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REPORTS

DATE:

3/07/2007



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Matthew P. Hudson
Remediation Project
Manager

**Abandonment Business
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RECEIVED

March 6, 2007

Mr. Wayne Price
New Mexico Oil Conservation Division
1220 So. St. Francis Drive
Santa Fe, New Mexico 87505

MAR 07 2007

Oil Conservation Division
Environmental Bureau

Subject: 2006 Annual Groundwater Monitoring Report
G.L. Erwin "A & B" Federal NCT-2 Tank Battery, Lea County, New Mexico
OGRID No. 4323

Dear Mr. Price:

Please find enclosed one copy of the above-referenced report. This report provides information and details on the groundwater monitoring activities completed by Conestoga-Rovers and Associates (CRA) during 2006.

Should you have any questions concerning this report or the on-going work, please call myself at (281) 561-3466 or James Ornelas with CRA at (432) 686-0086.

Sincerely,

Matthew P. Hudson

Enclosure

cc: Patricia Caperton, NMOCD (electronic copy)
James Ornelas, CRA (cover letter only)



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MAR 07 2007

**2006 ANNUAL GROUNDWATER
REPORT**

Oil Conservation Division
Environmental Bureau

**G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
OGRID NO. 4323
SW/4, SE/4, SECTION 35, T-24-S, R-37-E
LATITUDE: N 32° 10' 11.9" LONGITUDE: W 103° 07' 46.9"
LEA COUNTY, NEW MEXICO**



2006 ANNUAL GROUNDWATER MONITORING REPORT

G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY

OGRID NO. 4323

SW/4, SE/4, SECTION 35, T-24-S, R-37-E

LATITUDE: N 32° 10' 11.9" LONGITUDE: W 103° 07' 46.9"

LEA COUNTY, NEW MEXICO

Prepared For:

Mr. Matt Hudson

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY

Abandonment Business Unit

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Houston, Texas 77099

**Prepared by:
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**MARCH 2, 2007
REF. NO. 039124 (3)**

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- APPENDIX C STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER APPLICATION FOR PERMIT (#CP 00886)

1.0 INTRODUCTION

This Annual Groundwater Monitoring Report presents groundwater data collected during the 2006 reporting period at the G.L. Erwin "A & B" Federal NCT-2 Tank Battery (hereafter referred to as the "Site"). On February 21-23 and August 24 and 25, 2006, Conestoga-Rovers & Associates (CRA) conducted the semi-annual groundwater monitoring events on behalf of Chevron North America Exploration and Production Company (Chevron), as successor to Texaco Exploration and Production, Inc. (Texaco).

The Site is located on Lea County Road J4, approximately 3 miles northeast of Jal, New Mexico in the southwest quarter (SW/4) of the southeast quarter (SE/4), Section 35, Township 24 South, Range 37 East, Lea County, New Mexico. The Site's coordinates are latitude N 32° 10' 11.9" and longitude W 103° 07' 46.9". The Site is relatively flat and improved with bermed above ground storage tanks (ASTs), caliche roadways, and oil and gas production equipment. The production equipment includes pipelines, ASTs of various capacities and active production wells. Land use in the vicinity of the Site includes rangeland with indigenous grass, livestock ranching, and oil and gas production. The topography slopes gently southeast toward Monument Draw located approximately 1.5 miles east of the Site.

Site assessment activities were initiated in 1993. In September 1993, Environmental Spill Control, Inc. (ESCI) of Hobbs, New Mexico performed a subsurface investigation in and around an unlined earthen emergency produced water overflow pit that was located adjacent to the west edge of the Site. During the investigation, 16 boreholes ranging from 30 to 100 feet below ground surface (bgs) were installed to evaluate soil and groundwater at the Site. Analytical results indicated hydrocarbon impacts to the soil and chloride impacts to the groundwater. In September 1994, ESCI excavated the former pit to approximately 62-feet bgs and removed approximately 40,000-cubic yards of hydrocarbon-affected soil. The excavation was lined from 62.5-feet up to 55-feet with a mixture of clean sand and clay and was backfilled with clean soil to the surface. ESCI submitted the closure report to Texaco in October 1994.

In February 1995, Texaco submitted a work plan to the New Mexico Oil Conservation Division (NMOCD) to assess affected groundwater at the Site. On March 28, 1995, the work plan was conditionally approved by the NMOCD. Two monitor wells (WMW and SWMW) were installed and sampled in 1997. Analytical results demonstrated groundwater chloride concentrations were at or above the New Mexico Water Quality Control Commission (NMWQCC) Human Health Standard. In January 1998, Highlander Environmental Corp. (Highlander) performed an electromagnetic (EM-34) terrain conductivity survey. Additionally, Highlander installed eight monitoring wells (MW-1 thru MW-8) from February 1998 to January 1999 in order to further evaluate the extent of affected groundwater.

Texaco submitted a corrective action proposal to the New Mexico Office of the State Engineer (NMOSE) to recover groundwater from recovery well (RW-1). From September 2001 to October 2003, nine additional monitor wells were installed under the direction of Larson and Associates, Inc. (LA). On September 9, 2004, the New Mexico State Engineer Office issued Permit CP 00886 to Divert Underground Waters from recovery well RW-1. A copy of the permit and associated documentation is provided in APPENDIX B. Monitor wells (MW-18 thru MW-20) were installed under the direction of LA in November 2004. A groundwater recovery system was installed at RW-1 under CRA's direct supervision in September 2006. Currently, the Site is monitored semi-annually by CRA.

2.0 REGULATORY FRAMEWORK

The NMOCD guidelines require groundwater to be analyzed for constituents of concern (COC) as defined by the NMWQCC regulations. The NMWQCC regulations provide Human Health Standards for Groundwater. The COC in affected groundwater at the Site is chloride. In this report, groundwater analytical results for chloride and four additional analytes are compared to the NMWQCC standards shown in the following table:

Analyte	NMWQCC Standard for Groundwater (mg/L)
Chloride	250
Fluoride	1.6
Nitrate (NO ₃ as N)	10
Sulfate (SO ₄)	600
Total Dissolved Solids (TDS)	1,000

3.0 2006 GROUNDWATER MONITORING

Groundwater at the Site is monitored semi-annually with a network of 24 monitor wells according to the *Work Plan for Plume Delineation and Modification to Proposed Groundwater Monitoring Schedule* submitted by LA to the NMOCD Santa Fe office on November 18, 1998. The workplan was approved on February 2, 1999. A copy of the NMOCD approval letter is provided in APPENDIX A.

Prior to purging the monitor wells, static fluid levels were measured with an electric interface probe to the nearest hundredth of a foot. After recording fluid levels, the wells were handbailed and purged of three casing volumes of groundwater. Water quality parameters pH, temperature and conductivity were recorded during purging. All non-disposable groundwater sampling equipment was decontaminated with a soap (Liquinox®) and potable water wash, a potable water rinse and a final de-ionized water rinse. Subsequent to the purging, groundwater samples were collected with new disposable PVC bailers. Laboratory-supplied sample containers were filled directly from the bailers.

The groundwater samples were placed on ice in insulated coolers and chilled to a temperature of approximately 4°C (40°F). The coolers were sealed for shipment and proper chain-of-custody documentation accompanied the samples to Pace Analytical Services, Inc. (Pace) for analysis of major cations, anions and TDS by Environmental Protection Agency (EPA) Methods 300.0 and 6010, SM 2320B, and 2540C. The fluids recovered during the sampling events were containerized and subsequently disposed at an OCD-permitted salt water disposal (SWD) facility by Nabors.

3.1 POTENTIOMETRIC SURFACE AND GRADIENT

Groundwater elevation data are presented in TABLE I and generally fall within historical ranges. Groundwater gradient maps for February and August 2006 are presented in FIGURES 3 and 4, respectively. Depth to groundwater ranged from 59.22-feet to 86.54-feet below top of casing on February 22, 2006 and from 59.39-feet to 86.34-feet below top of casing on August 24, 2006. Groundwater flow at the Site is to the southeast at a gradient of 0.015-ft/ft.

3.2 ANALYTICAL RESULTS

The 2006 analytical results generally fall within historical ranges, and are summarized in TABLE II. All wells sampled in 2006 had at least one COC (Chloride, Fluoride, Nitrate-N, Sulfate or Total Dissolved Solids) that exceeded NMWQCC standards and are shown on FIGURE 5. Isopleth maps approximating chloride concentrations for both February and August 2006 events are shown on FIGURES 6 and 7, respectively.

Groundwater COCs detected above the NMWQCC standards are highlighted in TABLE II and are listed below:

- Chloride was detected at concentrations above the NMWQCC standard (250 mg/L) in 18 wells sampled in both February and August 2006;
- Fluoride was detected at concentrations above the NMWQCC standard (1.60 mg/L) in six wells in February and in four wells in August 2006;
- Nitrate was detected at concentrations above the NMWQCC standard (10 mg/L) in two wells during the February event;
- Sulfate was detected at concentrations above the NMWQCC standard (600 mg/L) in one well during both the February and August events; and
- Total Dissolved Solids were detected at concentrations above the NMWQCC standard (1,000mg/L) in 19 wells during the February event and in 17 wells during the August event.

Two duplicate samples were collected from MW-1 and MW-14 during the February 2006 event and two duplicate samples were collected from RW-1 and MW-17 during the August 2006, respectively. Duplicate constituents were detected without any significant deviations. Copies of the certified analytical reports and chain-of-custody documentation are attached in APPENDIX B.

4.0 CORRECTIVE ACTION

In November 1999, Texaco submitted a correction action proposal to the NMOSE to recover groundwater from recovery well (RW-1). On September 9, 2004, the NMOSE issued Permit CP 00886 to Divert Underground Waters from recovery well RW-1.

In September 2006, a groundwater recovery system which included an electrical submersible pump, a totalizing meter, a 300-barrel (bbl) fiberglass storage tank, and a transfer pump was installed at RW-1. The groundwater recovery rate in RW-1 is approximately 1 gallon per minute. Recovered groundwater is pumped to the 300-barrel storage tank then to the produced water tank at the adjacent G.L. Erwin "A & B" Federal NCT-2 Tank Battery. Initial meter readings were collected on September 26, 2006. On September 29, 2006, a meter installation and inspection form and a proof of well completion for RW-1 were submitted to the NMOSE Roswell district office. A copy of the correspondence is provided in APPENDIX C.

5.0 SUMMARY

Based on historical data review and groundwater monitoring activities performed at the Site, CRA presents the following summary:

- Groundwater at the Site is monitored semi-annually with a network of 24 monitor wells;
- Depth to groundwater ranged from 59.22-feet to 86.54-feet below top of casing on February 22, 2006 and from 59.39-feet to 86.34-feet below top of casing on August 24, 2006. Groundwater flow at the Site is to the southeast at a gradient of 0.015-ft/ft;
- The analytical results generally fall within historical ranges. All wells sampled in 2006 had at least one COC (Chloride, Fluoride, Nitrate-N, Sulfate or Total Dissolved Solids) that exceeded NMOCD standards; and
- In September 2006, a groundwater recovery system which included an electrical submersible pump, a totalizing meter, a 300-barrel (bbl) fiberglass storage tank, and a transfer pump was installed at RW-1. A meter installation and inspection form and a proof of well completion for RW-1 were submitted to the NMOSE Roswell district office in advance of the September 30, 2006 permit rights expiration deadline.

6.0 PLANNED ACTIVITIES

Planned activities at the G.L. Erwin "A & B" Federal NCT-2 Tank Battery include:

- Continue to perform semi-annual groundwater monitoring and sampling events;
- Continue to recover groundwater from RW-1; and
- Propose installation of one monitor well upgradient of MW-9 and one monitor well downgradient of MW-19.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES



James Ornelas
Project Manager

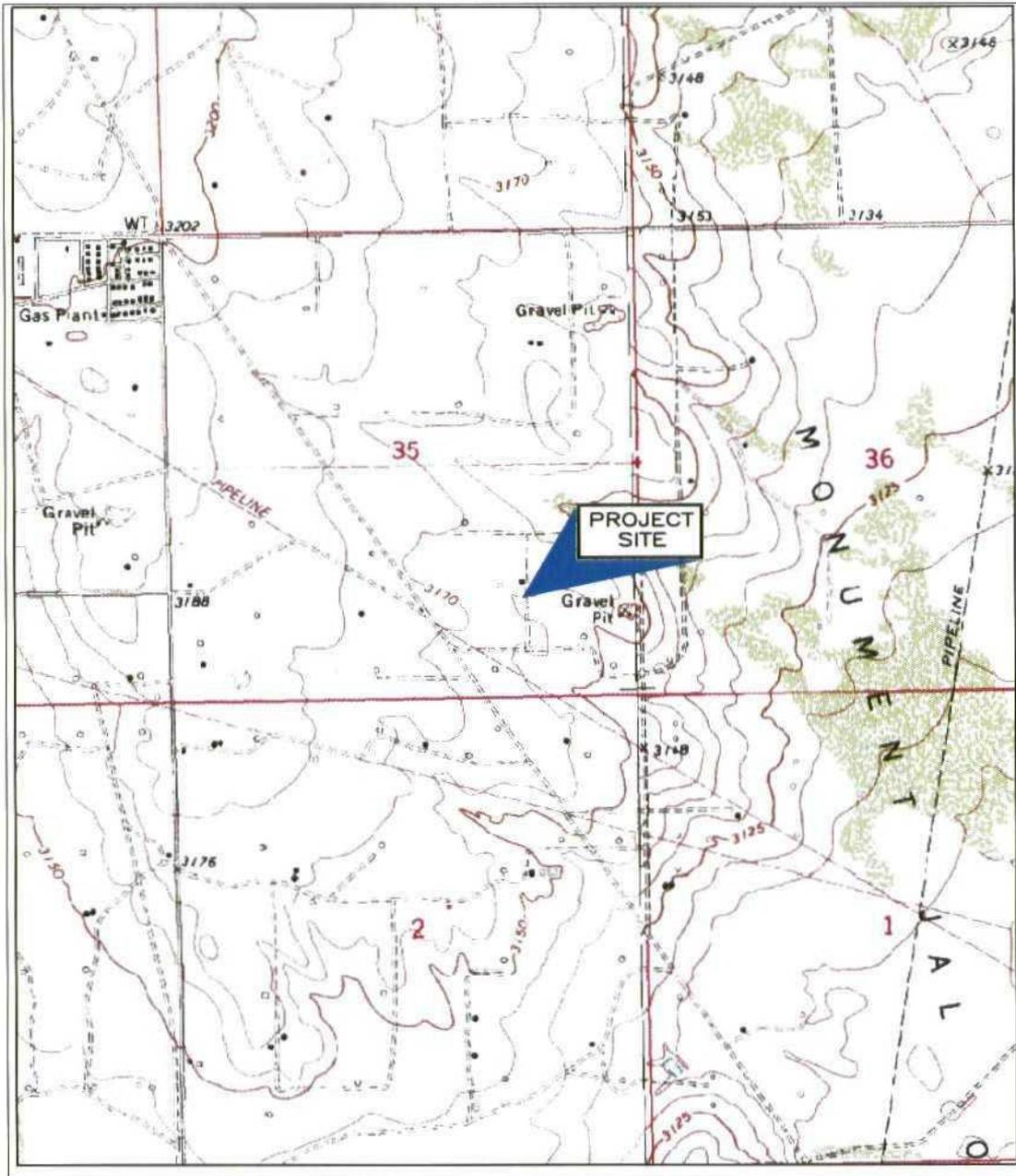


Thomas C. Larson
Operations Manager

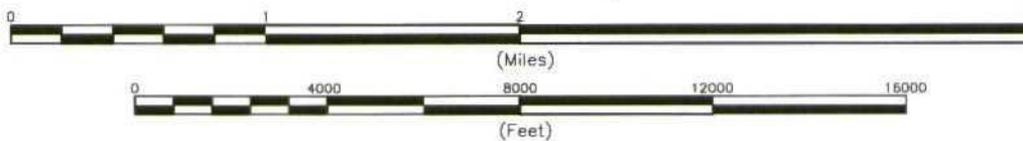
JAL NW QUADRANGLE NEW MEXICO

LAT= 32° 10' 11.9" N
LONG= 103° 07' 46.9" W

PHOTOREVISED 1977



USGS MAP SERIES 1:24,000



CONTOUR INTERVAL 5 FEET



NORTH

039124 SLR 022006

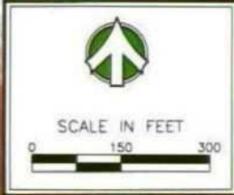


SITE LOCATION MAP

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, T-24-S, R-37-E LEA COUNTY, NM

JOB No.
039124

FIGURE
1



LEGEND

- MW-8 Monitor Well Location
- RW-1 Recovery Well Location
- WW-1 Water Well Location
- Groundwater Recovery System

NOTE:

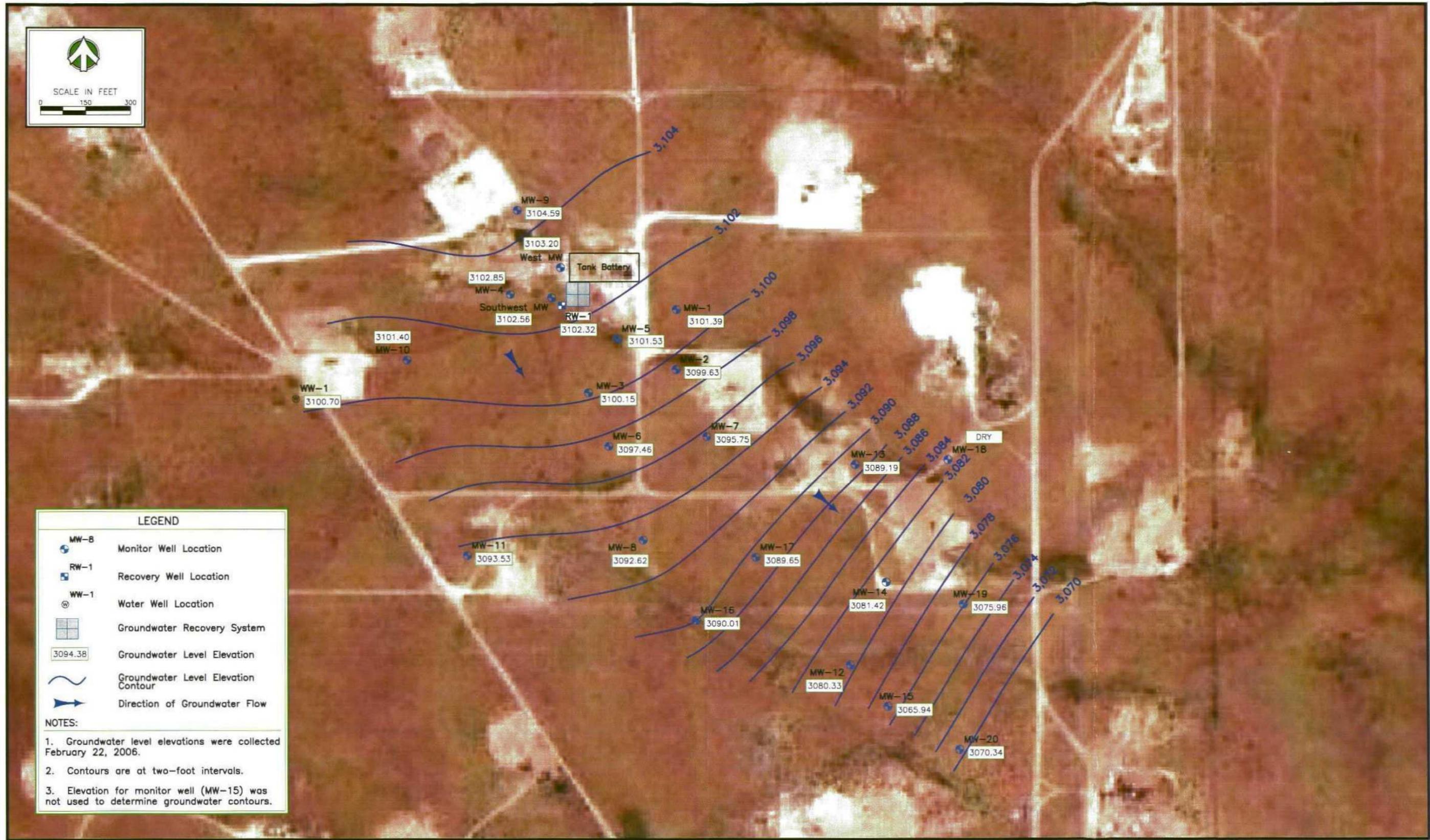
1. Monitor Well Locations and top of casing elevations are based on a professional survey conducted by Piper Surveying Company in February and July 1998, October 2001, October 2003, and December 2004.
2. Pump and treat groundwater recovery system was installed in September 2006.

039124 2006 SLR 022707



SITE DETAILS MAP
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, T-24-S, R-37-E LEA COUNTY, NEW MEXICO

JOB No.
039124
 FIGURE
2



LEGEND

- MW-8 Monitor Well Location
- RW-1 Recovery Well Location
- WW-1 Water Well Location
- Groundwater Recovery System
- 3094.38 Groundwater Level Elevation
- Groundwater Level Elevation Contour
- Direction of Groundwater Flow

NOTES:

1. Groundwater level elevations were collected February 22, 2006.
2. Contours are at two-foot intervals.
3. Elevation for monitor well (MW-15) was not used to determine groundwater contours.

039124 2006 SLR 022007



GROUNDWATER GRADIENT MAP — FEBRUARY 2006
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, T-24-S, R-37-E LEA COUNTY, NEW MEXICO

JOB No.
039124
FIGURE
3



LEGEND

- Monitor Well Location
- Recovery Well Location
- Water Well Location
- Groundwater Recovery System
- Groundwater Level Elevation
- Groundwater Level Elevation Contour
- Direction of Groundwater Flow

- NOTES:**
1. Groundwater level elevations were collected August 24, 2006.
 2. Contours are at two-foot intervals.
 3. Elevation for monitor well (MW-15) was not used to determine groundwater contours.

039124 2006 SLR 022007



GROUNDWATER GRADIENT MAP - AUGUST 2006
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, T-24-S, R-37-E LEA COUNTY, NEW MEXICO

JOB No.
039124
FIGURE
4



Sample Location	Sample Date	Chloride	Exceedance
MW-1	8/24/2006	180/160	

Concentrations in mg/L
Duplicate Sample Concentration

LEGEND

- MW-8 Monitor Well Location
- RW-1 Recovery Well Location
- WW-1 Water Well Location
- Groundwater Recovery System
- NS Not Sampled

NOTE:
Chloride analysis by EPA Method 300.0.

039124 SLR 022007

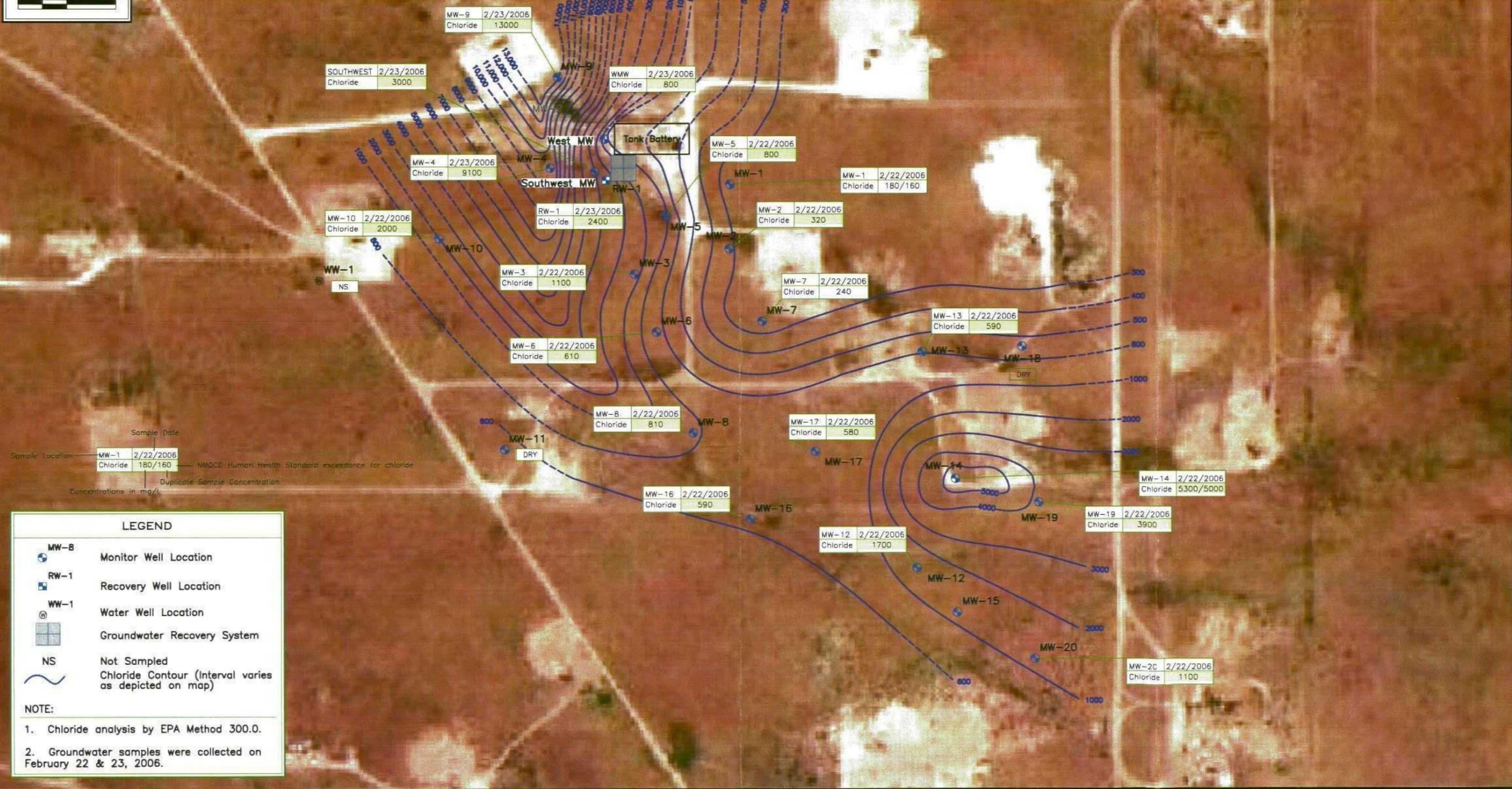


CHLORIDE CONCENTRATION MAP - FEBRUARY AND AUGUST 2006
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, T-24-S, R-37-E LEA COUNTY, NEW MEXICO

JOB No.
039124
FIGURE
5



SCALE IN FEET
0 150 300



Sample Date: MW-1 2/22/2006
 Sample Location: MW-1 Chloride 180/160
 NMDCC Human Health Standard exceedance for chloride
 Duplicate Sample Concentration
 Concentrations in mg/L

LEGEND

- MW-B Monitor Well Location
- RW-1 Recovery Well Location
- WW-1 Water Well Location
- Groundwater Recovery System
- NS Not Sampled
- Chloride Contour (Interval varies as depicted on map)

NOTE:

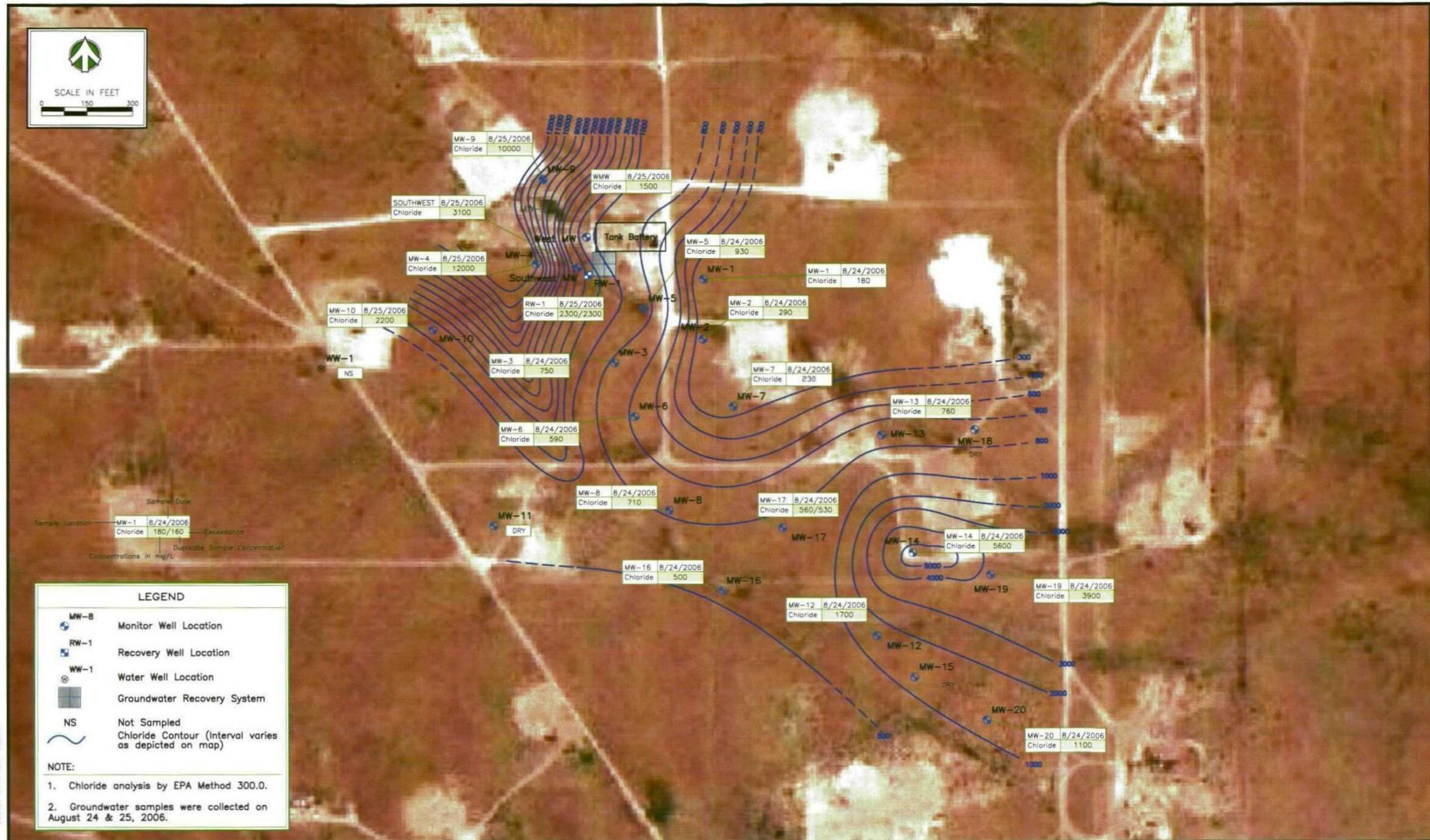
- Chloride analysis by EPA Method 300.0.
- Groundwater samples were collected on February 22 & 23, 2006.

039124 SLR 022707



CHLORIDE ISOCONCENTRATION MAP - FEBRUARY 2006
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, T-24-S, R-37-E LEA COUNTY, NEW MEXICO

JOB No.
039124
FIGURE
6



Sample Location	Sample Date	Chloride	Exceedance
MW-1	8/24/2006	180/160	

Duplicate Sample Concentration
Concentrations in mg/L

LEGEND

- MW-B Monitor Well Location
- RW-1 Recovery Well Location
- WW-1 Water Well Location
- Groundwater Recovery System
- NS Not Sampled
- Chloride Contour (Interval varies as depicted on map)

NOTE:

- Chloride analysis by EPA Method 300.0.
- Groundwater samples were collected on August 24 & 25, 2006.

