	<u>6</u> gal	<u>7.30</u>	<u>932</u> μ S/cm	<u>25.7</u> °C	<u>clear</u>
<u>1215</u>	<u>9</u> gal	<u>7.32</u>	<u>932</u> μ S/cm	<u>25.2</u> °C	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1217 Time Finished: 1217

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

TOTAL BOTTLES: 3

Comments:

Water Sampling Field Log

Well No.: M-264

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-31-07

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

Weather Conditions: Overcast 88°F

Well Information:

Total Well Depth: 38.00 feet Time: 7:01

Depth to Water: 29.50 feet

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

Height of Water Column (L): 8.50 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.36 gal * 3 = 4.08 gal

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>7:03</u>	—	—	—	—	—
<u>7:14</u>	<u>2 gal</u>	<u>6.89</u>	<u>7.84 mS/cm</u>	<u>25.8°C</u>	<u>light yellow</u>
<u>7:20</u>	<u>3 gal</u>	<u>6.89</u>	<u>8.89 mS/cm</u>	<u>26.3°C</u>	<u>light yellow</u>
<u>7:25</u>	<u>4 gal</u>	<u>6.91</u>	<u>8.68 mS/cm</u>	<u>26.2°C</u>	<u>light yellow</u>
<u>7:30</u>	<u>5 gal</u>	<u>6.96</u>	<u>9.30 mS/cm</u>	<u>27.0°C</u>	<u>light yellow</u>
	gal				
	gal				

Sample Appearance: light yellow

Sample Collection - Time Start: 7:31 Time Finished: 7:31

Analyses: pH / ClO4 / CR / TDS pH / ClO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-65

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-31-07

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

Weather Conditions: overcast 89°F

Well Information:

Total Well Depth: 40.00 feet Time: 7:35

Depth to Water: 31.19 feet

Height of Water Column (ft): 8.81 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.40 gal. * 3 = 4 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>7:38</u>	—	—	—	—	—
<u>7:40</u>	<u>2 gal</u>	<u>6.59</u>	<u>16.38 mS/cm</u>	<u>25.6 °C</u>	<u>yellow</u>
<u>7:41</u>	<u>3 gal</u>	<u>6.59</u>	<u>16.36 mS/cm</u>	<u>25.6 °C</u>	<u>yellow</u>
<u>7:42</u>	<u>4 gal</u>	<u>6.59</u>	<u>16.36 mS/cm</u>	<u>25.6 °C</u>	<u>yellow</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: yellow

Sample Collection - Time Start: 7:43 Time Finished: 7:43

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-26

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-31-07

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

Weather Conditions: overcast

Well Information:

Total Well Depth: 43.00 feet Time: 7:48

Depth to Water: 31.76 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): 11.24 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.79 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>7:53</u>	---	---	---	---	---
<u>7:55</u>	<u>2</u> gal	<u>6.9</u>	<u>16.40 mS/cm</u>	<u>25.4 °C</u>	<u>yellow</u>
<u>7:56</u>	<u>4</u> gal	<u>6.49</u>	<u>16.54 mS/cm</u>	<u>25.4 °C</u>	<u>yellow</u>
<u>7:57</u>	<u>5</u> gal	<u>6.47</u>	<u>16.36 mS/cm</u>	<u>25.4 °C</u>	<u>yellow</u>
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 7:58 Time Finished: 7:58

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-51A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: _____

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

Weather Conditions: cloudy 92°F

Well Information:

Total Well Depth: 42.40 feet Time: 8:15

Depth to Water: 30.16 feet

Height of Water Column (L): 12.24 feet

Well Diameter (circle one)			Well	Purge	Purge
2-in.	4-in.	6-in.	Volume (WV)	Factor	Volume
0.16 gal/ft	0.65 gal/ft	1.47 gal/ft	= <u>1.95 gal.</u>	• <u>3</u>	= <u>6 gal</u>

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>8:16</u>	—	—	—	—	—
<u>8:18</u>	<u>2 gal</u>	<u>7.28</u>	<u>4.04 mS/cm</u>	<u>25.5°C</u>	<u>slightly cloudy</u>
<u>8:20</u>	<u>4 gal</u>	<u>7.21</u>	<u>4.11 mS/cm</u>	<u>25.2°C</u>	<u>slightly cloudy</u>
<u>8:22</u>	<u>6 gal</u>	<u>7.23</u>	<u>4.10 mS/cm</u>	<u>25.2°C</u>	<u>slightly cloudy</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: slightly cloudy

Sample Collection - Time Start: 8:23 Time Finished: 8:23

Analyses: pH / ClO4 / CR / TDS pH / ClO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-19

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 11-31-07

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

Weather Conditions: overcast 92°F humid

Well Information:

Total Well Depth: 351.60 feet Time: 832

Depth to Water: 29.42 feet

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

Well Volume (WV)	Purge Factor	Purge Volume
= <u>130</u> gal.	= <u>3</u>	= <u>4</u> gal

Height of Water Column (L): 8.18 feet * 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>834</u>	---	---	---	---	---
<u>836</u>	<u>2</u> gal	<u>7.18</u>	<u>2.99 mS/cm</u>	<u>22.7°C</u>	<u>clear</u>
<u>838</u>	<u>3</u> gal	<u>7.16</u>	<u>3.00 mS/cm</u>	<u>22.5°C</u>	<u>clear</u>
<u>839</u>	<u>4</u> gal	<u>7.17</u>	<u>2.95 mS/cm</u>	<u>22.9°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 840 Time Finished: 840

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-69

Project No.: _____ Site: TRONOX LLC - HENDERSON, NEVADA

Sampling Team: Michelle Brown, Matt Rosich Date: 7-31-07

Sampling Method: Electric Pump Dedicated Bailor Non Dedicated Bailor Ready Flo'2"

Weather Conditions: overcast, humid 94°F

Well Information:

Total Well Depth: 40.00 feet Time: 846

Depth to Water: 32.55 feet

Height of Water Column (L): 7.45 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.19 gal * 3 = 4 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>851</u>					
<u>853</u>	<u>2</u> gal	<u>6.87</u>	<u>5.28 mS/cm</u>	<u>25.0°C</u>	<u>clear</u>
<u>854</u>	<u>3</u> gal	<u>6.88</u>	<u>5.23 mS/cm</u>	<u>25.2°C</u>	<u>clear</u>
<u>855</u>	<u>4</u> gal	<u>6.87</u>	<u>5.29 mS/cm</u>	<u>25.2°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 857 Time Finished: 857

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

TOTAL BOTTLES: 2

Comments: MD-4 taken here
2 bottles

Water Sampling Field Log

Well No.: M-99

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michèle Brown, Matt Rosich Date: M-31-07

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

Weather Conditions: Overcast 95°F

Well Information:

Total Well Depth: 32.50 feet Time: 902

Depth to Water: 29.51 feet

Height of Water Column (L): 6.93 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.10 gal * 3 = 3 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>905</u>	---	---	---	---	---
<u>906</u>	<u>1</u> gal	<u>6.88</u>	<u>7.00 mS/cm</u>	<u>25.0 °C</u>	<u>clear</u>
<u>907</u>	<u>2</u> gal	<u>6.89</u>	<u>7.02 mS/cm</u>	<u>24.8 °C</u>	<u>clear</u>
<u>908</u>	<u>3</u> gal	<u>6.84</u>	<u>7.08 mS/cm</u>	<u>24.8 °C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 910 Time Finished: 910

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-98

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-31-07

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

Weather Conditions: overcast humid

Well Information:

Total Well Depth: 33.40 feet Time: 918

Depth to Water: 28.71 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>4.69</u> feet	* 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft		= <u>0.75</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>920</u>	---	---	---	---	
<u>921</u>	<u>1 gal</u>	<u>7.18</u>	<u>3.68 mS/cm</u>	<u>26.5°c</u>	<u>clear</u>
<u>922</u>	<u>2 gal</u>	<u>7.07</u>	<u>4.65 mS/cm</u>	<u>27.0°c</u>	<u>clear</u>
<u>923</u>	<u>3 gal</u>	<u>7.10</u>	<u>4.63 mS/cm</u>	<u>27.0°c</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 925 Time Finished: 925