039124 2006 SLR 022707



CHLORIDE ISOCONCENTRATION MAP — AUGUST 2006
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, T-24-S, R-37-E LEA COUNTY, NEW MEXICO

JOB No.
 039124
 FIGURE
 7

TABLE I
GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

WELL TOC elev ¹	DATE	Well Diameter (inches)	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL (ft below TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL ²)	Screen interval (bgs ³)
MW-01 3,161.69	2/4/1998	2	87.70	64.15	---	---	3097.54	55'-85'
	2/7/2001			61.40	---	---	3100.29	
	4/30/2002			61.43	---	---	3100.26	
	10/11/2002			61.43	---	---	3100.26	
	12/26/2002			61.43	---	---	3100.26	
	2/17/2003			61.42	---	---	3100.27	
	5/29/2003			61.58	---	---	3100.11	
	8/22/2003			61.37	---	---	3100.32	
	11/5/2003			61.35	---	---	3100.34	
	2/3/2004			61.34	---	---	3100.35	
	5/5/2004		61.13	---	---	3100.56		
	8/2/2004		61.08	---	---	3100.61		
	11/23/2004		60.61	---	---	3101.08		
	2/9/2005		60.46	---	---	3101.23		
8/4/2005	60.62	---	---	3101.07				
2/22/2006	84.60	---	---	3101.39				
8/24/2006	84.6	---	---	3101.54				
MW-02 3,159.89	2/4/1998	2	72.94	61.33	---	---	3098.56	50'-70'
	2/7/2001			61.45	---	---	3098.44	
	4/30/2002			61.47	---	---	3098.42	
	10/11/2002			61.46	---	---	3098.43	
	12/26/2002			61.52	---	---	3098.37	
	2/17/2003			61.53	---	---	3098.36	
	5/29/2003			61.48	---	---	3098.41	
	8/22/2003			61.41	---	---	3098.48	
	11/5/2003			61.38	---	---	3098.51	
	2/3/2004			61.35	---	---	3098.54	
	5/5/2004		61.20	---	---	3098.69		
	8/2/2004		61.11	---	---	3098.78		
	11/23/2004		60.52	---	---	3099.37		
	2/9/2005		60.45	---	---	3099.44		
8/4/2005	66.60	---	---	3093.29				
2/22/2006	72.81	---	---	3099.63				
8/24/2006	72.81	---	---	3099.58				
MW-03 3,164.08	2/4/1998	2	73.26	65.18	---	---	3098.90	50'-70'
	2/7/2001			65.22	---	---	3098.86	
	4/30/2002			65.11	---	---	3098.97	
	10/11/2002			65.14	---	---	3098.94	
	12/26/2002			65.15	---	---	3098.93	
	2/17/2003			65.15	---	---	3098.93	
	5/29/2003			65.19	---	---	3098.89	
	8/22/2003			65.09	---	---	3098.99	
	11/5/2003			65.09	---	---	3098.99	
	2/3/2004			65.06	---	---	3099.02	
	5/5/2004		64.97	---	---	3099.11		
	8/2/2004		64.54	---	---	3099.54		
	11/23/2004		64.47	---	---	3099.61		
	2/9/2005		64.18	---	---	3099.90		
8/4/2005	64.30	---	---	3099.78				
2/22/2006	73.14	---	---	3100.15				
8/24/2006	73.14	---	---	3099.91				

TABLE I
GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

WELL TOC elev ¹	DATE	Well Diameter (inches)	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL (ft below TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL ²)	Screen interval (bgs ³)
MW-04 3,165.65	2/4/1998	2	73.31	63.94	---	---	3101.71	50'-70'
	10/19/2000			63.80	---	---	3101.85	
	2/7/2001			63.78	---	---	3101.87	
	4/30/2002			63.72	---	---	3101.93	
	10/11/2002			63.74	---	---	3101.91	
	12/26/2002			63.74	---	---	3101.91	
	2/17/2003			63.74	---	---	3101.91	
	5/29/2003			63.83	---	---	3101.82	
	8/22/2003			63.71	---	---	3101.94	
	11/5/2003			63.68	---	---	3101.97	
	2/3/2004			63.64	---	---	3102.01	
	5/5/2004			63.55	---	---	3102.10	
	8/2/2004			63.45	---	---	3102.20	
	11/23/2004			62.91	---	---	3102.74	
	2/9/2005			62.83	---	---	3102.82	
8/4/2005	63.12	---	---	3102.53				
2/23/2006	73.11	62.80	---	---	3102.85			
8/25/2006	73.11	62.97	---	---	3103.03			
MW-05 3,160.75	2/4/1998	2	73.10	60.33	---	---	3100.42	50'-70'
	10/19/2000			60.25	---	---	3100.50	
	2/7/2001			60.58	---	---	3100.17	
	4/30/2002			62.27	---	---	3098.48	
	10/11/2002			60.29	---	---	3100.46	
	12/26/2002			60.29	---	---	3100.46	
	2/17/2003			60.30	---	---	3100.45	
	5/29/2003			60.33	---	---	3100.42	
	8/22/2003			60.24	---	---	3100.51	
	11/5/2003			60.24	---	---	3100.51	
	2/3/2004			60.20	---	---	3100.55	
	5/5/2004			60.04	---	---	3100.71	
	8/2/2004			59.97	---	---	3100.78	
	11/23/2004			59.51	---	---	3101.24	
	2/9/2005			59.32	---	---	3101.43	
8/4/2005	59.55	---	---	3101.20				
2/22/2006	72.95	59.22	---	---	3101.53			
8/24/2006	72.95	59.39	---	---	3101.61			
MW-06 3,164.18	2/7/2001	2	77.24	68.00	---	---	3096.18	59'-74'
	4/30/2002			68.10	---	---	3096.08	
	10/11/2002			68.04	---	---	3096.14	
	12/26/2002			68.03	---	---	3096.15	
	2/17/2003			68.03	---	---	3096.15	
	5/29/2003			68.38	---	---	3095.80	
	8/22/2003			67.99	---	---	3096.19	
	11/5/2003			67.99	---	---	3096.19	
	2/3/2004			67.92	---	---	3096.26	
	5/5/2004			67.88	---	---	3096.30	
	8/2/2004			67.78	---	---	3096.40	
	11/23/2004			67.31	---	---	3096.87	
	2/9/2005			67.17	---	---	3097.01	
	8/4/2005			63.13	---	---	3101.05	
	2/22/2006			77.00	66.72	---	---	
8/24/2006	77	66.93	---	---	3097.07			

TABLE I
GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

WELL TOC elev ¹	DATE	Well Diameter (inches)	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL (ft below TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL ²)	Screen interval (bgs ³)
MW-07 3,162.06	2/7/2001	2	73.45	67.25	---	---	3094.81	55'-70'
	4/30/2002			67.50	---	---	3094.56	
	10/11/2002			67.53	---	---	3094.53	
	12/26/2002			67.53	---	---	3094.53	
	2/17/2003			67.53	---	---	3094.53	
	5/29/2003			67.61	---	---	3094.45	
	8/22/2003			67.49	---	---	3094.57	
	11/5/2003			67.47	---	---	3094.59	
	2/3/2004			67.46	---	---	3094.60	
	5/5/2004			67.44	---	---	3094.62	
	8/2/2004			67.34	---	---	3094.72	
	11/23/2004			67.02	---	---	3095.04	
	2/9/2005			67.74	---	---	3094.32	
	8/4/2005			66.62	---	---	3095.44	
2/22/2006	72.56	66.31	---	---	3095.75			
8/24/2006	72.56	66.37	---	---	3095.63			
MW-08 3,159.66	2/3/1999	2	70.66	68.21	---	---	3091.45	50'-70'
	2/7/2001			68.30	---	---	3091.36	
	4/30/2002			68.42	---	---	3091.24	
	10/11/2002			68.30	---	---	3091.36	
	12/26/2002			68.30	---	---	3091.36	
	2/17/2003			68.30	---	---	3091.36	
	5/29/2003			68.36	---	---	3091.30	
	8/22/2003			68.26	---	---	3091.40	
	11/5/2003			68.26	---	---	3091.40	
	2/3/2004			68.24	---	---	3091.42	
	5/5/2004			68.24	---	---	3091.42	
	8/2/2004			68.17	---	---	3091.49	
	11/23/2004			67.72	---	---	3091.94	
	2/9/2005			67.41	---	---	3092.25	
8/4/2005	67.39	---	---	3092.27				
2/22/2006	73.40	67.04	---	---	3092.62			
8/24/2006	73.4	67.29	---	---	3092.71			
MW-09 3,167.07	4/30/2002	2	70.39	63.65	---	---	3103.42	55'-70'
	10/11/2002			63.59	---	---	3103.48	
	12/26/2002			63.59	---	---	3103.48	
	2/17/2003			63.60	---	---	3103.47	
	5/29/2003			63.73	---	---	3103.34	
	8/22/2003			63.56	---	---	3103.51	
	11/5/2003			63.55	---	---	3103.52	
	2/3/2004			63.47	---	---	3103.60	
	5/5/2004			63.27	---	---	3103.80	
	8/2/2004			63.24	---	---	3103.83	
	11/23/2004			62.40	---	---	3104.67	
	2/9/2005			62.50	---	---	3104.57	
	8/4/2005			62.89	---	---	3104.18	
	2/23/2006			69.60	62.48	---	---	
8/25/2006	69.6	62.68	---	---	3104.32			

TABLE I

GROUNDWATER GAUGING SUMMARY
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
 LEA COUNTY, NEW MEXICO

WELL TOC elev ¹	DATE	Well Diameter (inches)	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL (ft below TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL ²)	Screen interval (bgs ³)
MW-10 3,170.99	4/30/2002	2	69.16	70.35	---	---	3100.64	54'-69'
	10/11/2002			70.49	---	---	3100.50	
	12/26/2002			70.50	---	---	3100.49	
	2/17/2003			70.50	---	---	3100.49	
	5/29/2003			70.37	---	---	3100.62	
	8/22/2003			70.47	---	---	3100.52	
	11/5/2003			70.49	---	---	3100.50	
	2/3/2004			70.43	---	---	3100.56	
	5/5/2004			70.38	---	---	3100.61	
	8/2/2004			70.26	---	---	3100.73	
	11/23/2004			69.78	---	---	3101.21	
	2/9/2005			NG	---	---	---	
	8/4/2005			69.89	---	---	3101.10	
	2/22/2006			71.95	69.59	---	---	
8/25/2006	71.95	69.65	---	---	3101.35			
MW-11 3,168.24	4/30/2002	2	72.78	DRY	---	---	DRY	58'-73'
	10/11/2002			DRY	---	---	DRY	
	12/26/2002			DRY	---	---	DRY	
	2/17/2003			DRY	---	---	DRY	
	5/29/2003			DRY	---	---	DRY	
	8/22/2003			DRY	---	---	DRY	
	11/5/2003			DRY	---	---	DRY	
	2/3/2004			DRY	---	---	DRY	
	5/5/2004			DRY	---	---	DRY	
	8/2/2004			DRY	---	---	DRY	
	11/23/2004			DRY	---	---	DRY	
	2/9/2005			DRY	---	---	DRY	
	8/4/2005			61.91	---	---	3106.33	
	2/22/2006			75.45	74.71	---	---	
8/24/2006	75.45	74.71	---	---	3093.29			
MW-12 3,152.48	4/30/2002	2	74.37	72.80	---	---	3079.68	59'-74'
	10/11/2002			72.81	---	---	3079.67	
	12/26/2002			72.82	---	---	3079.66	
	2/17/2003			72.82	---	---	3079.66	
	5/29/2003			72.77	---	---	3079.71	
	8/22/2003			72.81	---	---	3079.67	
	11/5/2003			72.81	---	---	3079.67	
	2/3/2004			72.83	---	---	3079.65	
	5/5/2004			72.78	---	---	3079.70	
	8/2/2004			72.81	---	---	3079.67	
	11/23/2004			72.69	---	---	3079.79	
	2/9/2005			72.83	---	---	3079.65	
	8/4/2005			72.48	---	---	3080.00	
	2/22/2006			77.60	72.15	---	---	
8/24/2006	77.6	71.91	---	---	3080.09			

TABLE I
GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

WELL TOC elev ¹	DATE	Well Diameter (inches)	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL (ft below TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL ²)	Screen interval (bgs ³)
MW-13 3,154.92	4/30/2002	2	67.90	66.97	---	---	3087.95	53'-68'
	10/11/2002			66.38	---	---	3088.54	
	12/26/2002			66.37	---	---	3088.55	
	2/17/2003			66.37	---	---	3088.55	
	5/29/2003			66.68	---	---	3088.24	
	8/22/2003			67.06	---	---	3087.86	
	11/5/2003			67.36	---	---	3087.56	
	2/3/2004			67.11	---	---	3087.81	
	5/5/2004			67.05	---	---	3087.87	
	8/2/2004			67.21	---	---	3087.71	
	11/23/2004			66.82	---	---	3088.10	
	2/9/2005			66.50	---	---	3088.42	
	8/4/2005		66.11	---	---	3088.81		
2/22/2006	70.54	65.73	---	---	3089.19			
8/24/2006	70.54	65.45	---	---	3089.55			
MW-14 3,151.91	11/5/2003	2	92.43	71.60	---	---	3080.31	79.5'-89.5'
	2/3/2004			71.62	---	---	3080.29	
	5/5/2004			71.67	---	---	3080.24	
	8/2/2004			71.69	---	---	3080.22	
	11/23/2004			71.60	---	---	3080.31	
	2/9/2005			71.30	---	---	3080.61	
	8/4/2005			70.90	---	---	3081.01	
	2/22/2006		92.30	70.49	---	---	3081.42	
8/24/2006	92.3	70.24	---	---	3081.76			
MW-15 3,152.48	11/5/2003	2	87.45	DRY	---	---	DRY	64.5'-84.5'
	2/3/2004			DRY	---	---	DRY	
	5/5/2004			DRY	---	---	DRY	
	8/2/2004			DRY	---	---	DRY	
	11/23/2004			DRY	---	---	DRY	
	2/9/2005			DRY	---	---	DRY	
	8/4/2005			86.91	---	---	3065.57	
	2/22/2006		87.40	86.54	---	---	3065.94	
8/24/2006	87.4	86.34	---	---	3065.66			
MW-16 3,157.25	11/5/2003	2	77.22	65.68	---	---	3091.57	59.5'-74.5'
	2/3/2004			68.67	---	---	3088.58	
	5/5/2004			68.69	---	---	3088.56	
	8/2/2004			68.65	---	---	3088.60	
	11/23/2004			68.10	---	---	3089.15	
	2/9/2005			67.53	---	---	3089.72	
	8/4/2005			67.77	---	---	3089.48	
	2/22/2006			74.42	67.24	---	---	
	8/24/2006		74.42	67.66	---	---	3089.34	
MW-17 3,158.37	11/5/2003	2	79.37	69.51	---	---	3088.86	57'-77'
	2/3/2004			69.53	---	---	3088.84	
	5/5/2004			69.52	---	---	3088.85	
	8/2/2004			70.12	---	---	3088.25	
	11/23/2004			69.31	---	---	3089.06	
	2/9/2005			69.04	---	---	3089.33	
	8/4/2005			68.90	---	---	3089.47	
	2/22/2006			80.10	68.72	---	---	
	8/24/2006		80.1	68.78	---	---	3089.22	

TABLE I
GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

WELL TOC elev ¹	DATE	Well Diameter (inches)	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL (ft below TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL ²)	Screen interval (bgs ³)	
MW-18 3,151.08	11/23/2004	2	76.98	DRY	---	---	DRY	54.5'-74.5'	
	2/9/2005			DRY	---	---	DRY		
	8/4/2005			DRY	---	---	DRY		
	2/22/2006			78.43	DRY	---	---		DRY
	8/24/2006			78.43	DRY	---	---		DRY
MW-19 3,147.79	11/23/2004	2	104.41	72.63	---	---	3075.16	82.5'-102.5'	
	2/9/2005			72.36	---	---	3075.43		
	8/4/2005			72.18	---	---	3075.61		
	2/22/2006			105.55	71.83	---	---		3075.96
	8/24/2006			105.55	71.57	---	---		3076.43
MW-20 3,151.56	11/23/2004	2	94.94	81.81	---	---	3069.75	72.5'-92.5'	
	2/9/2005			81.85	---	---	3069.71		
	8/4/2005			81.81	---	---	3069.75		
	2/22/2006			92.23	81.71	---	---		3069.85
	8/24/2006			92.23	81.66	---	---		3070.34
WW-1 3,170.21	4/30/2002			70.21	---	---	3100.00		
	10/11/2002			69.71	---	---	3100.50		
	12/26/2002			69.70	---	---	3100.51		
	2/17/2003			69.70	---	---	3100.51		
	5/29/2003			67.37	---	---	3102.84		
	8/22/2003			70.27	---	---	3099.94		
	11/5/2003			70.23	---	---	3099.98		
	2/3/2004			70.31	---	---	3099.90		
	5/5/2004			70.23	---	---	3099.98		
	8/2/2004			69.47	---	---	3100.74		
	11/23/2004			69.92	---	---	3100.29		
	2/9/2005			69.75	---	---	3100.46		
	8/4/2005			69.89	---	---	3100.32		
	2/22/2006			69.51	---	---	3100.70		
8/25/2006	192	69.50	---	---	3100.5				
West MW 3,164.44	8/22/1997	2	70.43	62.58	---	---	3101.86		
	2/4/1998			62.50	---	---	3101.94		
	10/19/2000			62.37	---	---	3102.07		
	2/7/2001			62.43	---	---	3102.01		
	4/30/2002			62.37	---	---	3102.07		
	10/11/2002			62.35	---	---	3102.09		
	12/26/2002			62.34	---	---	3102.10		
	2/17/2003			62.34	---	---	3102.10		
	5/29/2003			62.22	---	---	3102.22		
	8/22/2003			62.35	---	---	3102.09		
	11/5/2003			62.31	---	---	3102.13		
	2/3/2004			62.27	---	---	3102.17		
	5/5/2004			62.11	---	---	3102.33		
	8/2/2004			62.01	---	---	3102.43		
	11/23/2004			61.40	---	---	3103.04		
	2/9/2005			61.30	---	---	3103.14		
	8/4/2005			61.61	---	---	3102.83		
	2/23/2006			67.28	61.24	---	---		3103.20
	8/25/2006			67.28	61.43	---	---		3102.57

TABLE I
GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

WELL TOC elev ¹	DATE	Well Diameter (inches)	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL (ft below TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL ²)	Screen interval (bgs ³)
Southwest MW 3,164.54 ⁴	8/22/1997	2	70.45	63.25	---	---	3101.29	--
	2/4/1998			63.21	---	---	3101.33	
	10/19/2000			63.06	---	---	3101.48	
	2/7/2001			63.10	---	---	3101.44	
	4/30/2002			63.06	---	---	3101.48	
	10/11/2002			62.72	---	---	3101.82	
	12/26/2002			62.70	---	---	3101.84	
	2/17/2003			62.70	---	---	3101.84	
	5/29/2003			62.92	---	---	3101.62	
	8/22/2003			63.04	---	---	3101.50	
	11/5/2003			63.03	---	---	3101.51	
	2/3/2004			62.99	---	---	3101.55	
	5/5/2004			62.90	---	---	3101.64	
	8/2/2004			62.71	---	---	3101.83	
	11/23/2004			62.17	---	---	3102.37	
	2/9/2005			62.05	---	---	3102.49	
8/4/2005	62.33	---	---	3102.21				
2/23/2006	70.16	61.98	---	---	3102.56			
8/25/2006	70.16	62.17	---	---	3102.83			
RW-1 3,163.52	1/14/1999	4	76.30	50.85	---	---	3112.67	53'-73'
	10/19/2000			62.33	---	---	3101.19	
	4/30/2002			62.28	---	---	3101.24	
	10/11/2002			62.27	---	---	3101.25	
	12/26/2002			62.26	---	---	3101.26	
	2/17/2003			62.26	---	---	3101.26	
	5/29/2003			62.34	---	---	3101.18	
	8/22/2003			62.25	---	---	3101.27	
	11/5/2003			62.25	---	---	3101.27	
	2/3/2004			62.20	---	---	3101.32	
	5/5/2004			62.12	---	---	3101.40	
	8/2/2004			61.96	---	---	3101.56	
	11/23/2004			61.46	---	---	3102.06	
	2/9/2005			61.30	---	---	3102.22	
	8/4/2005			61.51	---	---	3102.01	
	2/23/2006			75.45	61.20	---	---	
8/25/2006	75.45	61.36	---	---	3102.64			

Notes:

¹TOC - Top of Casing

²MSL - Mean Sea Level

³BGS - Below ground surface

⁴NG - Not Gauged

⁵Professional Survey conducted by Piper Surveying Company in February & July 1998, October 2001, October 2003, & December 2004.

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
 IEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)	
		NMWQCC Standard (mg/L)													
				250	1.60	10.00	600.0					1000			
MW-1	08/22/97	-	-	-	-	-	92	-	-	-	-	-	-	-	
	02/17/98	<2.0	220	233	-	-	70	15.7	55.8	11.4	115	812	276	-	
	02/07/01	<1.0	136	440	2.10	2.8	72.5	103	38.7	8.68	105	1,200	-	-	
	05/03/02	<1.0	144	428	1.60	3.06	109	69.3	24.8	7.45	125	737	-	<1.00	
	10/11/02	<0.1	155	230	-	-	109	76.6	27.4	5.16	129	728	-	<0.10	
	12/27/02	<0.1	149	248	-	-	114	59.1	21.4	5.06	116	713	-	<0.10	
	02/18/03	<0.1	147	213	-	-	73.3	135	47.8	8.62	118	1,320	-	<1.00	
	06/02/03	<1.0	132	434	1.77	2.99	73.3	92.7	31.3	7.17	118	856	-	<1.00	
	08/25/03	<1.0	144	279	1.76	3.39	78.9	110	37.7	9.03	114	994	-	<1.00	
	11/05/03	<1.0	162	330	1.94	3.42	71.1	117	43.2	10.2	113	940	-	<1.00	
	02/04/04	<1.0	142	390	1.92	3.25	135	60.2	18.3	8.93	302	1,316	-	<1.00	
	05/06/04	<1.00	260	403	1.90	4.8	83.2	64.1	30.8	6.41	127	431	-	<0.10	
	08/03/04	<0.1	155	222	-	-	104	101	45.5	6.72	436	605	-	<1.00	
	08/03/04	<0.1	158	301	-	-	79.2	97.9	8.18	8.18	125	840	-	<1.00	
	02/11/05	<1.00	146	289	2.68	4.3	89.6	75.5	26.7	6.99	104	856	-	<1.00	
	08/05/05	<1.00	156	245	2.08	4.34	83	55.9	18.7	5.19	104	707	-	<1.00	
	02/22/06	<10.0	160	180	1.60	3.5	85	57.9	20	5.23	102	840	-	<10.0	
02/22/06	<10.0	170	160	1.60	3.5	81	57.4	19.3	4.36	107	660	-	<10.0		
08/24/06	<10.0	300	180	1.80	3.11	-	-	-	-	-	-	-	-	-	
MW-2	08/22/97	-	-	-	-	-	141	-	-	-	-	-	124	-	
	02/17/98	<2.0	360	423	-	-	130	124	40.7	10.9	359	1,257	-	-	
	02/07/01	<1.0	234	570	2.70	5	148	21	6.18	8.52	315	1,500	-	<1.00	
	05/03/02	<1.0	262	349	2.28	5.36	176	18.1	4.92	7.49	329	1,120	-	<0.10	
	10/11/02	10.0	250	337	-	-	142	17.8	5.16	6.1	339	1,110	-	<0.10	
	12/27/02	12.0	238	319	-	-	178	19.4	6.02	6.3	331	1,070	-	<0.10	
	02/18/03	<0.1	228	310	-	-	115	176	52.6	9.94	383	1,955	-	<1.00	
	06/02/03	<1.0	206	769	2.05	4.43	142	36.1	10.8	8.49	333	1,240	-	<1.00	
	08/25/03	<1.0	242	374	2.07	5.14	145	68.7	21.1	10.1	327	1,354	-	<1.00	
	11/05/03	<1.0	232	498	2.21	5.13	131	76.1	25.2	10.7	324	1,424	-	<1.00	
	02/04/04	<1.0	230	450	2.06	4.97	75.3	108	38.5	8.38	102	984	-	<1.00	
	05/06/04	<1.00	150	341	1.79	3.23	144	50.8	34.7	11	472	811	-	<0.10	
	08/03/04	<0.1	236	496	-	-	130	103	34.5	11.3	324	1,462	-	<1.00	
	02/11/05	<1.00	220	604	2.79	5.48	154	34.5	10.3	10.7	341	1,120	-	<1.00	
	08/05/05	<1.00	228	404	2.24	5.7	150	19.5	5.84	6.15	259	1,180	-	<10.0	
	02/22/06	<10.0	250	320	1.70	5.1	140	26.3	7.7	4.23	298	1,610	-	<10.0	
	8/24/06	<10.0	250	290	<2.5	3.78	-	-	-	-	-	-	-	-	-

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
 LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)	
MW-3	NMWQCC Standard (mg/L)														
				250	1.60	10.00	600.0					1000			
	08/22/97	-	-	-	-	-	-	-	-	-	-	-	-	-	
	02/17/98	<2.0	410	983	-	-	173	-	-	-	-	2,261	232	-	
	02/07/01	8.0	278	890	3.40	7.3	200	56.7	18.7	20.4	648	2,100	-	-	
	05/02/02	<1.0	298	735	2.84	7.57	213	27.5	8.39	24.7	42.8	-	-	<1.00	
	05/03/02	<1.0	146	767	2.80	7.39	207	37.9	11.5	25.5	28.2	-	-	<1.00	
	10/11/02	<0.1	288	753	-	-	272	29	9.18	20.6	622	1,960	-	<0.10	
	12/22/02	<0.1	288	727	762	-	-	231	7.34	19.9	698	1,950	-	<0.10	
	02/18/03	<0.1	277	762	802	-	-	180	7.84	16.4	580	1,950	-	<0.10	
	06/02/03	<1.0	270	802	3.07	8.06	203	203	20	18.5	728	2,720	-	<1.00	
	08/26/03	<1.0	282	799	3.00	7.99	198	198	18	16.4	597	2,320	-	<1.00	
	11/06/03	<1.0	286	746	2.52	7.26	214	214	11.1	24.9	577	2,092	-	<1.00	
	11/06/03	<1.0	132	521	521	1.85	2.92	98.1	120	39.5	200	1,392	-	<1.00	
	02/04/04	<1.0	296	755	755	2.74	7.36	205	42.7	13.1	27.1	546	2,275	<1.00	
	05/07/04	<1.00	300	774	774	2.57	7.02	197	38.8	22.2	528	2,140	-	<1.00	
08/03/04	<0.1	291	798	798	-	-	155	21.5	16.7	25.8	1,640	-	<0.10		
02/11/05	<1.00	292	879	879	4.61	9.47	196	47	14.5	19.1	590	-	<1.00		
08/04/05	<1.00	282	922	922	2.86	8.17	217	48	14.7	21.1	1,950	-	<1.00		
02/22/06	<10.0	250	1,100	1,100	1.60	8.5	190	46.8	15.3	15.1	3,860	-	<10.0		
08/24/06	<10	260	750	750	2.6	6.43	190	25.3	7.68	11.9	1,990	-	<10.0		
MW-4	08/22/97	-	-	-	-	-	-	-	-	-	-	-	-	-	
	02/17/98	<2.0	510	372	-	-	136	-	-	-	-	1,268	-	-	
	02/07/01	<1.0	286	1,200	1.70	4.7	100	248	84.7	24	506	2,600	-	-	
	05/03/02	<1.0	250	868	1.00	4.72	163	137	48.4	40.7	441	-	-	<1.00	
	10/14/02	<0.1	342	381	-	-	124	9.4	2.48	38.4	405	1,220	-	<0.10	
	10/14/02	<0.1	358	372	-	-	116	8.8	2.38	37.4	409	1,260	-	<0.10	
	12/22/02	<0.1	288	505	-	-	114	21.2	4.42	50.6	461	1,450	-	<0.10	
	12/22/02	<0.1	158	115	115	-	-	139	55.5	23	4.94	594	-	<0.10	
	02/18/03	<0.1	264	691	691	-	-	118	32.2	7.5	59	1,610	-	<0.10	
	05/30/03	<1.0	236	1,020	1,020	<2.00	5.53	79.6	113	29.7	664	2,670	-	<1.00	
	08/25/03	<1.0	192	1,170	1,170	<2.00	5.43	72.9	143	35	616	2,935	-	<1.00	
	11/07/03	<1.0	194	1,620	1,620	<2.00	5.48	76.6	228	61.4	629	3,035	-	<1.00	
	02/05/04	<1.0	170	1,700	1,700	<2.00	5.93	79	277	75.9	108	3,380	-	<1.00	
	05/06/04	<1.00	158	2,150	2,150	<3.00	5.94	88.2	407	99.9	593	4,090	-	<1.00	
	08/03/04	<0.1	150	2,730	2,730	-	-	125	632	191	124	6,810	-	<0.10	
	02/11/05	<1.00	136	4,520	4,520	<1.00	5.19	127	1060	289	156	9,030	-	<1.00	
08/04/05	<1.00	132	6,580	6,580	<1.00	5.34	166	1650	375	142	13,200	-	<1.00		
02/25/06	<10.0	130	9,100	9,100	<2.5	10	220	1510	326	141	17,900	-	<10.0		
08/25/06	<10.0	140	12,000	12,000	<5	6.13	290	1350	364	136	18,500	-	<10.0		

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
 IEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)		250	600.0	10.00	1.60	600.0	1000	1000	1000	1000	1000	1000	1000	1000
MW-5	08/22/97	—	—	—	—	—	—	—	—	—	—	—	—	—
	02/17/98	<2.0	360	408	—	—	151	—	—	—	—	1,219	—	—
	02/07/01	<1.0	214	570	1.60	4.8	140	123	40.8	20.3	331	1,500	116	—
	05/03/02	<1.0	238	335	0.96	5.36	162	37.3	11.1	27.3	287	—	—	<1.00
	10/11/02	<0.1	232	337	—	—	173	31.8	10	20.7	305	1,100	—	<0.10
	12/27/02	<0.1	232	337	—	—	171	31.3	8.55	20.6	319	1,210	—	<0.10
	02/18/03	<0.1	210	319	—	—	176	27.2	8.48	16.5	231	1,110	—	<0.10
	06/02/03	<1.0	196	588	1.23	4.86	142	132	40.5	21.2	364	1,644	—	<0.10
	08/26/03	<1.0	210	447	1.32	4.85	141	95.1	29	23.4	291	1,480	—	<1.00
	11/06/03	<1.0	214	456	1.43	5.11	152	94	29.3	24.8	282	1,430	—	<1.00
	02/04/04	<1.0	206	504	1.38	5.31	147	95.1	31.4	27.3	289	1,410	—	<1.00
	05/07/04	<1.00	222	381	1.02	5.98	151	55.9	16.3	25.7	301	1,250	—	<1.00
	05/07/04	<1.00	242	330	1.04	5.75	152	50.7	14.6	27.4	292	1,168	—	<1.00
	08/03/04	<0.1	229	461	—	—	155	47.9	31.3	31.1	435	968	—	<0.10
02/11/05	<1.0	288	408	2.58	8.36	243	46.2	13.3	30.6	433	1,598	—	<1.0	
08/04/05	<1.00	256	423	1.83	6.82	201	60.5	18.6	20.3	354	1,334	—	<1.00	
08/04/05	<1.00	242	394	1.82	6.74	200	49.2	14.8	21.5	341	1,220	—	<1.00	
02/22/06	<10.0	220	800	1.30	6.6	160	222	69.4	14	274	2,670	—	<10.0	
08/24/06	<10.0	190	930	3	5.09	140	145	47.6	13.1	295	1,280	—	<10.0	
MW-6	02/07/01	<1.0	200	1800	3.3	5.4	140	323	108	18.8	657	3,800	—	—
	05/02/02	<1.0	264	503	3.68	7.04	183	24.9	7.29	17.4	475	—	—	<1.00
	10/14/02	<0.1	262	620	—	—	206	18.6	5.34	17.5	556	1,670	—	<0.10
	12/27/02	36.00	218	620	—	—	192	21.2	6.08	13.6	584	1,650	—	<0.10
	02/18/03	16.00	238	638	—	—	298	22.1	6.43	11.8	524	1,700	—	<0.10
	06/02/03	<1.0	244	772	3.24	6.62	151	68.7	23.3	14.4	614	2,040	—	<1.00
	08/26/03	<1.0	246	607	2.95	6.65	179	35.9	11.6	12.2	525	2,370	—	<1.00
	11/06/03	<1.0	250	649	3.28	6.89	191	46	13.9	18.1	503	1,932	—	<1.00
	02/04/04	<1.0	266	713	3.15	7.2	189	48.9	15.4	19.9	517	2,210	—	<1.00
	05/07/04	<1.00	266	696	2.92	6.74	182	54.8	16.1	16	503	2,095	—	<1.00
	08/03/04	<0.1	260	718	—	—	240	22.7	21.7	21.7	825	1,430	—	<0.10
	02/11/05	<1.00	270	660	3.76	7.84	192	30.1	9.13	19.5	531	1,774	—	<1.00
	08/04/05	<1.00	268	764	3.16	7.83	206	56.6	18.8	15.3	576	1,650	—	<1.00
	02/22/06	<10.0	270	610	2.40	7.9	180	23.9	7.41	10.9	380	1,570	—	<10.0
08/24/06	<10.0	260	590	3	5.96	170	108	35	9.38	448	1,880	—	<10.0	