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

TOTAL BOTTLES: 2

Comments: well pumps sporadically

Water Sampling Field Log

Well No.: M-25

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-31-07

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

Weather Conditions: hot humid

Well Information:

Total Well Depth: 41.47 feet Time: 1219

Depth to Water: 33.44 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>8.03</u> feet	* 0.16 gal/ft * 0.66 gal/ft * 1.47 gal/ft	= <u>1.28</u> gal.	* <u>3</u>	= <u>4</u>

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1221</u>	---	---	---	---	---
<u>1223</u>	gal	<u>6.77</u>	<u>11.09 mS/cm</u>	<u>28.5^oC</u>	<u>clear, yellow</u>
<u>1224</u>	gal	<u>6.74</u>	<u>10.68 mS/cm</u>	<u>27.6^oC</u>	<u>yellow</u>
<u>1225</u>	gal	<u>6.75</u>	<u>10.63 mS/cm</u>	<u>27.2^oC</u>	<u>yellow</u>
	gal				
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: 1225 Time Finished: 1229

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

TOTAL BOTTLES: 2

Comments: _____

Water Sampling Field Log

Well No.: M-34

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-31-09

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

Weather Conditions: hot humid

Well Information:

Total Well Depth: 37.18 feet Time: 1237
 Depth to Water: 32.25 feet
 Height of Water Column (L): 4.93 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .788 gal. * 3 = 2

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

Well Volume (WV) Purge Factor Purge Volume
 = 2

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1239</u>	---	---	---	---	---
<u>1240</u>	gal	<u>6.57</u>	<u>7.87 mS/cm</u>	<u>28.8°C</u>	<u>clear</u>
<u>1241</u>	gal	<u>6.57</u>	<u>8.70 mS/cm</u>	<u>28.5°C</u>	<u>clear</u>
<u>1242</u>	gal	<u>6.57</u>	<u>8.00 mS/cm</u>	<u>28.5°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: 1246 Time Finished: 1246

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

TOTAL BOTTLES: 3

Comments: EB-1 taken here deep EC reading EC TEMP
1252 3 bottles 1st 8.00 28.5°C
AND 7.06 28.4°C
mS/cm

Water Sampling Field Log

Well No.: M-02

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-1-04

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

Weather Conditions: overcast 89°F

Well Information:

Total Well Depth: 48.50 feet Time: 53M

Depth to Water: 37.7M feet

Height of Water Column (L): 10.73 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
$10.73 \text{ feet} \times 0.76 \text{ gal/ft} = 8.15 \text{ gal}$			<u>171</u> gal.	<u>3</u>	<u>513</u> gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
541	—	—	—	—	—
544	2 gal	7.48	227 mS/cm	25.1 °C	very slightly cloudy
546	4 gal	7.56	246 mS/cm	24.7 °C	very slightly cloudy
549	5 gal	7.56	249 mS/cm	24.5 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 548 Time Finished: 548

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-97

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-1-07

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

Weather Conditions: overcast 90°F

Well Information:

Total Well Depth: 52.50 feet Time: 554

Depth to Water: 40.97 feet

Well Diameter (circle one) 2-in Well Volume (VV) 1.824 gal. Purge Factor 3 Purge Volume 6 gal.
2-in. 4-in. 6-in.

Height of Water Column (L): 11.53 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.824 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>557</u>	---	---	---	---	---
<u>559</u>	<u>2</u> gal	<u>7.25</u>	<u>4.90 mS/cm</u>	<u>24.8°c</u>	<u>clear</u>
<u>602</u>	<u>4</u> gal	<u>7.30</u>	<u>4.92 mS/cm</u>	<u>24.2°c</u>	<u>clear</u>
<u>605</u>	<u>6</u> gal	<u>7.24</u>	<u>4.81 mS/cm</u>	<u>24.3°c</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 607 Time Finished: 607

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-93

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-1-07

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

Weather Conditions: Overcast 90°

Well Information:

Total Well Depth: 4900 feet Time: 6:11

Depth to Water: 3675 feet

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

Well Volume (VV) _____ Purge Factor 3 Purge Volume _____ gal. * 3 = _____

Height of Water Column (L): 1225 feet * 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
	gal				
	gal				NO SAMPLE
	gal				Bailer jammed in well
	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

TOTAL BOTTLES: _____

Comments:

Water Sampling Field Log

Well No.: M-31A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Malt Rosich Date: 8-1-07

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

Weather Conditions: overcast

Well Information:

Total Well Depth: 55.00 feet Time: 6:32
 Depth to Water: 46.84 feet
 Height of Water Column (L): 8.16 feet * 0.16 gal/ft * 0.85 gal/ft * 1.47 gal/ft = 1.30 gal. * 3 = 4 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>6:34</u>	---	---	---	---	---
<u>6:39</u>	<u>2</u> gal	<u>7.20</u>	<u>9.94</u> ms/cm	<u>25.4</u> °C	<u>yellow</u>
<u>6:41</u>	<u>3</u> gal	<u>7.05</u>	<u>9.81</u> ms/cm	<u>25.0</u> °C	<u>yellow</u>
<u>6:43</u>	<u>4</u> gal	<u>7.06</u>	<u>9.97</u> ms/cm	<u>24.8</u> °C	<u>yellow</u>
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 6:45 Time Finished: 6:45

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-50

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-1-07

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

Weather Conditions: Overcast 94°F

Well Information:

Total Well Depth: 62.15 feet Time: 651

Depth to Water: 47.02 feet

Height of Water Column (L): 15.13 feet * 0.16 gal/ft * 0.60 gal/ft * 1.47 gal/ft = 2.42 gal. * 3 = 7 gal

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

Field Measurements:

Depth Pumping From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>654</u>	---	---	---	---	---
<u>659</u>	<u>3</u> gal	<u>7.10</u>	<u>15.01 mS/cm</u>	<u>24.2 °C</u>	<u>yellow</u>
<u>702</u>	<u>5</u> gal	<u>7.05</u>	<u>14.93 mS/cm</u>	<u>23.7 °C</u>	<u>yellow</u>
<u>705</u>	<u>7</u> gal	<u>7.06</u>	<u>14.97 mS/cm</u>	<u>23.6 °C</u>	<u>yellow</u>
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 708 Time Finished: 708

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-34

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-1-07

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

Weather Conditions: overcast 95°F breezy

Well Information:

Total Well Depth: 41.83 feet Time: 11:14

Depth to Water: 37.92 feet

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

Height of Water Column (L): 3.91 feet * 0.16 gal/ft * 0.66 gal/ft * 1.47 gal/ft = .62 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>118</u>	---	---	---	---	---
<u>119</u>	<u>1 gal</u>	<u>7.02</u>	<u>10.76 mS/cm</u>	<u>25.7 °C</u>	<u>light yellow</u>
<u>120</u>	<u>2 gal</u>	<u>7.00</u>	<u>11.25 mS/cm</u>	<u>25.0 °C</u>	<u>light yellow</u>
<u>121</u>	<u>3 gal</u>	<u>6.99</u>	<u>11.40 mS/cm</u>	<u>24.7 °C</u>	<u>light yellow</u>
	gal				
	gal				
	gal				

Sample Appearance: light yellow

Sample Collection - Time Start: 123 Time Finished: 123

Analyses: pH / ClO4 / CR / TDS pH / ClO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-35

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-1-07

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

Weather Conditions: overcast breezy 95°F

Well Information:

Total Well Depth: 42.33 feet Time: 128

Depth to Water: 35.97 feet

Height of Water Column (L): 6.36 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.01 gal * 3 = 3 gal

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

Well Volume (VV) Purge Factor Purge Volume
 = 1.01 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>130</u>	---	---	---	---	---
<u>132</u>	<u>1 gal</u>	<u>7.17</u>	<u>6.27 mS/cm</u>	<u>26.9 °C</u>	<u>light yellow</u>
<u>134</u>	<u>2 gal</u>	<u>7.03</u>	<u>7.29 mS/cm</u>	<u>26.6 °C</u>	<u>light yellow</u>
<u>135</u>	<u>3 gal</u>	<u>7.03</u>	<u>7.54 mS/cm</u>	<u>26.6 °C</u>	<u>light yellow</u>
<u>136</u>	<u>4 gal</u>	<u>7.02</u>	<u>7.65 mS/cm</u>	<u>26.7 °C</u>	<u>light yellow</u>
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: light yellow

Sample Collection - Time Start: 138 Time Finished: 138

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-19

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-1-07

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

Weather Conditions: overcast 97°F drizzling

Well Information:

Total Well Depth: 41.20 feet Time: 7:44

Depth to Water: 34.93 feet

Height of Water Column (L): 6.27 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.00 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>7:49</u>					
<u>7:51</u>	<u>1</u> gal	<u>7.23</u>	<u>4.56 mS/cm</u>	<u>24.1 °C</u>	<u>clear</u>
<u>7:52</u>	<u>2</u> gal	<u>7.19</u>	<u>6.08 mS/cm</u>	<u>24.1 °C</u>	<u>clear</u>
<u>7:54</u>	<u>3</u> gal	<u>7.17</u>	<u>6.45 mS/cm</u>	<u>23.8 °C</u>	<u>clear</u>
<u>7:56</u>	<u>4</u> gal	<u>7.16</u>	<u>6.67 mS/cm</u>	<u>23.6 °C</u>	<u>clear</u>
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 7:58 Time Finished: 7:58

Analyses: pH / ClO4 / CR / TDS pH / ClO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments: removed bailer to read DTW

Water Sampling Field Log

Well No.: M-39

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-1-07

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

Weather Conditions: drizzling 99°F

Well Information:

Total Well Depth: 42.60 feet Time: 805

Depth to Water: 32.10 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): 10.50 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.68 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>806</u>	---	---	---	---	
<u>810</u>	<u>2</u> gal	<u>6.99</u>	<u>7.98</u> mscm	<u>25.2°</u>	<u>light yellow tinge</u>
<u>812</u>	<u>4</u> gal	<u>6.97</u>	<u>8.17</u> mscm	<u>25.2°</u>	<u>light yellow tinge</u>
<u>813</u>	<u>5</u> gal	<u>6.97</u>	<u>7.92</u> mscm	<u>25.2°</u>	<u>light yellow tinge</u>
	gal				
	gal				
	gal				

Sample Appearance: light yellow tinge

Sample Collection - Time Start: 815 Time Finished: 815

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-68

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: _____

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

Weather Conditions: drizzling 99°F breezy

Well Information:
Total Well Depth: 41.00 feet Time: 820

Depth to Water: 25.2 feet

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

Height of Water Column (L): 15.88 feet * 0.10 gal/ft * 0.69 gal/ft * 1.47 gal/ft = 2.54 gal. * 3 = 8 gal

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

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>823</u>	---	---	---	---	---
<u>826</u>	<u>3</u> gal	<u>7.27</u>	<u>7.06 mS/cm</u>	<u>25.3°C</u>	<u>clear</u>
<u>828</u>	<u>6</u> gal	<u>7.15</u>	<u>7.30 mS/cm</u>	<u>24.8°C</u>	<u>clear</u>
<u>830</u>	<u>8</u> gal	<u>7.18</u>	<u>7.44 mS/cm</u>	<u>24.8°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection - Time Start: 832 Time Finished: 832

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

Comments: permanently removed water - well casing damaged
Water difficult to remove - Reported to Management last month

TOTAL BOTTLES: 2

Water Sampling Field Log

Well No.: M-61

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-1-07

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

Weather Conditions: overcast 100°F

Well Information:

Total Well Depth: 41.00 feet Time: 837

Depth to Water: 24.64 feet

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

Height of Water Column (L): 16.36 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.61 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>839</u>	---	---	---	---	
<u>841</u>	<u>3 gal</u>	<u>7.24</u>	<u>6.33 mS/cm</u>	<u>24.9°</u>	<u>clear</u>
<u>843</u>	<u>6 gal</u>	<u>7.15</u>	<u>6.27 mS/cm</u>	<u>24.7°</u>	<u>clear</u>
<u>845</u>	<u>8 gal</u>	<u>7.20</u>	<u>6.31 mS/cm</u>	<u>24.6°</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 847 Time Finished: 847

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-67

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-1-07

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

Weather Conditions: overcast

Well Information:

Total Well Depth: 38.00 feet Time: 908

Depth to Water: 22.26 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): 15.74 feet * 0.16 gal/ft = 2.51 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>910</u>	---	---	---	---	---
<u>913</u>	<u>3 gal</u>	<u>6.99</u>	<u>8.62 mS/cm</u>	<u>25.3°c</u>	<u>lite yellow</u>
<u>915</u>	<u>6 gal</u>	<u>7.00</u>	<u>8.62 mS/cm</u>	<u>25.1°c</u>	<u>lite yellow</u>
<u>917</u>	<u>8 gal</u>	<u>6.93</u>	<u>8.48 mS/cm</u>	<u>25.0°c</u>	<u>lite yellow</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: lite yellow

Sample Collection - Time Start: 919 Time Finished: 919

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-12A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michelo Brown, Matt Rosich Date: 8-1-07

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

Weather Conditions: Breezy, overcast 85°F

Well Information:

Total Well Depth: 50.00 feet Time: 9:47

Depth to Water: 41.58 feet

Height of Water Column (L):	<u>8.42</u> feet	Well Diameter (circle one)			Well Volume (VV)	Purge Factor	Purge Volume
		<u>2-in.</u>	4-in.	6-in.			
		* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= <u>1.34</u> gal.	* <u>3</u>	= <u>4</u> gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>9:50</u>	---	---	---	---	---
<u>9:53</u>	<u>2 gal</u>	<u>7.71</u>	<u>9.59 mS/cm</u>	<u>25.3°C</u>	<u>yellow</u>
<u>9:55</u>	<u>3 gal</u>	<u>7.65</u>	<u>9.24 mS/cm</u>	<u>25.0°C</u>	<u>yellow</u>
<u>9:57</u>	<u>4 gal</u>	<u>7.64</u>	<u>9.19 mS/cm</u>	<u>24.9°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

Dup EC reading TOTAL BOTTLES: 3

Comments: MD-2 taken here 3btl EB-2 taken here 3btl 1004

Water Sampling Field Log

Well No.: M-87

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-2-07

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

Weather Conditions: clear humid 81°F

Well Information:

Total Well Depth: 41.00 feet Time: 715

Depth to Water: 36.19 feet

Height of Water Column (L): 4.81 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>.76</u> gal.	<u>3</u>	= <u>3</u> gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>721</u>	---	---	---	---	---
<u>722</u>	<u>1</u> gal	<u>7.57</u>	<u>2.81 mS/cm</u>	<u>24.6°C</u>	<u>clear</u>
<u>723</u>	<u>2</u> gal	<u>7.39</u>	<u>2.90 mS/cm</u>	<u>24.0°C</u>	<u>clear</u>
<u>724</u>	<u>3</u> gal	<u>7.33</u>	<u>3.11 mS/cm</u>	<u>23.9°C</u>	<u>slightly cloudy</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 726 Time Finished: 726

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-14

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michela Brown, Matt Rosich Date: 8-2-07

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

Weather Conditions: clear, humid 82°F

Well Information:

Total Well Depth: 39.00 feet Time: 1132

Depth to Water: 29.46 feet

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

Well Volume (VV) Purge Factor Purge Volume

Height of Water Column (L): 9.54 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.52 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>11:36</u>	---	---	---	---	---
<u>11:38</u>	<u>2</u> gal	<u>7.24</u>	<u>7.55 mS/cm</u>	<u>25.4 °C</u>	<u>clear</u>
<u>11:40</u>	<u>4</u> gal	<u>7.17</u>	<u>7.59 mS/cm</u>	<u>25.2 °C</u>	<u>clear</u>
<u>11:41</u>	<u>5</u> gal	<u>7.20</u>	<u>7.72 mS/cm</u>	<u>25.2 °C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1143 Time Finished: 1143