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
 LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)	
		NMWQCC Standard (mg/L)													
MW-7	02/07/01	<1.0	238	500	3.20	4.1	100	80.3	27.3	10.4	326	1,300	--	--	
	05/02/02	<1.0	244	466	2.94	4.18	106	46.6	17	8.42	307	--	--	<1.00	
	10/11/02	<0.1	242	408	--	--	128	39.7	13.5	6.7	316	1,120	--	<0.10	
	12/27/02	<0.1	232	452	--	--	109	56.2	19.2	5.52	353	1,220	--	<0.10	
	02/17/03	<0.1	200	603	--	--	134	90.6	30.9	5.86	339	1,440	--	<0.10	
	06/02/03	<1.0	242	388	3.23	4.33	115	39.5	12.5	6.16	370	1,216	--	<1.00	
	08/25/03	<1.0	232	367	2.77	4.07	105	39.3	12.3	7.14	309	1,244	--	<1.00	
	11/05/03	<1.0	240	343	3.08	4.16	117	36.6	11.4	7.67	304	1,186	--	<1.00	
	11/05/03	<1.0	238	355	3.04	4.19	117	34.7	10.8	7.63	298	1,170	--	<1.00	
	02/04/04	<1.0	262	320	3.10	4.25	112	30.7	9.87	7.95	298	1,138	--	<1.00	
	05/06/04	<1.00	260	339	3.10	2.90	112	35.2	10.3	6.81	282	1,172	--	<1.00	
	08/03/04	<0.1	248	328	3.28	--	126	22.8	12.1	7.55	456	734	--	<0.10	
	02/11/05	<1.00	238	332	3.32	3.76	123	123	31.5	9.99	296	1,128	--	<1.00	
	08/05/05	<1.00	240	430	4.30	3.10	144	144	58.2	19.2	8.43	1,180	--	<1.00	
08/05/05	<1.00	236	387	3.87	3.14	144	144	38.7	12.5	6.51	1,100	--	<1.00		
02/22/06	<10.0	290	240	240	2.60	3.3	120	30.6	9.98	4.89	227	1,120	--	<10.0	
08/24/06	<10.0	260	230	230	3.1	2.97	110	23.3	7.82	2.96	245	952	--	<10.0	
MW-8	02/07/01	20	240	900	3.20	6.6	160	79.4	24.5	12.7	604	2,100	--	--	
	05/02/02	<1.0	236	818	2.65	6.68	168	94.5	29.2	13	527	--	--	<1.00	
	10/14/02	<0.1	250	842	--	--	194	52.4	20.4	10.8	597	1,920	--	<0.10	
	12/27/02	<0.1	233	833	--	--	173	59.8	20	8.64	627	2,000	--	<0.10	
	02/18/03	<0.1	213	833	--	--	185	53	17.6	7.13	489	1,930	--	<0.10	
	06/02/03	<1.0	244	777	3.29	6.82	173	60	18.9	9.47	650	1,968	--	<1.00	
	08/25/03	<1.0	244	738	2.85	6.42	159	59.4	17.3	11.4	534	1,996	--	<1.00	
	11/07/03	<1.0	248	722	3.27	6.65	171	58.1	17.9	12.2	525	1,972	--	<1.00	
	02/04/04	<1.0	254	764	3.77	7.85	161	55.2	18.2	13.2	522	2,038	--	<1.00	
	05/06/04	8.00	262	774	3.36	7.43	164	56.2	16.9	10.7	501	1,968	--	<1.00	
	08/04/04	<0.1	246	771	--	--	222	28.6	21.5	11	707	1,530	--	<0.10	
	02/11/05	<1.00	238	818	4.28	8.46	167	58.3	19	13.2	543	2,080	--	<1.00	
	08/05/05	<1.00	236	888	3.29	7.66	184	71.5	23.3	11.7	574	2,230	--	<1.00	
	02/22/06	<10.0	230	810	2.40	2.40	170	55.1	18	8.05	390	1,740	--	<10.0	
08/24/06	<10.0	280	710	3.2	3.2	170	51.2	16.5	6	470	926	--	<10.0		

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
 LEA COUNTY, NEW MEXICO

Well Number	Sample Date	NMWQCC Standard (mg/L)												
		Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
MW-9	05/01/02	<1.0	142	250	1.60	10.00	600.0	—	—	—	1800	—	—	<1.00
	10/14/02	<0.1	137	439	1.88	3.26	106	98.8	35.8	9.93	188	—	—	<0.10
	12/27/02	<0.1	124	443	—	—	119	88.4	33.1	10.4	216	—	—	<0.10
	02/18/03	<0.1	105	434	—	—	120	93.8	33.8	6.22	192	—	—	<0.10
	05/30/03	<1.0	122	461	1.82	3.01	126	99.3	34.1	5.62	200	—	—	<1.00
	08/25/03	<1.0	114	514	1.58	2.98	102	113	37.9	7.98	240	—	—	<1.00
	11/07/03	<1.0	132	468	1.68	2.86	95.2	120	39.2	9.45	219	—	—	<1.00
	02/05/04	<1.0	124	610	2.32	4.18	96.2	119	39	9.18	200	—	—	<1.00
	02/05/04	<1.0	120	581	1.23	2.19	97.7	125	41.1	10.3	221	—	—	<1.00
	05/05/04	<1.00	122	616	1.39	2.68	53.6	132	43.9	10.1	203	—	—	<1.00
	05/05/04	<1.00	124	599	1.43	2.72	91	142	50	9.65	212	—	—	<1.00
	08/03/04	<0.1	110	691	—	—	115	184	62.9	10.5	279	—	—	<0.10
	02/11/05	<1.00	98	1,960	3.63	5.36	103	495	164	21.5	388	—	—	<1.00
	08/04/05	<1.00	218	10,000	1.54	5.15	224	2,280	686	42.8	1,390	—	—	<1.00
02/23/06	<10.0	110	13,000	<2.5	19	430	2,050	438	47.8	1,450	—	—	<10.0	
08/25/06	<10.0	260	10,000	<2.5	3.75	360	1,330	360	38.3	1,920	—	—	<10.0	
MW-10	10/14/02	<0.1	204	71	—	—	145	42.3	22.8	7.77	87.3	—	—	<0.10
	12/27/02	<0.1	196	70	—	—	149	68.4	23.1	7.69	92.8	—	—	<0.10
	02/18/03	<0.1	184	65	—	—	159	67.1	22.8	3.04	90.7	—	—	<0.10
	06/02/03	<1.0	198	55.7	1.60	4.31	134	75.7	22.4	4.95	80.4	—	—	<1.00
	08/26/03	<1.0	188	56.1	1.58	4.1	125	70.6	23.4	6.29	72.3	—	—	<1.00
	11/07/03	<1.0	200	70.9	1.69	4.19	131	70.2	23.5	5.8	69.3	—	—	<1.00
	02/05/04	<1.0	196	101	1.68	4.22	121	75.8	25.7	6.29	73.8	—	—	<1.00
	05/07/04	<1.00	174	186	1.40	3.8	111	92.9	30.1	6.34	78.3	—	—	<1.00
	08/03/04	<0.1	144	328	—	—	118	106	49.5	7.7	106	—	—	<0.10
	02/11/05	<1.0	112	1,110	3.44	5.86	93.1	357	115	14	137	—	—	<1.00
08/04/05	<1.00	112	1,500	1.32	4.02	94.5	419	139	11.5	186	—	—	<1.00	
02/22/06	<10.0	89	2,000	<0.50	6.5	98	520	158	13.8	180	—	—	<10.0	
08/25/06	<10.0	110	2,200	<2.5	3.24	97	660	201	13.7	253	—	—	<10.0	

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
 LEA COUNTY, NEW MEXICO

Well Number	Sample Date	NMWQCC Standard (mg/L)											TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)			
		Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)							
MW-11	04/30/02	NS	NS	250	1.60	10.00	600.0	—	—	—	—	—	—	—	—	—	—	
	10/11/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/26/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	02/17/03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	05/29/03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	08/22/03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/05/03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/03/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	05/05/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/02/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/23/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/09/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/04/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/22/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-12	05/02/02	<1.0	88	1,120	1.37	4.09	45.3	431	153	17.7	123	—	—	—	—	<1.00		
	10/11/02	<0.1	93	1,370	—	—	47.5	438	161	15.4	127	2,860	—	—	—	<0.10		
	12/27/02	<0.1	78	1,520	—	—	49.3	507	181	14.1	151	3,460	—	—	—	<0.10		
	02/17/03	<0.1	68	1,530	—	—	52.4	461	170	13.3	136	3,980	—	—	—	<0.10		
	06/02/03	<1.0	72	1,380	<2.00	5.06	45.8	491	157	15.3	151	3,250	—	—	—	<1.00		
	08/26/03	<1.0	66	1,550	<2.00	4.94	45.9	525	178	14.8	156	3,855	—	—	—	<1.00		
	11/06/03	<1.0	80	1,610	2.25	4.81	50.3	568	189	20.1	159	3,860	—	—	—	<1.00		
	02/05/04	<1.0	74	1,680	2.19	5.13	46	525	181	21.6	160	2,910	—	—	—	<1.00		
	05/07/04	<1.0	70	1,620	<3.00	5.13	53.6	541	178	18.5	152	3,085	—	—	—	<1.0		
	08/03/04	<0.1	66	1,660	—	—	55.2	680	252	31.1	211	4,300	—	—	—	<0.10		
	02/11/05	<1.00	82	1,770	2.04	6.08	47.7	503	176	17.8	138	3,080	—	—	—	<1.00		
	08/05/05	<1.00	72	1,800	1.66	4.69	48.6	547	194	15.2	149	4,180	—	—	—	<1.00		
	02/22/06	<10.0	73	1,700	0.70	6.7	48	415	135	14.9	129	4,590	—	—	—	<10.0		
	08/24/06	<10.0	87	1,700	0.93	3.06	48	463	157	12.2	140	6,190	—	—	—	<10.0		

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
 LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)	
MW-13	NMWQC Standard (mg/L)														
		<1.0		250	1.60	10.00	600.0					1000			
	05/02/02		122	277	2.31	4.38	131	125	44.3	10.2	65.6			<1.00	
	10/11/02	<0.1	115	337			124	135	46.5	9.47	86.6	1,210		<0.10	
	12/27/02	<0.1	104	408			132	160	55.2	9.71	84.5	1,260		<0.10	
	02/17/03	<0.1	80	443			144	152	54.9	8.88	108	1,370		<0.10	
	06/02/03	<1.0	102	421	2.27	4.43	122	153	56	11	90.9	1,260		<1.00	
	08/26/03	<1.0	92	500	2.10	4.23	115	179	66	12	95.6	1,360		<1.00	
	11/06/03	<1.0	98	492	2.25	4.42	125	183	68.6	14.3	91.5	1,434		<1.00	
	02/05/04	<1.0	96	543	2.30	4.56	120	179	65.6	15.4	98.3	1,220		<1.00	
	05/07/04	<1.00	98	496	2.04	4.14	116	184	62.2	12.8	89.3	1,278		<1.00	
	08/03/04	<0.1	95	532			116	225	77.3	15	111	1,410		<0.10	
	02/11/05	<1.00	100	491	4.91	2.19	117	171	61.7	13.3	92.3	1,260		<1.00	
	08/05/05	<1.00	96	759	2.29	5.11	125	217	70.8	12.7	103	1,550		<1.00	
	02/22/06	<10.0	89	590	1.70	4.8	120	177	61.2	11.5	91.8	2,090		<10.0	
	08/24/06	<10.0	150	760	<2.5	3.58	120	228	78.7	10.9	107	2,590		<10.0	
MW-14	11/05/03	<1.0	100	3,500	<4.00	6.58	525	951	324	45.3	732	7,315		<1.00	
	02/04/04	<1.0	74	3,910	<3.00	6.01	599	966	320	46.1	840	7,720		<1.0	
	05/06/04	<1.00	86	3,970	<4.00	5.54	594	997	350	42.5	836	9,560		<1.00	
	08/04/04	<0.1	78	4,430			695	1,350	455	60.3	1,220	11,500		<0.10	
	02/11/05	<1.00	80	6,120	3.50	5.99	752	1,180	370	56.8	1,250	8,860		<1.00	
	08/05/05	<1.00	86	6,480	1.84	5.04	882	1,230	400	46.3	1,440	9,570		<1.00	
	02/22/06	<10.0	81	5,300	<0.50	11	700	914	253	34.1	885	12,100		<10.0	
	02/22/06	<10.0	82	5,000	<0.50	<4.0	690	916	253	34	884	11,600		<10.0	
	08/24/06	<10.0	85	5,600	<5	3.74	690	942	266	27.8	1370	11,300		<10.0	
	MW-15	11/05/03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
02/03/04		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
05/05/04		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
08/02/04		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
11/23/04		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
02/09/05		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
08/04/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
02/22/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
 LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)														
		<1.0		250	1.60	10.00	600.0	—	—	—	—	1000	—	—
MW-16	11/06/03		188	863	1.79	5.65	150	183	55.6	14.2	372	2,100	—	<1.00
	02/04/04	<1.0	174	937	2.19	6.59	123	235	76.8	15.2	299	2,200	—	<1.00
	05/07/04	<1.00	172	953	<2.00	5.91	123	240	73.8	12.7	313	2,280	—	<1.00
	08/03/04	<0.1	158	1,010	—	—	159	250	87.5	13.5	382	2,560	—	<0.10
	02/11/05	<1.00	180	944	2.40	7.24	151	198	62.4	10.9	344	2,260	—	<1.00
	08/05/05	<1.00	230	568	1.99	5.14	146	134	46.9	8.7	249	1,420	—	<1.00
	02/22/06	<10.0	180	590	1.30	5.2	110	120	39.1	7.17	207	1,770	—	<10.0
	08/24/06	<10.0	490	500	<2.5	3.17	89	123	40.6	4.93	207	1,460	—	<10.0
MW-17	11/05/03	<1.0	154	587	2.06	3.85	104	177	58.2	12.5	184	1,556	—	<1.00
	02/04/04	<1.0	158	650	2.01	3.93	93.1	158	52.5	12.2	205	1,416	—	<1.00
	02/04/04	<1.0	172	557	2.08	4.03	95.7	162	52.6	12.1	204	1,496	—	<1.00
	05/06/04	<1.00	162	604	1.77	3.57	91.2	182	57.7	10.9	176	1,416	—	<1.00
	08/04/04	<0.1	141	638	—	—	132	207	81	12.7	221	1,660	—	<0.10
	02/11/05	<1.00	174	572	2.94	4.61	101	134	45.9	11	229	1,470	—	<1.00
	08/05/05	<1.00	172	626	2.16	4.37	106	169	53.5	9.5	220	1,750	—	<1.00
	02/22/06	<10.0	150	580	1.50	4.0	97	123	40.1	8.04	187	1,310	—	<10.0
DUP	8/24/2006	<10.0	200	560	<2.5	3.06	100	140	46.1	5.94	178	1,700	—	<10.0
	08/24/06	<10.0	320	530	<2.5	2.94	100	135	46.5	5.76	175	1,700	—	<10.0
MW-18	11/23/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/09/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/04/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-19	02/22/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/23/04	<1.00	86	7,000	<10.0	17.3	582	2,020	678	52.4	1590	12,900	—	<1.00
	02/11/05	<1.00	92	5,200	1.30	5.12	502	1,340	522	61.3	974	22,000	—	<1.00
	08/05/05	<1.00	82	4,850	1.76	4.7	450	1,200	422	50.6	793	9,750	—	<1.00
	08/05/05	<1.00	80	5,170	1.87	4.83	462	1,270	463	51.0	814	15,800	—	<1.00
	02/22/06	<10.0	75	3,900	<0.50	8.9	400	870	271	32.6	464	8,830	—	<10.0
MW-20	08/24/06	<10.0	250	3,900	<5	3.01	390	902	293	28.8	582	10,900	—	<10.0
	11/23/04	<1.00	82	606	2.49	2.9	79.7	176	62.6	13.6	104	985	—	<1.00
	02/11/05	<1.00	88	745	1.86	4.34	73.8	227	77.5	15	117	1,480	—	<1.00
	08/05/05	<1.00	80	1,170	1.76	4.55	84.5	326	116	14.7	162	2,640	—	<1.00
	02/22/06	<10.0	110	1,100	0.98	5.5	83	295	103	13.5	145	3,000	—	<10.0
	08/24/06	<10.0	1,100	1,100	<2.5	3.39	84	288	101	11.2	160	3,590	—	<10.0

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
 IEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate-N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)	
NMWQCC Standard (mg/L)		1.60	10.00	600.0	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
West	08/22/97	—	—	250	—	—	—	—	—	—	—	—	—	—	
	02/17/98	<2.0	370	237	—	—	134	—	—	—	—	975	96	—	
	02/07/01	<1.0	236	340	2.00	4.5	120	39.7	12.5	33.2	264	1,000	—	—	
	05/03/02	<1.0	214	329	1.39	4.36	116	41.9	11.9	40.9	234	—	—	<1.00	
	10/14/02	<0.1	210	337	—	—	127	39.3	9.37	35.6	290	986	—	<0.10	
	12/27/02	<0.1	198	337	—	—	134	43.1	12.5	33.2	263	997	—	<0.10	
	02/18/03	<0.1	190	354	—	—	141	33.6	9.78	23.9	152	1,010	—	<0.10	
	05/30/03	<1.0	202	353	1.54	4.16	116	48.4	13.3	35.1	283	1,050	—	<1.00	
	08/25/03	<1.0	194	351	1.50	4.08	112	49.4	13.2	38.4	265	1,066	—	<1.00	
	11/07/03	<1.0	204	327	1.65	3.98	115	51.3	13.8	38.8	235	1,100	—	<1.00	
	02/05/04	<1.0	196	345	1.66	4.09	112	51.6	14.6	41.4	235	1,074	—	<1.00	
	05/06/04	<1.00	200	339	1.44	3.83	115	53.6	14	37.3	241	1,040	—	<1.00	
	08/03/04	<0.1	186	337	—	—	147	41.7	20.1	49.1	297	717	—	<0.10	
	02/11/05	<1.00	186	417	2.44	4.47	117	75.9	21.4	43.9	241	1,128	—	<1.00	
	08/04/05	<1.00	150	526	1.54	4.16	129	87	23.6	42.2	280	1,104	—	<1.00	
	02/23/06	<10.0	150	800	0.76	4	110	149	44.3	47.1	257	2,390	—	<10.0	
	08/25/06	<10.0	150	1,500	—	2.78	97	315	87.6	67.7	400	4,840	—	<10.0	
	Southwest	08/22/97	—	—	3,300	—	—	—	—	—	—	—	—	—	—
		02/17/98	<2.0	420	2,170	—	—	255	—	—	—	—	4,719	712	—
		02/07/01	<1.0	326	1,900	2.20	5	350	197	59.1	—	1,078	4,100	—	—
05/03/02		<1.0	272	1,490	1.38	4.51	301	200	65	46.4	744	—	—	<1.00	
10/14/02		<0.1	330	1,330	—	—	360	110	32.5	61.5	929	3,020	—	<0.10	
12/27/02		<0.1	308	1,280	—	—	319	107	31.9	66.8	980	3,940	—	<0.10	
02/18/03		<0.1	289	1,290	—	—	300	104	31.3	63	918	2,910	—	<0.10	
06/02/03		<0.1	298	1,310	—	—	299	108	32.2	58.3	812	3,040	—	<0.10	
06/02/03		<1.0	304	1,420	2.34	5.83	282	161	45.7	49.1	935	4,070	—	<1.00	
06/02/03		<1.0	290	1,370	2.12	5.65	287	169	54.5	45	899	3,420	—	<1.00	
08/25/03		<1.0	310	1,190	2.25	6.1	272	117	33.6	49.7	774	3,205	—	<1.00	
08/25/03		<1.0	200	1,260	—	<2.00	75.5	159	41.8	79	591	3,270	—	<1.00	
11/07/03		<1.0	300	1,240	2.29	5.77	238	129	35.4	48.5	727	3,275	—	<1.00	
02/05/04		<1.0	300	1,240	2.37	6.17	238	109	33.1	52.2	716	2,860	—	<1.00	
05/06/04		<1.00	294	1,310	—	<3.00	6.38	231	30.8	53.2	780	3,180	—	<1.00	
08/03/04		<0.1	276	1,400	—	—	—	264	75.1	82.4	1,660	2,550	—	<0.10	
02/11/05		<1.00	260	2,920	1.33	9.61	325	230	94.5	64.4	1,240	5,575	—	<1.00	
08/04/05		<1.00	226	5,290	1.55	11.7	691	325	201	101	1,980	12,000	—	<1.00	
02/23/06	<10.0	300	3,000	—	<2.5	11	450	108	77.1	896	6,300	—	<10.0		
08/25/06	<10.0	300	3,100	—	<5.0	5.99	600	415	117	74.9	7,600	—	<10.0		

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
 CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
 G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
 SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
 LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)	
NMWQCC Standard (mg/L)		250	600.0	10.00	1.60	5.2	330	107	29.6	50	843	1000	—	—	
RW-1	10/20/00	<1.0	330	1,500	1.70	5.2	330	107	29.6	50	843	3,200	—	—	
	10/14/02	<0.1	327	1,150	—	—	340	60.3	25.5	64.3	820	2,720	—	<0.10	
	12/27/02	<0.1	294	1,300	—	—	330	123	40.3	56.8	933	3,190	—	<0.10	
	02/18/03	<0.1	300	1,150	—	—	316	79.7	25.7	53	721	2,690	—	<0.10	
	06/02/03	<1.0	276	1,500	2.05	5.34	275	194	67.21	40.8	923	4,070	—	<1.00	
	08/25/03	<1.0	298	1,190	2.01	6.15	278	117	32.7	46.1	705	2,940	—	<1.00	
	11/07/03	<1.0	298	1,300	2.13	5.56	266	166	48.1	51.7	106	3,240	—	<1.00	
	02/05/04	<1.0	292	1,270	2.22	5.92	246	148	44.7	53.8	704	2,780	—	<1.00	
	05/06/04	<1.00	310	1,100	<3.00	6.62	235	104	28.3	64.2	635	2,840	—	<1.00	
	05/06/04	<1.00	288	1,040	<3.00	6.64	243	90	24.1	44.5	642	2,705	—	<1.00	
	08/04/04	<0.1	284	1,120	—	—	290	44.8	33	86.9	785	2,250	—	<0.10	
	08/04/04	<0.1	288	1,130	—	—	274	45	31.6	84	961	2,550	—	<0.10	
	02/11/05	<1.00	262	1,730	3.59	8.93	217	172	172	51.5	84	3,995	—	<1.00	
	02/11/05	<1.00	268	1,690	2.00	8.59	224	159	159	46.4	81	3,170	—	<1.00	
	08/04/05	<1.00	252	2,470	1.26	5.8	188	262	262	76.1	87.5	1,090	—	<1.00	
02/23/06	<10.0	290	2,400	<2.5	8.9	350	234	234	67.6	70.4	762	—	<10.0		
08/25/06	<10.0	290	2,300	<5	4.41	440	281	281	77.3	68.5	1,040	—	<10.0		
08/25/06	<10.0	300	2,300	<5	4.6	450	272	272	77.3	67.1	1,030	—	<10.0		
WW-1	05/01/02	<1.0	172	97.2	1.64	4.05	137	51.4	23.4	8.23	84.9	—	—	<1.00	
	10/10/02	<0.1	168	106	—	—	124	52.7	22.2	9.99	106	605	—	<0.10	
	12/27/02	<0.1	157	111	—	—	134	55	22.5	5.3	96	572	—	<0.10	
	02/18/03	<0.1	152	115	—	—	137	53.8	22.1	6.38	93.5	601	—	<0.10	
	06/02/03	<1.0	154	127	1.69	3.77	119	99.5	24.1	7.14	118	621	—	<1.00	
	08/25/03	<1.0	148	136	1.70	3.72	111	63	24	8.43	104	652	—	<1.00	
	11/07/03	<1.0	156	149	1.80	3.62	111	62.3	24.4	8.3	95.5	669	—	<1.00	
	02/04/04	<1.0	156	185	1.81	3.79	102	68.2	25.5	8.7	92.4	709	—	<1.00	
	05/05/04	<1.00	148	204	1.54	3.48	99.7	71.9	26.5	8.25	120	695	—	<1.00	
	08/04/04	<0.1	132	222	—	—	114	92.3	37.9	9.89	139	471	—	<0.10	
	08/04/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/23/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

1. mg/L: Milligrams per liter.
2. <: Concentration below test method detection limit.
3. --: No data available.
4. RW: Recovery well.
5. All analyses prior to 10/14/02 conducted by TraceAnalysis, Inc., Lubbock, TX.
6. Analyses from 10/14/02 conducted by Environmental Lab of Texas, Odessa, TX.
7. Analyses from 5/30/03 and following conducted by Trace Analysis Inc., Lubbock, TX.
8. Analyses from 8/24/06 and 8/25/06, conducted by Pace Analytical, St. Rose, LA and Greenbay, WI laboratories.
9. Highlight: Result exceeds NMWQCC standard.
10. WW: Water well.
11. NS: Note sampled.

APPENDIX A

NMOCD CORRESPONDENCE DATED FEBRUARY 2, 1999



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

February 2, 1999

CERTIFIED MAIL
RETURN RECEIPT NO. Z-274-520-612

Mr. Rodney Bailey
Texaco E&P Inc.
205 E. Bender
Hobbs, New Mexico 88240

**RE: G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
LEA COUNTY, NEW MEXICO**

Dear Mr. Bailey:

The New Mexico Oil Conservation Division (OCD) has reviewed Texaco Exploration & Development's (Texaco) November 18, 1998 "WORK PLAN FOR PLUME DELINEATION AND MODIFICATION TO PROPOSED GROUNDWATER MONITORING SCHEDULE, TEXACO EXPLORATION AND PRODUCTION, INC., G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY, LEA COUNTY, NEW MEXICO". This document which was submitted on behalf of Texaco by their consultant Highlander Environmental Corp. contains the Texaco's proposed work plan for additional investigation of the extent of ground water contamination related to the G.L. Irwin "A&B" Federal NCT-2 Tank Battery located in Unit O, Section 35, T24S, R37E NMPM, Lea County, New Mexico. The document also contains Texaco's proposed modifications to the site ground water monitoring plan.

The above referenced investigation work plan and proposed ground water monitoring plan modifications are **approved** with the following conditions:

- I. Texaco will complete the new monitor wells as follows:
 - a. An appropriately sized gravel pack will be set in the annulus around the well screen from the bottom of the hole to 2-3 feet above the top of the well screen.

Mr. Rodney G. Bailey
February 2, 1999
Page 2

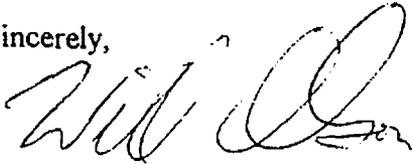
- b. A 2-3 foot bentonite plug will be placed above the gravel pack.
 - c. The remainder of the hole will be grouted to the surface with cement containing 3-5% bentonite.
 - d. A concrete pad and locking well cover will be placed at the surface.
 - e. The well will be developed after construction using EPA approved procedures.
2. No less than 48 hours after the wells are developed, ground water from all monitor wells at each site will be purged, sampled and analyzed for concentrations of major cations and anions, total dissolved solids (TDS) EPA approved methods and quality assurance/quality control (QA/QC).
 3. All wastes generated during the investigation will be disposed of at an OCD approved facility.
 4. Texaco will submit the results of the additional investigations to the OCD in the annual report. The report will include the following investigative information:
 - a. A description of the investigation activities which occurred including conclusions and recommendations.
 - b. A geologic/lithologic log and well completion diagram for each monitor well.
 - c. A water table map showing the location of the pit, monitor wells, recovery wells and any other pertinent site features as well as the direction and magnitude of the hydraulic gradient created using the water table elevation from each monitor well.
 - d. Summary tables of all past and present ground water quality sampling results and copies of all recent laboratory analytical data sheets and associated QA/QC data.
 - e. The disposition of all wastes generated.

Please be advised that OCD approval does not relieve Texaco of liability should the investigation actions fail to adequately define the extent of contamination related to Texaco's activities, or if contamination exists which is outside the scope of the work plan. In addition, OCD approval does not relieve Texaco of responsibility for compliance with any other federal, state or local laws and regulations.

Mr. Rodney G. Bailey
February 2, 1999
Page 3

If you have any questions, please contact me at (505) 827-7154.

Sincerely,

A handwritten signature in black ink, appearing to read "Will Olson". The signature is fluid and cursive, with a large loop at the end.

William C. Olson
Hydrologist
Environmental Bureau

xc: Chris Williams, OCD Hobbs District Office
Mark J. Larson, Highlander Environmental Corp.

APPENDIX B

CERTIFIED LABORATORY REPORTS AND CHAIN-OF-CUSTODY
DOCUMENTATION



Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

March 03, 2006

James Ornelas
CRA
2135 S. Loop 250 West
Midland, TX 79701

RE: Project: 2057796
RE: Project ID: GL. ERWIN TANK BATTERY

Dear James Ornelas:

Enclosed are the analytical results for sample(s) received by the laboratory on February 23, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Cindy Olavesen



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006



Report of Laboratory Analysis

Project Number: 2057796



Sample Cross Reference Report

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

 Pace Analytical*
New Orleans Laboratory

Client: CRA

Project: GL. ERWIN TANK BATTERY

Project No.: 2057796

Sample ID	Lab ID	Matrix	Collection Date/Time		Received Date/Time	
MW-20	20432103	Water	02/22/2006	10:09	02/24/2006	10:15
MW-19	20432104	Water	02/22/2006	11:30	02/24/2006	10:15
MW-17	20432105	Water	02/22/2006	11:59	02/24/2006	10:15
MW-16	20432106	Water	02/22/2006	12:10	02/24/2006	10:15
MW-14	20432107	Water	02/22/2006	11:05	02/24/2006	10:15
MW-13	20432108	Water	02/22/2006	11:41	02/24/2006	10:15
MW-12	20432109	Water	02/22/2006	10:34	02/24/2006	10:15
MW-10	20432110	Water	02/22/2006	12:39	02/24/2006	10:15
MW-8	20432111	Water	02/22/2006	12:24	02/24/2006	10:15
MW-7	20432112	Water	02/22/2006	12:57	02/24/2006	10:15
MW-6	20432113	Water	02/22/2006	13:54	02/24/2006	10:15
MW-5	20432114	Water	02/22/2006	14:25	02/24/2006	10:15
MW-3	20432115	Water	02/22/2006	14:00	02/24/2006	10:15
MW-2	20432116	Water	02/22/2006	13:13	02/24/2006	10:15
MW-1	20432117	Water	02/22/2006	13:38	02/24/2006	10:15
DUP-1	20432118	Water	02/22/2006		02/24/2006	10:15
DUP-2	20432119	Water	02/22/2006		02/24/2006	10:15
MW-9	20432120	Water	02/23/2006	11:05	02/24/2006	10:15
MW-4	20432121	Water	02/23/2006	11:30	02/24/2006	10:15
MW-WEST	20432122	Water	02/23/2006	11:50	02/24/2006	10:15
MW-SW	20432123	Water	02/23/2006	14:33	02/24/2006	10:15
RW-1	20432124	Water	02/23/2006	11:50	02/24/2006	10:15
MW-20	20432156	Water	02/22/2006	10:09	02/23/2006	09:25
MW-19	20432157	Water	02/22/2006	11:30	02/23/2006	09:25
MW-17	20432158	Water	02/22/2006	11:59	02/23/2006	09:25
MW-16	20432159	Water	02/22/2006	12:10	02/23/2006	09:25
MW-14	20432160	Water	02/22/2006	11:05	02/23/2006	09:25
MW-13	20432161	Water	02/22/2006	11:41	02/23/2006	09:25
MW-12	20432162	Water	02/22/2006	10:34	02/23/2006	09:25
MW-10	20432163	Water	02/22/2006	12:39	02/23/2006	09:25
MW-8	20432164	Water	02/22/2006	12:24	02/23/2006	09:25
MW-7	20432165	Water	02/22/2006	12:57	02/23/2006	09:25
MW-6	20432166	Water	02/22/2006	13:54	02/23/2006	09:25
MW-5	20432167	Water	02/22/2006	14:25	02/23/2006	09:25
MW-3	20432168	Water	02/22/2006	14:00	02/23/2006	09:25

3/3/2006 07:06:57

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - LA050004
Louisiana Dept. of Health and Hospitals / Drinking Water - LA050004
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Sample Cross Reference Report

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F

St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client: CRA

Project: GL. ERWIN TANK BATTERY

Project No.: 2057796

Sample ID	Lab ID	Matrix	Collection Date/Time		Received Date/Time	
MW-2	20432169	Water	02/22/2006	13:13	02/23/2006	09:25
MW-1	20432170	Water	02/22/2006	13:38	02/23/2006	09:25
DUP-1	20432171	Water	02/22/2006		02/23/2006	09:25
DUP-2	20432172	Water	02/22/2006		02/23/2006	09:25
MW-9	20432321	Water	02/23/2006	11:05	02/24/2006	09:15
MW-4	20432322	Water	02/23/2006	11:30	02/24/2006	09:15
MW-WEST	20432323	Water	02/23/2006	11:50	02/24/2006	09:15
MW-SW	20432324	Water	02/23/2006	14:33	02/24/2006	09:15
RW-1	20432325	Water	02/23/2006	11:50	02/24/2006	09:15

3/3/2006 07:06:57

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
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Report of Laboratory Analysis

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-20

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432103

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Reg. Limit
Calcium, Dissolved	EPA 6010	69746	1	295000		ug/L	500.	24-Feb-06	02-Mar-06 11:45	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	103000		ug/L	500.	24-Feb-06	02-Mar-06 11:45	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	13500		ug/L	500.	24-Feb-06	02-Mar-06 11:45	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	145000		ug/L	500.	24-Feb-06	02-Mar-06 11:45	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

3/3/2006 07:06:57

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Louisiana Dept. of Environmental Quality (LELAP) - 02006
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Report of Laboratory Analysis

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Phone: 504.469.0333

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-19

Client: CRA

Project: GL ERWIN TANK BATTERY

Site: None

Lab ID: 20432104

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting		Prep.	Analysis	Reg. Limit
							Limit				
Calcium, Dissolved	EPA 6010	69746	1	870000		ug/L	500.		24-Feb-06	02-Mar-06 11:49	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	271000		ug/L	500.		24-Feb-06	02-Mar-06 11:49	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	32600		ug/L	500.		24-Feb-06	02-Mar-06 11:49	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	464000		ug/L	500.		24-Feb-06	02-Mar-06 11:49	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

3/3/2006 07:06:57

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Report of Laboratory Analysis

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St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-17

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432105

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	69746	1	123000		ug/L	500.	24-Feb-06	02-Mar-06 11:53	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	40100		ug/L	500.	24-Feb-06	02-Mar-06 11:53	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	8040		ug/L	500.	24-Feb-06	02-Mar-06 11:53	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	187000		ug/L	500.	24-Feb-06	02-Mar-06 11:53	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

3/3/2006 07:06:57

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
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Report of Laboratory Analysis

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-16

Client: CRA

Project: GL ERWIN TANK BATTERY

Site: None

Lab ID: 20432106

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	69746	1	120000		ug/L	500.	24-Feb-06	02-Mar-06 11:57	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	39100		ug/L	500.	24-Feb-06	02-Mar-06 11:57	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	7170		ug/L	500.	24-Feb-06	02-Mar-06 11:57	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	207000		ug/L	500.	24-Feb-06	02-Mar-06 11:57	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