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

TOTAL BOTTLES: 2

Comments: Removed bailer do read DTW

Water Sampling Field Log

Well No.: W-13

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-2-07

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

Weather Conditions: clear, humid 83°F

Well Information:

Total Well Depth: 36.00 feet Time: 7:47

Depth to Water: 29.14 feet

Height of Water Column (L): 6.86 feet

Well Diameter (circle one)			Well	Purge	Purge
2-in.	4-in.	6-in.	Volume (WV)	Factor	Volume
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	= 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>7:49</u>	_____	_____	_____	_____	_____
<u>7:50</u>	<u>1 gal</u>	<u>7.30</u>	<u>4.77 mS/cm</u>	<u>25.3°C</u>	<u>slightly cloudy w/ yellow tinge</u>
<u>7:52</u>	<u>2 gal</u>	<u>7.35</u>	<u>4.53 mS/cm</u>	<u>25.1°C</u>	<u>clear w/ slight yellow tinge</u>
<u>7:53</u>	<u>3 gal</u>	<u>7.39</u>	<u>4.38 mS/cm</u>	<u>25.0°C</u>	<u>same</u>
	gal				
	gal				
	gal				

Sample Appearance: clear w/ slight yellow tinge

Sample Collection - Time Start: 7:55 Time Finished: 7:55

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-18

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-2-07

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

Weather Conditions: Humid Clear, 84°F

Well Information:

Total Well Depth: 29.80 feet Time: 800

Depth to Water: 29.20 feet

Height of Water Column (L): 1.60 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = gal. * 3 =

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
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	NO SAMPLE
_____	_____ gal	_____	_____	_____	WELL Considered Dry
_____	_____ 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

TOTAL BOTTLES: _____

Comments:

removed barker
do need DTW

Water Sampling Field Log

Well No.: U-88

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-2-04

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

Weather Conditions: humid 84°F

Well Information:

Total Well Depth: 3900 feet Time: 804

Depth to Water: 31.33 feet

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

Well Volume (WV)	Purge Factor	Purge Volume
= 1.22 gal.	3	= 4 gal

Height of Water Column (L): 7.67 feet * 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
805	—	—	—	—	—
807	2 gal	7.29	8.49 mS/cm	25.9 °C	clear
808	3 gal	7.19	8.39 mS/cm	25.4 °C	clear
809	4 gal	7.17	8.41 mS/cm	25.3 °C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 811 Time Finished: 811

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-102

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-2-07

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

Weather Conditions: humid clear 85°F

Well information:

Total Well Depth: 4350 feet Time: 817

Depth to Water: 3989 feet

Height of Water Column (L): 3.61 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
• 0.16 gal/ft • 0.65 gal/ft • 1.47 gal/ft	= <u>157</u> gal.	• <u>3</u>	= <u>3</u> gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>821</u>	---	---	---	---	---
<u>822</u>	<u>1</u> gal	<u>7.68</u>	<u>244</u> μ S/cm	<u>26.0</u> °C	<u>cloudy</u>
<u>823</u>	<u>2</u> gal	<u>7.52</u>	<u>241</u> μ S/cm	<u>25.5</u> °C	<u>slightly cloudy</u>
<u>824</u>	<u>3</u> gal	<u>7.49</u>	<u>242</u> μ S/cm	<u>25.4</u> °C	<u>slightly cloudy</u>
<u>825</u>	<u>4</u> gal	<u>7.48</u>	<u>276</u> μ S/cm	<u>25.1</u> °C	<u>slightly cloudy</u>
	gal				
	gal				

Sample Appearance: slightly cloudy

Sample Collection Time Start: 827 Time Finished: 837

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

Comments: removed bailer to read DTW TOTAL BOTTLES: 2

Water Sampling Field Log

Well No.: M-101

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Malt Rosich Date: 8-2-07

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

Weather Conditions: humid clear 86°F

Well Information:

Total Well Depth: 31.20 feet Time: 833

Depth to Water: 30.37 feet

Well Diameter (circle one)	Well Volume (WV)	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): .83 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .13 gal * 3 = 1.5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>835</u>	---	---	---	---	---
<u>842</u>	<u>.5</u> gal	<u>7.86</u>	<u>1.07 mS/cm</u>	<u>30.5 °C</u>	<u>clear</u>
<u>848</u>	<u>1</u> gal	<u>7.63</u>	<u>2.32 mS/cm</u>	<u>29.1 °C</u>	<u>clear</u>
<u>854</u>	<u>1.5</u> gal	<u>7.44</u>	<u>3.39 mS/cm</u>	<u>28.7 °C</u>	<u>clear</u>
<u>858</u>	<u>2</u> gal	<u>7.61</u>	<u>3.57 mS/cm</u>	<u>29.2 °C</u>	<u>clear</u>
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: 858 Time Finished: 858

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

TOTAL BOTTLES: 2

Comments: Removed bailer to read DTW
well purges dry

Water Sampling Field Log

Well No.: M-86

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michelle Brown, Matt Rosich Date: 8-2-07

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

Weather Conditions: humid

Well Information:

Total Well Depth: 43.00 feet Time: 925

Depth to Water: 32.51 feet

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

Well Volume (VV) Purge Factor Purge Volume

Height of Water Column (L): 10.49 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.127 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>928</u>	—	—	—	—	—
<u>930</u>	<u>2 gal</u>	<u>7.16</u>	<u>4.54 mS/cm</u>	<u>25.1 °C</u>	<u>clear</u>
<u>931</u>	<u>4 gal</u>	<u>7.17</u>	<u>4.66 mS/cm</u>	<u>24.1 °C</u>	<u>clear</u>
<u>932</u>	<u>5 gal</u>	<u>7.13</u>	<u>4.62 mS/cm</u>	<u>24.0 °C</u>	<u>clear</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: clear

Sample Collection - Time Start: 934 Time Finished: 934

Analyses: pH / ClO4 / CR / TDS pH / ClO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-81A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-2-07

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

Weather Conditions: humid

Well Information:

Total Well Depth: 4160 feet Time: 928

Depth to Water: 3121 feet

			Well	Purge	Purge
			Volume (WV)	Factor	Volume
			<u>2-in</u>		
			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				DTW ONLY
	gal				
	gal				NO SAMPLE
	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

TOTAL BOTTLES: _____

Comments:

Water Sampling Field Log

Well No.: M-80

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michale Brown, Matt Rosich Date: 8-2-07

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

Weather Conditions: humid

Well Information:

Total Well Depth: 43.70 feet Time: ~~9:30~~ ^{M3} 9:39

Depth to Water: 31.40 feet

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

Height of Water Column (L): 12.24 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 / CR5 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: _____

Comments: _____

Water Sampling Field Log

Well No.: M-84

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: _____

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

Weather Conditions: humid 89°F

Well Information:

Total Well Depth: 36.60 feet Time: 9:39

Depth to Water: 27.44 feet

Height of Water Column (L): 9.16 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.	= 1.46 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>9:39</u>	---	---	---	---	---
<u>9:41</u>	<u>2</u> gal	<u>7.53</u>	<u>1.22 mS/cm</u>	<u>24.0°C</u>	<u>clear</u>
<u>9:42</u>	<u>3</u> gal	<u>7.48</u>	<u>1.28 mS/cm</u>	<u>22.5°C</u>	<u>clear</u>
<u>9:43</u>	<u>4</u> gal	<u>7.50</u>	<u>1.30 mS/cm</u>	<u>22.6°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 9:45 Time Finished: 9:45

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

TOTAL BOTTLES: 3

Comments:

Water Sampling Field Log

Well No.: M-100

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Resich Date: _____

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

Weather Conditions: humid

Well Information:

Total Well Depth: 32.80 feet Time: 9:50

Depth to Water: 28.66 feet

	Well Diameter (circle one)		Well	Purge	Purge
	2-in. <input checked="" type="radio"/> 4-in. <input type="radio"/> 6-in. <input type="radio"/>		Volume (VV)	Factor	Volume
Height of Water Column (L): <u>4.14</u> feet					
	* 0.15 gal/ft * 0.65 gal/ft * 1.47 gal/ft				
			= <u>.166 gal.</u>	* 3	= <u>2 gal</u>

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>9:55</u>	---	---	---	---	---
<u>10:09</u>	<u>1 gal</u>	<u>7.49</u>	<u>2.03 mS/cm</u>	<u>24.2°C</u>	<u>clear</u>
<u>10:17</u>	<u>1.5 gal</u>	<u>7.44</u>	<u>2.06 mS/cm</u>	<u>23.4°C</u>	<u>clear</u>
<u>10:25</u>	<u>2 gal</u>	<u>7.42</u>	<u>2.03 mS/cm</u>	<u>23.2°C</u>	<u>clear</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: clear

Sample Collection - Time Start: 10:30 Time Finished: 10:30

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

Comments: removed bottles do read BTW TOTAL BOTTLES: 3

Water Sampling Field Log

Well No.: M-36

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosch Date: 8-2-07

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

Weather Conditions: humid

Well Information:

Total Well Depth: 37.85 feet Time: 1034

Depth to Water: 32.42 feet

Height of Water Column (L): 5.43 feet

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

= 1.86 gal. * 3 = 3 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>1035</u>	—	—	—	—	—
<u>1058</u>	<u>1</u> gal	<u>6.78</u>	<u>16.31 mS/cm</u>	<u>26.2 °C</u>	<u>yellow</u>
<u>1101</u>	<u>2</u> gal	<u>6.83</u>	<u>16.41 mS/cm</u>	<u>26.1 °C</u>	<u>yellow</u>
<u>1105</u>	<u>3</u> gal	<u>6.93</u>	<u>16.57 mS/cm</u>	<u>25.8 °C</u>	<u>yellow</u>
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 1107 Time Finished: 1107

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

TOTAL BOTTLES: 3

Comments:

Water Sampling Field Log

Well No.: M-11

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-2-07

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

Weather Conditions: humid

Well Information:

Total Well Depth: 58.00 feet Time: 1115

Depth to Water: 43.82 feet

	Well Diameter (circle one)				
	2-in. 4-in. <u>6-in.</u>				
Height of Water Column (L): <u>14.18</u> feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= <u>20.8</u> gal.	* 3 = <u>63</u> gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1120</u>	---	---	---	---	---
<u>1125</u>	<u>21</u> ^{NO} gal	<u>7.49</u>	<u>433</u> mS/cm	<u>25.2</u> °C	<u>slightly cloudy</u>
<u>1131</u>	<u>21</u> gal	<u>7.68</u>	<u>439</u> mS/cm	<u>26.2</u> °C	<u>clear</u>
<u>1133</u>	<u>21</u> gal	<u>7.76</u>	<u>434</u> mS/cm	<u>25.4</u> °C	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection - Time Start: 1135 Time Finished: 1135

Analyses: <u>pH / CLO4 / OR / TDS</u>	Analyses: <u>pH / CLO4 / CR6 / TDS / OR</u>
Bottles: <u>2</u> Bottles	Bottles: <u>3</u> Bottles

TOTAL BOTTLES: 3

Comments:

Water Sampling Field Log

Well No.: M-10

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-2-07

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

Weather Conditions: humid

Well Information:

Total Well Depth: 69.45 feet Time: 1:45

Depth to Water: 49.47 feet

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

Well Volume (WV) 2437 gal. 3 88 gal

Purge Factor 3 88 gal

Purge Volume 3 88 gal

Height of Water Column (L): 19.98 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2437 gal. * 3 = 88 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>11:50</u>	---	---	---	---	---
<u>12:00</u>	<u>30</u> gal	<u>6.84</u>	<u>4.03 ms/cm</u>	<u>26.7</u>	<u>clear</u>
<u>12:15</u>	<u>29</u> gal	<u>6.87</u>	<u>4.03 ms/cm</u>	<u>27.1</u>	<u>clear</u>
<u>12:30</u>	<u>29</u> gal	<u>6.91</u>	<u>3.94 ms/cm</u>	<u>27.2</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: 12:35 Time Finished: 12:35

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

Bottles: 2 Bottles 3 Bottles

Comments: xtra cooler collected here Dup EC reading

TOTAL BOTTLES: 3

Water Sampling Field Log

Well No.: M-85

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-3-07

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

Weather Conditions: 81°F

Well Information:

Total Well Depth: 38.87 feet Time: 550

Depth to Water: 30.21 feet

Height of Water Column (L): 8.66 feet * 2-in. Well Diameter (circle one) * 0.16 gal/ft * 0.66 gal/ft * 1.47 gal/ft = 1.38 gal. * 3 = 4 gal

Well Volume (WV) Purge Factor Purge Volume
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>552</u>	---	---	---	---	---
<u>556</u>	<u>2</u> gal	<u>7.50</u>	<u>1.33 mS/cm</u>	<u>21.1°c</u>	<u>clear</u>
<u>558</u>	<u>3</u> gal	<u>7.59</u>	<u>1.36 mS/cm</u>	<u>20.7°c</u>	<u>clear</u>
<u>559</u>	<u>4</u> gal	<u>7.59</u>	<u>1.35 mS/cm</u>	<u>20.7°c</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 6:00 Time Finished: 6:00

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-83

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-3-07

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

Weather Conditions: 81°F

Well Information:

Total Well Depth: 42.50 feet Time: 605

Depth to Water: 28.02 feet

Well Diameter (circle one) 2-in 4-in 6-in
 Well Volume (VV) Purge Factor Purge Volume
 Height of Water Column (L): 14.48 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.31 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>606</u>	—	—	—	—	—
<u>609</u>	<u>3 gal</u>	<u>7.46</u>	<u>1.29 mS/cm</u>	<u>19.6 °C</u>	<u>clear</u>
<u>611</u>	<u>5 gal</u>	<u>7.47</u>	<u>1.27 mS/cm</u>	<u>19.1 °C</u>	<u>clear</u>
<u>612</u>	<u>7 gal</u>	<u>7.45</u>	<u>1.28 mS/cm</u>	<u>19.2 °C</u>	<u>clear</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: clear

Sample Collection - Time Start: 613 Time Finished: 613

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-10

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-3-07

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

Weather Conditions: 83°F Humid

Well Information:

Total Well Depth: 41.00 feet Time: 6:18

Depth to Water: 32.08 feet

Height of Water Column (L): 8.92 feet

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

Well Volume (WV) = 1.42 gal * Purge Factor 3 = Purge Volume 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:20</u>	---	---	---	---	---
<u>6:22</u>	<u>2</u> gal	<u>7.03</u>	<u>10.01</u> mscm	<u>24.5</u> °C	<u>slight yellow tinge</u>
<u>6:23</u>	<u>3</u> gal	<u>7.04</u>	<u>10.38</u> mscm	<u>24.6</u> °C	<u>same</u>
<u>6:24</u>	<u>4</u> gal	<u>7.06</u>	<u>10.21</u> mscm	<u>24.6</u> °C	<u>same</u>
	gal				
	gal				
	gal				

Sample Appearance: slight yellow tinge

Sample Collection - Time Start: 6:20 Time Finished: 6:26

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-71

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-3-07

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

Weather Conditions: humid

Well Information:

Total Well Depth: 43.00 feet Time: 6:30

Depth to Water: 32.90 feet

Height of Water Column (L): 10.10 feet * 0.18 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.76 gal. * 3 = 5.28 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>6:31</u>	---	---	---	---	---
<u>6:33</u>	<u>2</u> gal	<u>7.00</u>	<u>8.32 mS/cm</u>	<u>24.2°</u>	<u>slight yellow tinge</u>
<u>6:35</u>	<u>4</u> gal	<u>7.02</u>	<u>8.32 mS/cm</u>	<u>24.6°</u>	<u>same</u>
<u>6:36</u>	<u>5</u> gal	<u>7.00</u>	<u>8.30 mS/cm</u>	<u>24.6°</u>	<u>same</u>
	gal				
	gal				
	gal				