3/3/2006 07:06:57

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - LA050004
Louisiana Dept. of Health and Hospitals / Drinking Water - LA050004
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-14

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432107

Project No.: 2057796

Description: None

Matrix: Water

% Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	69746	1	914000		ug/L	500.	24-Feb-06	02-Mar-06 12:01	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	253000		ug/L	500.	24-Feb-06	02-Mar-06 12:01	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	34100		ug/L	500.	24-Feb-06	02-Mar-06 12:01	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	885000		ug/L	500.	24-Feb-06	02-Mar-06 12:01	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitability.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - LA050004
Louisiana Dept. of Health and Hospitals / Drinking Water - LA050004
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

3/3/2006 07:06:57

Report of Laboratory Analysis

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-13

Client: CRA

Project: GL ERWIN TANK BATTERY

Site: None

Lab ID: 20432108

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	69746	1	177000		ug/L	500.	24-Feb-06	02-Mar-06 12:05	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	61200		ug/L	500.	24-Feb-06	02-Mar-06 12:05	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	11500		ug/L	500.	24-Feb-06	02-Mar-06 12:05	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	91800		ug/L	500.	24-Feb-06	02-Mar-06 12:05	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-12

Client: CRA

Project: GL ERWIN TANK BATTERY

Site: None

Lab ID: 20432109

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	69746	1	415000		ug/L	500.	24-Feb-06	02-Mar-06 12:09	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	135000		ug/L	500.	24-Feb-06	02-Mar-06 12:09	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	14900		ug/L	500.	24-Feb-06	02-Mar-06 12:09	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	129000		ug/L	500.	24-Feb-06	02-Mar-06 12:09	KJR (1)

4 parameter(s) reported

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DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-10

Client: CRA

Project: GL ERWIN TANK BATTERY

Site: None

Lab ID: 20432110

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting		Prep.	Analysis	Reg. Limit
							Limit				
Calcium, Dissolved	EPA 6010	69746	1	520000		ug/L	500.		24-Feb-06	02-Mar-06 12:14	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	158000		ug/L	500.		24-Feb-06	02-Mar-06 12:14	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	13800		ug/L	500.		24-Feb-06	02-Mar-06 12:14	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	180000		ug/L	500.		24-Feb-06	02-Mar-06 12:14	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-8

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432111

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	69746	1	55100		ug/L	500.	24-Feb-06	02-Mar-06 12:18	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	18000		ug/L	500.	24-Feb-06	02-Mar-06 12:18	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	8050		ug/L	500.	24-Feb-06	02-Mar-06 12:18	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	390000		ug/L	500.	24-Feb-06	02-Mar-06 12:18	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-7

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432112

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	69746	1	30600		ug/L	500.	24-Feb-06	02-Mar-06 12:23	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	9980		ug/L	500.	24-Feb-06	02-Mar-06 12:23	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	4890		ug/L	500.	24-Feb-06	02-Mar-06 12:23	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	227000		ug/L	500.	24-Feb-06	02-Mar-06 12:23	KJR (1)

4 parameter(s) reported

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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-6

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432113

Project No.: 2057796

Description: None

Matrix: Water

% Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	69746	1	23900		ug/L	500.	24-Feb-06	02-Mar-06 12:36	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	7410		ug/L	500.	24-Feb-06	02-Mar-06 12:36	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	10900		ug/L	500.	24-Feb-06	02-Mar-06 12:36	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	380000		ug/L	500.	24-Feb-06	02-Mar-06 12:36	KJR (1)

4 parameter(s) reported

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New Orleans Laboratory Certifications
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Kansas Dept. of Health Environment - E-10266
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-5

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432114

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	69746	1	222000		ug/L	500.	24-Feb-06	02-Mar-06 12:40	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	69400		ug/L	500.	24-Feb-06	02-Mar-06 12:40	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	14000		ug/L	500.	24-Feb-06	02-Mar-06 12:40	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	274000		ug/L	500.	24-Feb-06	02-Mar-06 12:40	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

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New Orleans Laboratory Certifications
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LELAP # 02006

Pace Analytical[®]
New Orleans Laboratory

Client ID: MW-3

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432115

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	69746	1	46800		ug/L	500.	24-Feb-06	02-Mar-06 12:44	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	15300		ug/L	500.	24-Feb-06	02-Mar-06 12:44	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	15100		ug/L	500.	24-Feb-06	02-Mar-06 12:44	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	446000		ug/L	500.	24-Feb-06	02-Mar-06 12:44	KJR (1)

4 parameter(s) reported

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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

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(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-2

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432116

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	69746	1	19500		ug/L	500.	24-Feb-06	02-Mar-06 12:48	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	5840		ug/L	500.	24-Feb-06	02-Mar-06 12:48	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	6150		ug/L	500.	24-Feb-06	02-Mar-06 12:48	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	259000		ug/L	500.	24-Feb-06	02-Mar-06 12:48	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-1

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432117

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	69746	1	55900		ug/L	500.	24-Feb-06	02-Mar-06 12:52	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	18700		ug/L	500.	24-Feb-06	02-Mar-06 12:52	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	5190		ug/L	500.	24-Feb-06	02-Mar-06 12:52	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	104000		ug/L	500.	24-Feb-06	02-Mar-06 12:52	KJR (1)

4 parameter(s) reported

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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

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(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: DUP-1

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432118

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	69746	1	916000		ug/L	500.	24-Feb-06	02-Mar-06 12:56	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	253000		ug/L	500.	24-Feb-06	02-Mar-06 12:56	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	34000		ug/L	500.	24-Feb-06	02-Mar-06 12:56	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	884000		ug/L	500.	24-Feb-06	02-Mar-06 12:56	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
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 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitability.
 Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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 Louisiana Dept. of Health and Hospitals / Drinking Water - LA050004
 Florida Dept. of Health (NELAC) - E87595
 Kansas Dept. of Health Environment - E-10266
 U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: DUP-2

Client: CRA

Project: GL ERWIN TANK BATTERY

Site: None

Lab ID: 20432119

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	69746	1	57900		ug/L	500.	24-Feb-06	02-Mar-06 13:00	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	20000		ug/L	500.	24-Feb-06	02-Mar-06 13:00	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	5230		ug/L	500.	24-Feb-06	02-Mar-06 13:00	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	102000		ug/L	500.	24-Feb-06	02-Mar-06 13:00	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

3/3/2006 07:06:58

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - LA050004
Louisiana Dept. of Health and Hospitals / Drinking Water - LA050004
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-9

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432120

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/23/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	69746	1	2050000		ug/L	500.	24-Feb-06	02-Mar-06 13:04	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	438000		ug/L	500.	24-Feb-06	02-Mar-06 13:04	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	47800		ug/L	500.	24-Feb-06	02-Mar-06 13:04	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	1450000		ug/L	500.	24-Feb-06	02-Mar-06 13:04	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-4

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432121

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/23/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Reg. Limit
Calcium, Dissolved	EPA 6010	69746	1	1510000		ug/L	500.	24-Feb-06	02-Mar-06 13:08	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	326000		ug/L	500.	24-Feb-06	02-Mar-06 13:08	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	141000		ug/L	500.	24-Feb-06	02-Mar-06 13:08	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	1070000		ug/L	500.	24-Feb-06	02-Mar-06 13:08	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-WEST

Client: CRA

Project: GL ERWIN TANK BATTERY

Site: None

Lab ID: 20432122

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/23/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting		Prep.	Analysis	Reg. Limit
							Limit				
Calcium, Dissolved	EPA 6010	69746	1	149000		ug/L	500.		24-Feb-06	02-Mar-06 11:20	KJR (1)
Magnesium, Dissolved	EPA 6010	69746	1	44300		ug/L	500.		24-Feb-06	02-Mar-06 11:20	KJR (1)
Potassium, Dissolved	EPA 6010	69746	1	47100		ug/L	500.		24-Feb-06	02-Mar-06 11:20	KJR (1)
Sodium, Dissolved	EPA 6010	69746	1	257000		ug/L	500.		24-Feb-06	02-Mar-06 11:20	KJR (1)

4 parameter(s) reported

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Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-SW

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432123

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/23/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	69747	1	373000		ug/L	500.	24-Feb-06	02-Mar-06 13:47	KJR (1)
Magnesium, Dissolved	EPA 6010	69747	1	108000		ug/L	500.	24-Feb-06	02-Mar-06 13:47	KJR (1)
Potassium, Dissolved	EPA 6010	69747	1	77100		ug/L	500.	24-Feb-06	02-Mar-06 13:47	KJR (1)
Sodium, Dissolved	EPA 6010	69747	1	896000		ug/L	500.	24-Feb-06	02-Mar-06 13:47	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: RW-1

Client: CRA

Project: GL ERWIN TANK BATTERY

Site: None

Lab ID: 20432124

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/23/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Reg. Limit
Calcium, Dissolved	EPA 6010	69747	1	234000		ug/L	500.	24-Feb-06	02-Mar-06 13:30	KJR (1)
Magnesium, Dissolved	EPA 6010	69747	1	67600		ug/L	500.	24-Feb-06	02-Mar-06 13:30	KJR (1)
Potassium, Dissolved	EPA 6010	69747	1	70400		ug/L	500.	24-Feb-06	02-Mar-06 13:30	KJR (1)
Sodium, Dissolved	EPA 6010	69747	1	762000		ug/L	500.	24-Feb-06	02-Mar-06 13:30	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-20

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432103

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Total Dissolved Solids	SM 2540C	69740	1	3000		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
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3/3/2006 07:06:58

New Orleans Laboratory Certifications
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Louisiana Dept. of Health and Hospitals / Drinking Water - LA050004
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Report of Laboratory Analysis

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-19

Client: CRA

Project: GL ERWIN TANK BATTERY

Site: None

Lab ID: 20432104

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Reg. Limit
Total Dissolved Solids	SM 2540C	69740	1	8830		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

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(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

3/3/2006 07:06:58

New Orleans Laboratory Certifications

Louisiana Dept. of Environmental Quality (LELAP) - 02006

Arkansas Dept. of Environmental Quality - LA050004

Louisiana Dept. of Health and Hospitals / Drinking Water - LA050004

Florida Dept. of Health (NELAC) - E87595

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-17

Client: CRA

Project: GL ERWIN TANK BATTERY

Site: None

Lab ID: 20432105

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting		Prep.	Analysis	Reg. Limit
							Limit				
Total Dissolved Solids	SM 2540C	69740	1	1810		mg/L	10.0		24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-16

Client: CRA

Project: GL ERWIN TANK BATTERY

Site: None

Lab ID: 20432106

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Reg. Limit
Total Dissolved Solids	SM 2540C	69740	1	1770		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-14

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432107

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Total Dissolved Solids	SM 2540C	69740	1	12100		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

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(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-13

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432108

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Reg. Limit
Total Dissolved Solids	SM 2540C	69740	1	2090		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

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(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-12

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432109

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Total Dissolved Solids	SM 2540C	69740	1	4890		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
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Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-10

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432110

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Total Dissolved Solids	SM 2540C	69740	1	6180		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

3/3/2006 07:06:58

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - LA050004
Louisiana Dept. of Health and Hospitals / Drinking Water - LA050004
Florida Dept. of Health (NELAC) - E87595
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-8

Client: CRA

Project: GL ERWIN TANK BATTERY

Site: None

Lab ID: 20432111

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Total Dissolved Solids	SM 2540C	69740	1	1740		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-7

Client: CRA

Project: GL ERWIN TANK BATTERY

Site: None

Lab ID: 20432112

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Total Dissolved Solids	SM 2540C	69740	1	1120		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-6

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432113

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Total Dissolved Solids	SM 2540C	69740	1	1570		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-5

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432114

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Total Dissolved Solids	SM 2540C	69740	1	2670		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-3

Client: CRA

Project: GL ERWIN TANK BATTERY

Site: None

Lab ID: 20432115

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Total Dissolved Solids	SM 2540C	69740	1	3860		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-2

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432116

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Reg. Limit
Total Dissolved Solids	SM 2540C	69740	1	1150		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
 Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitibility.
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LELAP # 02006



Pace Analytical*
New Orleans Laboratory

Client ID: MW-1

Client: CRA

Project: GL ERWIN TANK BATTERY

Site: None

Lab ID: 20432117

Project No.: 2057796

Description: None

Matrix: Water

% Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Reg. Limit
Total Dissolved Solids	SM 2540C	69740	1	707.		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

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3/3/2006 07:06:59

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: DUP-1

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432118

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Total Dissolved Solids	SM 2540C	69740	1	11600		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

3/3/2006 07:06:59

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: DUP-2

Client: CRA

Project: GL ERWIN TANK BATTERY

Site: None

Lab ID: 20432119

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/22/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting		Prep.	Analysis	Reg. Limit
							Limit				
Total Dissolved Solids	SM 2540C	69740	1	840.		mg/L	10.0		24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitability.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

3/3/2006 07:06:59

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-9

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432120

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/23/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Total Dissolved Solids	SM 2540C	69740	1	24300		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-4

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432121

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/23/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Total Dissolved Solids	SM 2540C	69740	1	17900		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-WEST

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432122

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/23/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Total Dissolved Solids	SM 2540C	69740	1	2390		mg/L	10.0	24-Feb-06	24-Feb-06 13:30	SMS2 (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-SW

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432123

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/23/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Total Dissolved Solids	SM 2540C	69774	1	6300		mg/L	10.0	27-Feb-06	27-Feb-06 15:15	LJL (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: RW-1

Client: CRA

Project: GL. ERWIN TANK BATTERY

Site: None

Lab ID: 20432124

Project No.: 2057796

Description: None

Matrix: Water

%Moisture: n/a

Collected: 02/23/06

Received: 02/24/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Total Dissolved Solids	SM 2540C	69774	1	4680		mg/L	10.0	27-Feb-06	27-Feb-06 15:15	LJL (1)

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
 Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitibility.
 Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
 Louisiana Dept. of Environmental Quality (LELAP) - 02006
 Arkansas Dept. of Environmental Quality - LA050004
 Louisiana Dept. of Health and Hospitals / Drinking Water - LA050004
 Florida Dept. of Health (NELAC) - E87595
 Kansas Dept. of Health Environment - E-10266
 U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

3/3/2006 07:06:59

Report of Quality Control

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006



Project No.: 2057796

Parameter	Batch	Blank	ARL	Units	LCS	LCS LCSD	LCS	MS	MS MSD	(1)MS DUP	QC Limits		RPD	Qu
					Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS
Calcium, Diss	69746	ND	500.	ug/L	10000	90		10000	56 *	74 *	1	73 - 115	75 - 125	20
Magnesium, D	69746	ND	500.	ug/L	10000	91		10000	67 *	56 *	2	73 - 116	75 - 125	20
Potassium, Dis	69746	ND	500.	ug/L	10000	92		10000	82	89	1	73 - 114	75 - 125	20
Sodium, Disso	69746	560.	500.	ug/L	10000	91		10000	33 *	55 *	1	64 - 122	75 - 125	20
Calcium, Diss	69747	ND	500.	ug/L	10000	88		10000	0 *	12 *	3	73 - 115	75 - 125	20
Magnesium, D	69747	ND	500.	ug/L	10000	89		10000	62 *	42 *	3	73 - 116	75 - 125	20
Potassium, Dis	69747	ND	500.	ug/L	10000	95		10000	69 *	89	3	73 - 114	75 - 125	20
Sodium, Disso	69747	2300	500.	ug/L	10000	110		10000	0 *	0 *	2	64 - 122	75 - 125	20

3/3/2006 07:06:59

ARL denotes Adjusted Reporting Limit, corrected for sample size, dilution and moisture content as applicable.

* denotes recovery outside of QC limits.

(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

New Orleans Laboratory Certifications
 Louisiana Dept. of Environmental Quality (LELAP) - 02006
 Arkansas Dept. of Environmental Quality - LA050004
 Louisiana Dept. of Health and Hospitals / Drinking Water - LA050004
 Florida Dept. of Health (NELAC) - E87595
 Kansas Dept. of Health Environment - E-10266
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Report of Quality Control

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Wet Chemistry Quality Control Results

Project No.: 2057796

Parameter	Batch	Blank	ARL	Units	LCS	LCS	LCSD	LCS	MS	MS	MSD	(1)MS	DUP	QC Limits		RPD	Qu
					Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD	Max	
Total Dissolve	69774	ND	10.0	mg/L	100	102							5	80 - 120	-	20	
Total Dissolve	69740	ND	10.0	mg/L	100	110							0	80 - 120	-	20	

3/3/2006 07:07:00

ARL denotes Adjusted Reporting Limit, corrected for sample size, dilution and moisture content as applicable.

* denotes recovery outside of QC limits.

(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - LA050004
Louisiana Dept. of Health and Hospitals / Drinking Water - LA050004
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270





1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 869289

Client: PACE ANALYTICAL SERVICES, INC.