Sample Appearance: slight yellow tinge

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-72

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-3-07

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

Weather Conditions: humid 84°

Well Information:

Total Well Depth: 31.00 feet Time: 6:44

Depth to Water: 32.25 feet

Height of Water Column (L): 3.75 feet * 2-in. Well Diameter (circle one) * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .06 gal. * 3 = 2 gal

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>6:45</u>	---	---	---	---	---
<u>6:46</u>	<u>1</u> gal	<u>7.34</u>	<u>1.53</u> mS/cm	<u>28.2</u> °C	<u>clear</u>
<u>6:49</u>	<u>1.5</u> gal	<u>6.95</u>	<u>9.29</u> mS/cm	<u>25.5</u> °C	<u>very slight yellow tinge</u>
<u>6:52</u>	<u>2</u> gal	<u>7.05</u>	<u>9.34</u> mS/cm	<u>25.3</u> °C	<u>very slight yellow tinge</u>
<u>6:55</u>	<u>2.5</u> gal	<u>7.08</u>	<u>9.45</u> mS/cm	<u>25.3</u> °C	<u>very slight yellow tinge</u>
	gal				
	gal				

Sample Appearance: Very slight yellow tinge

Sample Collection - Time Start: 6:58 Time Finished: 6:58

Analyses: pH / ClO4 / CR / TDS pH / ClO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

TOTAL BOTTLES: 2

Comments: Removed Bailer to near DTW well purges dry

Water Sampling Field Log

Well No.: M-224

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-3-07

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

Weather Conditions: Humid

Well Information:

Total Well Depth: 36.92 feet Time: 702

Depth to Water: 35.64 feet

Height of Water Column (L): 6.28 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.00 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>703</u>	—	—	—	—	—
<u>705</u>	<u>1 gal</u>	<u>6.93</u>	<u>14.35 mS/cm</u>	<u>24.7 °C</u>	<u>yellow</u>
<u>706</u>	<u>2 gal</u>	<u>6.91</u>	<u>15.79 mS/cm</u>	<u>24.6 °C</u>	<u>yellow</u>
<u>707</u>	<u>3 gal</u>	<u>6.94</u>	<u>15.69 mS/cm</u>	<u>24.5 °C</u>	<u>yellow</u>
<u>708</u>	<u>4 gal</u>	<u>6.94</u>	<u>15.72 mS/cm</u>	<u>24.6 °C</u>	<u>yellow</u>
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: yellow

Sample Collection - Time Start: 710 Time Finished: 710

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-38

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-3-07

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

Weather Conditions: Humid

Well Information:

Total Well Depth: 36.82 feet Time: 0713

Depth to Water: 31.43 feet

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

Well Volume (WV) Purge Factor Purge Volume
 Height of Water Column (L): 5.39 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .86 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>0716</u>	1 gal	<u>6.87</u>	<u>14.47 us/cm</u>	<u>24.5</u>	<u>yellow</u>
<u>0719</u>	2 gal	<u>6.96</u>	<u>14.21 us/cm</u>	<u>24.4</u>	<u>yellow</u>
<u>0722</u>	3 gal	<u>6.97</u>	<u>14.24 us/cm</u>	<u>24.1</u>	<u>yellow</u>
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 0723 Time Finished: 0723

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-89

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michèle Brown, Matt Rosich Date: 8-3-07

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

Weather Conditions: Humid 87°F

Well Information: _____

Total Well Depth: 39.00 feet Time: 1701

Depth to Water: 33.13 feet

Height of Water Column (L): 5.27 feet

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

Well Volume (VV) Purge Factor Purge Volume
 = 84 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>1733</u>	---	---	---	---	---
<u>1735</u>	<u>1 gal</u>	<u>6.82</u>	<u>12.53 mS/cm</u>	<u>25.2°</u>	<u>yellow</u>
<u>1736</u>	<u>2 gal</u>	<u>6.84</u>	<u>13.33 mS/cm</u>	<u>24.8°</u>	<u>yellow</u>
<u>1737</u>	<u>3 gal</u>	<u>6.87</u>	<u>13.30 mS/cm</u>	<u>24.6°</u>	<u>yellow</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: yellow

Sample Collection - Time Start: 1739 Time Finished: 1739

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

TOTAL BOTTLES: 2

Comments: _____

Water Sampling Field Log

Well No.: M-17A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-3-07

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

Weather Conditions: humid 88°F

Well Information:

Total Well Depth: 45.00 feet Time: 7:42

Depth to Water: 33.41 feet

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

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 11.59 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.85 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>7:44</u>	—	—	—	—	—
<u>7:47</u>	<u>2 gal</u>	<u>7.07</u>	<u>14.40 ns/cm</u>	<u>24.4°C</u>	<u>yellow</u>
<u>7:49</u>	<u>4 gal</u>	<u>7.01</u>	<u>14.39 ns/cm</u>	<u>24.3°C</u>	<u>yellow</u>
<u>7:51</u>	<u>6 gal</u>	<u>6.97</u>	<u>14.48 ns/cm</u>	<u>23.9°C</u>	<u>yellow</u>
—	<u>gal</u>	—	—	—	—
—	<u>gal</u>	—	—	—	—
—	<u>gal</u>	—	—	—	—

Sample Appearance: yellow

Sample Collection - Time Start: 7:53 Time Finished: 7:53

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-115

Project No.: _____ Site: TRONOX LLC, HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-3-07

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

Weather Conditions: Windy

Well Information:

Total Well Depth: 47.40 feet Time: 802

Depth to Water: 38.47 feet

Height of Water Column (L): 8.93 feet

Well Diameter (circle one)			Well	Purge	Purge
2-in.	4-in.	6-in.	Volume (WV)	Factor	Volume
<input checked="" type="radio"/> 2-in.			* 0.18 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>803</u>	---	---	---	---	---
<u>805</u>	<u>2</u> gal	<u>7.56</u>	<u>385</u> μ S/cm	<u>25.0</u> °C	<u>slightly cloudy</u>
<u>806</u>	<u>3</u> gal	<u>7.52</u>	<u>315</u> μ S/cm	<u>25.0</u> °C	<u>cloudy</u>
<u>807</u>	<u>4</u> gal	<u>7.46</u>	<u>319</u> μ S/cm	<u>24.8</u> °C	<u>very slightly cloudy</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 810 Time Finished: 810

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

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-14A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-3-07

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

Weather Conditions: humid 93°F

Well Information:

Total Well Depth: 42.40 feet Time: 8:14

Depth to Water: 33.31 feet

Height of Water Column (L): 9.09 feet * 2-in. Well Diameter (circle one) * 0.15 gal/ft * 4-in. * 0.65 gal/ft * 6-in. * 1.47 gal/ft = 1.45 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>8:16</u>	---	---	---	---	---
<u>8:18</u>	<u>2 gal</u>	<u>7.47</u>	<u>4.30 mS/cm</u>	<u>25.6°C</u>	<u>slightly cloudy</u>
<u>8:19</u>	<u>3 gal</u>	<u>7.35</u>	<u>4.39 mS/cm</u>	<u>25.3°C</u>	<u>slightly cloudy</u>
<u>8:20</u>	<u>4 gal</u>	<u>7.37</u>	<u>4.33 mS/cm</u>	<u>25.1°C</u>	<u>slightly cloudy</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: slightly cloudy

Sample Collection - Time Start: 8:22 Time Finished: 8:22

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

TOTAL BOTTLES: 2

Comments: Dup ec reading 2ND EC TEMP
4.37 25.3°C
mS/cm

Water Sampling Field Log

Well No.: 1-D

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-31-07

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

Weather Conditions: cool cloudy

Well Information:

Total Well Depth: 43.80 feet Time: 5:13

Depth to Water: 37.12 feet

Height of Water Column (L): 6.68 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>5:14</u>	<u>1521 μS/cm</u>	<u>25.4^oC</u>	<u>6.67</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 5:15 Time Finished: 5:15

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, Matt Rosich Date: 7-31-07

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

Weather Conditions: cloudy cool

Well Information:

Total Well Depth: 47.80 feet Time: 517

Depth to Water: 38.38 feet

Height of Water Column (L): 9.42 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>518</u>	<u>15.33 mscm</u>	<u>25.6°c</u>	<u>6.92</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 519 Time Finished: 519

Analyses: pH / CLO4 / 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, Matt Rosich Date: 7-31-07

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

Weather Conditions: cloudy cool

Well Information:

Total Well Depth: 46.50 feet Time: 519

Depth to Water: 42.21 feet

Height of Water Column (L): 4.29 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>520</u>	<u>162 μm/cm</u>	<u>25.6^oC</u>	<u>6.23</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 521 Time Finished: 521

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, Matt Rosich Date: 7-31-07

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

Weather Conditions: cloudy cool

Well Information:

Total Well Depth: 47.60 feet Time: 5:21

Depth to Water: 33.29 feet

Height of Water Column (L): 14.31 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>5:22</u>	<u>17.28 us/cm</u>	<u>29.7 °C</u>	<u>6.49</u>	<u>dark brownish orange</u>

Sample Appearance: Dark brownish orange

Sample Collection - Time Start: 5:23 Time Finished: 5:23

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, Matt Rosich Date: 7-31-07

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

Weather Conditions: cloudy cool

Well Information:

Total Well Depth: 47.80 feet Time: 5:24

Depth to Water: 37.51 feet

Height of Water Column (L): 10.29 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>5:25</u>	<u>17.02 mS/cm</u>	<u>28.7°</u>	<u>6.49</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 5:26 Time Finished: 5:26

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

Comments:

Water Sampling Field Log

Well No.: 1-G

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-31-07

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

Weather Conditions: cool, cloudy

Well Information:

Total Well Depth: 42.60 feet Time: 803

Depth to Water: 30.52 feet

Height of Water Column (L): 12.08 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
_____	_____	_____	_____	_____

Sample Appearance: NO SAMPLE - WELL O/S

Sample Collection - Time Start: _____ Time Finished: _____

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

Comments:

Water Sampling Field Log

Well No.: 1-Q

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Resich Date: 4-31-07

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

Weather Conditions: cool cloudy

Well Information:

Total Well Depth: 43.80 feet Time: 527

Depth to Water: 34.06 feet

Height of Water Column (L): 9.74 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>528</u>	<u>16.50 mS/cm</u>	<u>28.4°C</u>	<u>6.78</u>	<u>clear yellow</u>

Sample Appearance: clear yellow

Sample Collection - Time Start: 529 Time Finished: 529

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, Matt Rosich Date: 4-31-07

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

Weather Conditions: Cool Cloudy

Well Information:

Total Well Depth: 45.80 feet Time: 530

Depth to Water: 27.94 feet

Height of Water Column (L): 17.86 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>531</u>	<u>14.7605/cm</u>	<u>25.9^{0C}</u>	<u>6.58</u>	<u>light yellow</u>

Sample Appearance: light yellow

Sample Collection - Time Start: 532 Time Finished: 532

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, Malt Rosich Date: 7-31-07

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

Weather Conditions: cool cloudy

Well Information:

Total Well Depth: 41.70 feet Time: 533

Depth to Water: 31.44 feet

Height of Water Column (L): 10.26 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>534</u>	<u>12.16 uS/cm</u>	<u>26.0°C</u>	<u>6.49</u>	<u>light yellow</u>

Sample Appearance: light yellow

Sample Collection - Time Start: 535 Time Finished: 535

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, Matt Rosich Date: 7-31-07

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

Weather Conditions: cool cloudy

Well Information:

Total Well Depth: 46.10 feet Time: 535

Depth to Water: 37.22 feet

Height of Water Column (L): 9.48 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>536</u>	<u>1134 μS/cm</u>	<u>26.1^oC</u>	<u>6.67</u>	<u>light yellow</u>

Sample Appearance: light yellow

Sample Collection - Time Start: 537 Time Finished: 537

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, Matt Rosich Date: 7-31-07

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

Weather Conditions: cool, cloudy

Well Information:

Total Well Depth: 43.70 feet Time: 537

Depth to Water: 34.33 feet

Height of Water Column (L): 9.37 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>538</u>	<u>10.98 mS/cm</u>	<u>25.6 °C</u>	<u>6.67</u>	<u>light yellow</u>

Sample Appearance: light yellow

Sample Collection - Time Start: 539 Time Finished: 539

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

Comments:

Water Sampling Field Log

Well No.: 1-D

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-31-07

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

Weather Conditions: cool, cloudy

Well Information:

Total Well Depth: 47.70 feet Time: 540

Depth to Water: 39.77 feet

Height of Water Column (L): 7.93 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>541</u>	<u>10.70 mS/cm</u>	<u>26.4^oC</u>	<u>6.93</u>	<u>Very light yellow</u>

Sample Appearance: Very light yellow

Sample Collection - Time Start: 542 Time Finished: 542

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, Matt Rosich Date: 7-31-07

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

Weather Conditions: cool, cloudy

Well Information: 47.17
Total Well Depth: 43.80 feet - Time: 543 found TWD
Depth to Water: 44.61 feet to be 47.17

Height of Water Column (L): 2.56 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>544</u>	<u>9.41 mS/cm</u>	<u>25.4°C</u>	<u>6.86</u>	<u>very light yellow</u>

Sample Appearance: Very light yellow

Sample Collection - Time Start: 545 Time Finished: 545

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

Comments:

Water Sampling Field Log

Well No.: 1-S

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-31-07

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

Weather Conditions: cool cloudy

Well Information:

Total Well Depth: 47.70 feet Time: 546

Depth to Water: 42.23 feet

Height of Water Column (L): 5.47 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>547</u>	<u>804 μS/cm</u>	<u>25.6°</u>	<u>6.87</u>	<u>clear</u>

Sample Appearance: clear

Sample Collection - Time Start: 548 Time Finished: 548

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, Matt Rosich Date: 7-31-07

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

Weather Conditions: cool cloudy

Well Information:

Total Well Depth: 43.40 feet Time: 550

Depth to Water: 31.03 feet

Height of Water Column (L): 12.37 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>551</u>	<u>8160 ns/cm</u>	<u>27.2°</u>	<u>6.61</u>	<u>clear</u>

Sample Appearance: clear

Sample Collection - Time Start: 552 Time Finished: 552

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, Matt Rosich Date: 7-31-07

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

Weather Conditions: cool cloudy

Well Information:

Total Well Depth: 45.30 feet Time: 553

Depth to Water: 35.92 feet

Height of Water Column (L): 9.38 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>554</u>	<u>8178 mS/cm</u>	<u>26.3°</u>	<u>6.91</u>	<u>clear</u>

Sample Appearance: clear

Sample Collection - Time Start: 555 Time Finished: 555

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

Comments:

Water Sampling Field Log

Well No.: 1-B

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-31-07

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

Weather Conditions: cool, cloudy

Well Information:

Total Well Depth: 45.70 feet Time: 556

Depth to Water: 36.56 feet

Height of Water Column (L): 9.14 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>557</u>	<u>6.51 mg/cm</u>	<u>26.4°</u>	<u>6.99</u>	<u>clear</u>

Sample Appearance: clear

Sample Collection - Time Start: 558 Time Finished: 558

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, Matt Rosich Date: 7-31-07

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

Weather Conditions: cool cloudy

Well Information:

Total Well Depth: 45.00 feet Time: 559

Depth to Water: 43.55 feet

Height of Water Column (L): 1.40 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>600</u>	<u>9.17 mS/cm</u>	<u>26.4^oC</u>	<u>6.47</u>	<u>clear</u>

Sample Appearance: clear

Sample Collection - Time Start: 601 Time Finished: 601

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

Comments:

Water Sampling Field Log

Well No.: 1-V

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-1-07

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

Weather Conditions: over cast breezy

Well Information:

Total Well Depth: 47.10 feet Time: 9:23

Depth to Water: 32.04 feet

Height of Water Column (L): 15.16 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>9:24</u>	<u>13.92 mS/cm</u>	<u>25.3</u> 6.95 °C <u>(MB)</u>	<u>6.95</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 9:25 Time Finished: 9:25

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, Matt Rosich Date: 8-1-07

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

Weather Conditions: overcast 100°F

Well Information:

Total Well Depth: 31.70 feet Time: 838

Depth to Water: _____ feet

Height of Water Column (L): _____ feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>839</u>	<u>6.73</u> mS/cm	<u>25.3°C</u>	<u>7.42</u>	<u>clear</u>

Sample Appearance: clear

Sample Collection - Time Start: 840 Time Finished: 840

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

Comments:

Water Sampling Field Log

Well No.: 1-J

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosch Date: 8-1-07

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

Weather Conditions: overcast breezy

Well Information:

Total Well Depth: 44.50 feet Time: 8:49

Depth to Water: 42.22 feet

Height of Water Column (L): 2.28 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>8:50</u>	<u>7.09 mscm</u>	<u>25.2^{°C}</u>	<u>7.38</u>	<u>clear</u>

Sample Appearance: clear

Sample Collection - Time Start: 8:51 Time Finished: 8:51

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

Comments:

Water Sampling Field Log

Well No.: 1-Z

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-1-07

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

Weather Conditions: overcast

Well Information:

Total Well Depth: 37.00 feet Time: 851

Depth to Water: 33.12 feet

Height of Water Column (L): 3.88 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>858</u>	<u>999 μS/cm</u>	<u>25.7$^{\circ}$C</u>	<u>7.02</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 859 Time Finished: 859

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

Comments:

Water Sampling Field Log

Well No.: I-I

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 8-1-09

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

Weather Conditions: overcast breezy 60°

Well Information:

Total Well Depth: 44.20 feet Time: 927

Depth to Water: 24.24 feet

Height of Water Column (L): 6 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>928</u>	<u>13.31 mS/cm</u>	<u>25.5°</u>	<u>7.13</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 929 Time Finished: 929

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

Comments:

Water Sampling Field Log

Well No.: M-7B

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-31-07

Sampling Method: Electric Pump Dedicated bailer Non Dedicated Bailor

Weather Conditions: Overcast humid 95°F

Well Information:

Total Well Depth: 55.00 feet Time: 939

Depth to Water: 35.77 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.	<u>3.0</u> gal.	<u>3</u>	<u>9</u> gal
<u>19.23</u> feet	<u>0.16</u> gal/ft	<u>0.65</u> gal/ft	<u>1.47</u> gal/ft

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>3</u> gal	<u>6.90</u>	<u>11.14</u> mS/cm	<u>25.9</u> °C	<u>clear</u>
<u>946</u>	<u>6</u> gal	<u>6.82</u>	<u>11.11</u> mS/cm	<u>25.5</u> °C	<u>clear</u>
<u>950</u>	<u>9</u> gal	<u>6.90</u>	<u>10.99</u> mS/cm	<u>25.7</u> °C	<u>slightly cloudy</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 952 Time Finished: 952

Analyses:	TOC	TOXQUAD	Ph,EC	TDS	CLO4	<u>DR</u>
Bottles:	4 bottles	<u>2</u> bottles	4 bottles	1 bottle	1 bottle	<u>1</u> bottle

TOTAL BOTTLES - 14 B MB

Comments:

Water Sampling Field Log

Well No.: M-10A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-31-07

Sampling Method: Electric Pump Dedicated bailer Non Dedicated Bailor

Weather Conditions: hot humid overcast 91°F

Well Information:

Total Well Depth: 46.00 feet Time: 1004

Depth to Water: 38.41 feet

	Well Diameter (circle one)				
	2-in. 4-in. 6-in.				
<u>7.59</u> feet	<input checked="" type="radio"/> 2-in. <input type="radio"/> 4-in. <input type="radio"/> 6-in.	<u>0.16</u> gal/hr	<u>0.05</u> gal/hr	<u>1.47</u> gal/hr	<u>1.2</u> gal. * <u>3</u> <u>4</u> 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>1009</u>	<u>2</u> gal	<u>6.94</u>	<u>9.53</u> mS/cm	<u>26.2</u> °C	<u>clear</u>
<u>1010</u>	<u>3</u> gal	<u>6.90</u>	<u>10.05</u> mS/cm	<u>25.9</u> °C	<u>clear</u>
<u>1011</u>	<u>4</u> gal	<u>6.85</u>	<u>10.03</u> mS/cm	<u>26.1</u> °C	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1013 Time Finished: 1013

Analyses:	<u>TOC</u>	<u>TOXIC</u>	<u>PH</u>	<u>EC</u>	<u>TDS</u>	<u>ClO4</u>	<u>CR</u>
Bottles:	<u>4</u> bottles	<u>4</u> bottles	<u>4</u> bottles	<u>1</u> bottle	<u>1</u> bottle	<u>1</u> bottle	<u>1</u> bottle

TOTAL BOTTLES-48 (3 MD)

Comments:

Water Sampling Field Log

Well No.: M-5A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 7-31-07

Sampling Method: Electric Pump Dedicated bailer Non Dedicated Bailer

Weather Conditions: hot cloudy 97°F

Well Information:

Total Well Depth: 50.00 feet Time: 1026

Depth to Water: 38.62 feet

	Well Diameter (circle one)			
	2-in. <input checked="" type="radio"/> 4-in. 6-in.			
<u>11.38</u> feet	*0.16 gal/ft	*0.65 gal/ft	*1.47 gal/ft	<u>1.39</u> gal. * 3 = <u>22</u> gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1029</u>	—	—	—	—	—
<u>1035</u>	<u>7</u> gal	<u>6.53</u>	<u>16.04</u> mS/cm	<u>26.8</u> °C	<u>clear</u>
<u>1042</u>	<u>14</u> gal	<u>6.59</u>	<u>15.79</u> mS/cm	<u>26.4</u> °C	<u>slightly cloudy</u>
<u>1051</u>	<u>22</u> gal	<u>6.57</u>	<u>16.13</u> mS/cm	<u>26.1</u> °C	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1054 Time Finished: 1054

Analyses: TOC ~~TOXCAT~~ Ph, EC TDS ClO4 CR

Bottles: 4 bottles 4 bottles 4 bottles 1 bottle 1 bottle 1

2

TOTAL BOTTLES - 13 (MD)

Comments:

Water Sampling Field Log

Well No.: H-28A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, Matt Rosich Date: 1-31-07

Sampling Method: Electric Pump Dedicated bailer Non Dedicated Bailer

Weather Conditions: hot humid overcast

Well Information:

Total Well Depth: 5100 feet Time: 1142

Depth to Water: 38.72 feet

	Well Diameter (circle one)					
	2-in. 4-in. 6-in.					
<u>12.28</u> feet	<input checked="" type="radio"/> 2-in.	<u>0.10</u> gal/ft	<u>0.65</u> gal/ft	<u>1.47</u> gal/ft	<u>1.96</u> gal.	<u>3</u>
						<u>6 gal</u> gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1145</u>	---	---	---	---	---
<u>1149</u>	<u>2</u> gal	<u>6.69</u>	<u>10.97 mS/cm</u>	<u>27.3 °C</u>	<u>clear</u>
<u>1149</u>	<u>4</u> gal	<u>6.58</u>	<u>10.90 mS/cm</u>	<u>26.6 °C</u>	<u>clear</u>
<u>1152</u>	<u>6</u> gal	<u>6.67</u>	<u>10.70 mS/cm</u>	<u>26.5 °C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: 1154 Time Finished: 1154

Analyses:	<u>TOC</u>	<u>TOX1010</u>	<u>Ph, EC</u>	<u>TDS</u>	<u>CLO4</u>	<u>CR</u>
Bottles:	<u>4 bottles</u>	<u>2 bottles</u>	<u>4 bottles</u>	<u>1 bottle</u>	<u>1 bottle</u>	<u>1 bottle</u>

2

TOTAL BOTTLES- 13 NO

Comments: _____