Lab Contact: Brian Basten

Project Name: G.L. ERWIN TANK BATTERY

Project Number: 2057796

Lab Sample Number	Field ID	Matrix	Collection Date
869289-001	MW20 20432156	WATER	02/22/06 10:09
869289-002	MW19 20432157	WATER	02/22/06 11:30
869289-003	MW17 20432158	WATER	02/22/06 11:59
869289-004	MW16 20432159	WATER	02/22/06 12:10
869289-005	MW14 20432160	WATER	02/22/06 11:05
869289-006	MW13 20432161	WATER	02/22/06 11:41
869289-007	MW12 20432162	WATER	02/22/06 10:34
869289-008	MW10 20432163	WATER	02/22/06 12:39
869289-009	MW8 20432164	WATER	02/22/06 12:24
869289-010	MW7 20432165	WATER	02/22/06 12:57
869289-011	MW6 20432166	WATER	02/22/06 13:54
869289-012	MW5 20432167	WATER	02/22/06 14:25
869289-013	MW3 20432168	WATER	02/22/06 14:00
869289-014	MW2 20432169	WATER	02/22/06 13:13
869289-015	MW1 20432170	WATER	02/22/06 13:38
869289-016	DUP1 20432171	WATER	02/22/06
869289-017	DUP2 20432172	WATER	02/22/06

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.


Approval Signature

3-3-06
Date

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : G.L. ERWIN TANK BATTERY
Project Number : 2057796
Field ID : MW20 20432156

Matrix Type : WATER
Collection Date : 02/22/06
Report Date : 03/03/06
Lab Sample Number : 869289-001

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	110	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Chloride	1100	100	20	mg/L		02/23/06	EPA 300.0	EPA 300.0
Fluoride	0.98	0.50	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	5.5	0.40	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Sulfate	83	20	5	mg/L		02/23/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : G.L. ERWIN TANK BATTERY
Project Number : 2057796
Field ID : MW19 20432157

Matrix Type : WATER
Collection Date : 02/22/06
Report Date : 03/03/06
Lab Sample Number : 869289-002

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	75	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Chloride	3900	500	100	mg/L		02/23/06	EPA 300.0	EPA 300.0
Fluoride	< 0.50	0.50	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	8.9	2.0	5	mg/L		02/23/06	EPA 300.0	EPA 300.0
Sulfate	400	40	10	mg/L		02/23/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : G.L. ERWIN TANK BATTERY
Project Number : 2057796
Field ID : MW17 20432158

Matrix Type : WATER
Collection Date : 02/22/06
Report Date : 03/03/06
Lab Sample Number : 869289-003

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	150	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Chloride	580	50	10	mg/L		02/23/06	EPA 300.0	EPA 300.0
Fluoride	1.5	0.50	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	4.0	0.40	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Sulfate	97	20	5	mg/L		02/23/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : G.L. ERWIN TANK BATTERY
Project Number : 2057796
Field ID : MW16 20432159

Matrix Type : WATER
Collection Date : 02/22/06
Report Date : 03/03/06
Lab Sample Number : 869289-004

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	180	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Chloride	590	50	10	mg/L		02/23/06	EPA 300.0	EPA 300.0
Fluoride	1.3	0.50	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	5.2	0.40	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Sulfate	110	20	5	mg/L		02/23/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : G.L. ERWIN TANK BATTERY
Project Number : 2057796
Field ID : MW14 20432160

Matrix Type : WATER
Collection Date : 02/22/06
Report Date : 03/03/06
Lab Sample Number : 869289-005

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	81	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Chloride	5300	500	100	mg/L		02/23/06	EPA 300.0	EPA 300.0
Fluoride	< 0.50	0.50	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	11	2.0	5	mg/L		02/23/06	EPA 300.0	EPA 300.0
Sulfate	700	80	20	mg/L		02/23/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : G.L. ERWIN TANK BATTERY
Project Number : 2057796
Field ID : MW13 20432161

Matrix Type : WATER
Collection Date : 02/22/06
Report Date : 03/03/06
Lab Sample Number : 869289-006

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	89	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Chloride	590	50	10	mg/L		02/23/06	EPA 300.0	EPA 300.0
Fluoride	1.7	0.50	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	4.8	0.40	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Sulfate	120	20	5	mg/L		02/23/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : G.L. ERWIN TANK BATTERY

Project Number : 2057796

Field ID : MW12 20432162

Matrix Type : WATER

Collection Date : 02/22/06

Report Date : 03/03/06

Lab Sample Number : 869289-007

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	73	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Chloride	1700	120	25	mg/L		02/23/06	EPA 300.0	EPA 300.0
Fluoride	0.70	0.50	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	6.7	0.40	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Sulfate	48	4.0	1	mg/L		02/23/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : G.L. ERWIN TANK BATTERY
Project Number : 2057796
Field ID : MW10 20432163

Matrix Type : WATER
Collection Date : 02/22/06
Report Date : 03/03/06
Lab Sample Number : 869289-008

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	89	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Chloride	2000	250	50	mg/L		02/23/06	EPA 300.0	EPA 300.0
Fluoride	< 0.50	0.50	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	6.5	0.40	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Sulfate	98	20	5	mg/L		02/23/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : G.L. ERWIN TANK BATTERY

Project Number : 2057796

Field ID : MW8 20432184

Matrix Type : WATER

Collection Date : 02/22/06

Report Date : 03/03/06

Lab Sample Number : 869289-009

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	230	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Chloride	810	100	20	mg/L		02/23/06	EPA 300.0	EPA 300.0
Fluoride	2.4	0.50	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	7.9	0.40	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Sulfate	170	20	5	mg/L		02/23/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : G.L. ERWIN TANK BATTERY
Project Number : 2057796
Field ID : MW7 20432165

Matrix Type : WATER
Collection Date : 02/22/06
Report Date : 03/03/06
Lab Sample Number : 869289-010

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	290	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Chloride	240	25	5	mg/L		02/23/06	EPA 300.0	EPA 300.0
Fluoride	2.6	0.50	1	mg/L	N	02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	3.3	0.40	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Sulfate	120	20	5	mg/L		02/23/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : G.L. ERWIN TANK BATTERY

Project Number : 2057796

Field ID : MW6 20432166

Matrix Type : WATER

Collection Date : 02/22/06

Report Date : 03/03/06

Lab Sample Number : 869289-011

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	270	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Chloride	610	50	10	mg/L		02/23/06	EPA 300.0	EPA 300.0
Fluoride	2.4	0.50	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	7.9	0.40	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Sulfate	180	40	10	mg/L		02/23/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : G.L. ERWIN TANK BATTERY

Project Number : 2057796

Field ID : MW5 20432167

Matrix Type : WATER

Collection Date : 02/22/06

Report Date : 03/03/06

Lab Sample Number : 869289-012

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	220	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Chloride	800	50	10	mg/L		02/23/06	EPA 300.0	EPA 300.0
Fluoride	1.3	0.50	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	6.6	0.40	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Sulfate	160	20	5	mg/L		02/23/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : G.L. ERWIN TANK BATTERY
Project Number : 2057796
Field ID : MW3 20432168

Matrix Type : WATER
Collection Date : 02/22/06
Report Date : 03/03/06
Lab Sample Number : 869289-013

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	250	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Chloride	1100	100	20	mg/L		02/24/06	EPA 300.0	EPA 300.0
Fluoride	1.6	0.50	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	8.5	2.0	5	mg/L		02/24/06	EPA 300.0	EPA 300.0
Sulfate	190	20	5	mg/L		02/24/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : G.L. ERWIN TANK BATTERY
Project Number : 2057796
Field ID : MW2 20432169

Matrix Type : WATER
Collection Date : 02/22/06
Report Date : 03/03/06
Lab Sample Number : 869289-014

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	250	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Chloride	320	25	5	mg/L		02/24/06	EPA 300.0	EPA 300.0
Fluoride	1.7	0.50	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	5.1	0.40	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Sulfate	150	20	5	mg/L		02/24/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : G.L. ERWIN TANK BATTERY

Project Number : 2057796

Field ID : MW1 20432170

Matrix Type : WATER

Collection Date : 02/22/06

Report Date : 03/03/06

Lab Sample Number : 869289-015

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	160	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Chloride	180	25	5	mg/L		02/24/06	EPA 300.0	EPA 300.0
Fluoride	1.6	0.50	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	3.5	0.40	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Sulfate	83	20	5	mg/L		02/24/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : G.L. ERWIN TANK BATTERY
Project Number : 2057796
Field ID : DUP1 20432171

Matrix Type : WATER
Collection Date : 02/22/06
Report Date : 03/03/06
Lab Sample Number : 869289-016

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	82	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Chloride	5000	500	100	mg/L		02/24/06	EPA 300.0	EPA 300.0
Fluoride	< 0.50	0.50	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	< 40	40	100	mg/L		02/24/06	EPA 300.0	EPA 300.0
Sulfate	690	80	20	mg/L		02/24/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869289

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : G.L. ERWIN TANK BATTERY
Project Number : 2057796
Field ID : DUP2 20432172

Matrix Type : WATER
Collection Date : 02/22/06
Report Date : 03/03/06
Lab Sample Number : 869289-017

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	170	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Chloride	160	25	5	mg/L		02/24/06	EPA 300.0	EPA 300.0
Fluoride	1.6	0.50	1	mg/L	N	02/23/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	3.5	0.40	1	mg/L		02/23/06	EPA 300.0	EPA 300.0
Sulfate	85	20	5	mg/L		02/24/06	EPA 300.0	EPA 300.0

Qualifier Codes

Flag Applies To Explanation

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level; therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Test Group Name	869289-001	869289-002	869289-003	869289-004	869289-005	869289-006	869289-007	869289-008	869289-009	869289-010	869289-011	869289-012	869289-013	869289-014	869289-015	869289-016	869289-017
ALKALINITY HYDROXIDE	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
ALKALINITY, BICARB/CARB	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
CHLORIDE	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
FLUORIDE	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
NITROGEN, NITRATE	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
SULFATE	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B

Code	Facility	Address	TX Certification
B	Green Bay Lab (Bellevue St)	1241 Bellevue Street, Suite 9 Green Bay, WI 54302	Not Certified



1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 869328

Client: PACE ANALYTICAL SERVICES, INC.

Lab Contact: Brian Basten

Project Name: GL ERWIN TANK BATTERY

Project Number: 2057796

Lab Sample Number	Field ID	Matrix	Collection Date
869328-001	MW 9 20432321	WATER	02/23/06 11:05
869328-002	MW 4 20432322	WATER	02/23/06 11:30
869328-003	MW WEST 20432323	WATER	02/23/06 11:50
869328-004	MW SW 20432324	WATER	02/23/06 14:33
869328-005	RW 1 20432325	WATER	02/23/06 11:50

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.


Approval Signature

3-3-06
Date

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869328

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : GL ERWIN TANK BATTERY
Project Number : 2057796
Field ID : MW 9 20432321

Matrix Type : WATER
Collection Date : 02/23/06
Report Date : 03/03/06
Lab Sample Number : 869328-001

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	110	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Chloride	13000	1000	200	mg/L		02/27/06	EPA 300.0	EPA 300.0
Fluoride	< 2.5	2.5	5	mg/L		02/24/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	19	2.0	5	mg/L		02/24/06	EPA 300.0	EPA 300.0
Sulfate	430	40	10	mg/L		02/27/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869328

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : GL ERWIN TANK BATTERY

Project Number : 2057796

Field ID : MW 4 20432322

Matrix Type : WATER

Collection Date : 02/23/06

Report Date : 03/03/06

Lab Sample Number : 869328-002

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	130	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Chloride	9100	500	100	mg/L		02/24/06	EPA 300.0	EPA 300.0
Fluoride	< 2.5	2.5	5	mg/L		02/24/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	10	2.0	5	mg/L		02/24/06	EPA 300.0	EPA 300.0
Sulfate	220	20	5	mg/L		02/24/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869328

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : GL ERWIN TANK BATTERY
Project Number : 2057796
Field ID : MW WEST 20432323

Matrix Type : WATER
Collection Date : 02/23/06
Report Date : 03/03/06
Lab Sample Number : 869328-003

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	150	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Chloride	800	50	10	mg/L		02/24/06	EPA 300.0	EPA 300.0
Fluoride	0.76	0.50	1	mg/L		02/24/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	4.0	0.40	1	mg/L		02/24/06	EPA 300.0	EPA 300.0
Sulfate	110	40	10	mg/L		02/24/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869328

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : GL ERWIN TANK BATTERY
Project Number : 2057796
Field ID : MW SW 20432324

Matrix Type : WATER
Collection Date : 02/23/06
Report Date : 03/03/06
Lab Sample Number : 869328-004

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	300	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Chloride	3000	250	50	mg/L		02/24/06	EPA 300.0	EPA 300.0
Fluoride	< 2.5	2.5	5	mg/L		02/24/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	11	2.0	5	mg/L		02/24/06	EPA 300.0	EPA 300.0
Sulfate	450	40	10	mg/L		02/24/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 869328

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : GL ERWIN TANK BATTERY
Project Number : 2057796
Field ID : RW 1 20432325

Matrix Type : WATER
Collection Date : 02/23/06
Report Date : 03/03/06
Lab Sample Number : 869328-005

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Alkalinity Hydroxide	< 10	10	1	mg/L		02/27/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	290	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		02/28/06	SM 2320B	SM 2320B
Chloride	2400	250	50	mg/L		02/24/06	EPA 300.0	EPA 300.0
Fluoride	< 2.5	2.5	5	mg/L		02/24/06	EPA 300.0	EPA 300.0
Nitrogen, Nitrate	8.9	2.0	5	mg/L		02/24/06	EPA 300.0	EPA 300.0
Sulfate	350	20	5	mg/L		02/24/06	EPA 300.0	EPA 300.0

Qualifier Codes

Flag Applies To Explanation

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level; therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Test Group Name	869328-001	869328-002	869328-003	869328-004	869328-005
ALKALINITY HYDROXIDE	B	B	B	B	B
ALKALINITY, BICARB/CARB	B	B	B	B	B
CHLORIDE	B	B	B	B	B
FLUORIDE	B	B	B	B	B
NITROGEN, NITRATE	B	B	B	B	B
SULFATE	B	B	B	B	B

Code	Facility	Address	TX Certification
B	Green Bay Lab (Bellevue St)	1241 Bellevue Street, Suite 9 Green Bay, WI 54302	Not Certified





Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

September 14, 2006

James Ornelas
CRA
2135 S. Loop 250 West
Midland, TX 79701

RE: Project: 2062234
RE: Project ID: CEMC GL. ERWIN/039124

Dear James Ornelas:

Enclosed are the analytical results for sample(s) received by the laboratory on August 26, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Cindy Olavesen



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006



Report of Laboratory Analysis

Project Number: 2062234



Sample Cross Reference Report

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

 Pace Analytical*
New Orleans Laboratory

Client: CRA

Project: CEMC GL. ERWIN/039124

Project No.: 2062234

Sample ID	Lab ID	Matrix	Collection Date/Time		Received Date/Time	
MW-182406	20468454	Water	08/24/2006	15:55	08/26/2006	08:30
MW-282406	20468455	Water	08/24/2006	16:00	08/26/2006	08:30
MW-382406	20468456	Water	08/24/2006	16:45	08/26/2006	08:30
MW-482506	20468457	Water	08/25/2006	11:10	08/26/2006	08:30
MW-582406	20468458	Water	08/24/2006	16:55	08/26/2006	08:30
MW-682406	20468459	Water	08/24/2006	14:35	08/26/2006	08:30
MW-782406	20468460	Water	08/24/2006	15:05	08/26/2006	08:30
MW-882406	20468461	Water	08/24/2006	14:30	08/26/2006	08:30
MW-982506	20468462	Water	08/25/2006	10:30	08/26/2006	08:30
MW-1082507	20468463	Water	08/25/2006	12:45	08/26/2006	08:30
MW-1282406	20468464	Water	08/24/2006	13:10	08/26/2006	08:30
MW-1382406	20468465	Water	08/24/2006	15:10	08/26/2006	08:30
MW-1482406	20468466	Water	08/24/2006	13:20	08/26/2006	08:30
MW-1682406	20468467	Water	08/24/2006	13:45	08/26/2006	08:30
MW-1782406	20468468	Water	08/24/2006	13:50	08/26/2006	08:30
MW-1982406	20468469	Water	08/24/2006	12:20	08/26/2006	08:30
MW-2082406	20468470	Water	08/24/2006	12:35	08/26/2006	08:30
WMW82506	20468471	Water	08/25/2006	10:15	08/26/2006	08:30
SW82506	20468472	Water	08/25/2006	11:15	08/26/2006	08:30
RW-182506	20468473	Water	08/25/2006	12:30	08/26/2006	08:30
DUP182406	20468474	Water	08/24/2006		08/26/2006	08:30
DUP282506	20468476	Water	08/25/2006		08/26/2006	08:30

9/14/2006 14:24:17

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006



Client ID: MW-182406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468454

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	76457	1	57.4		mg/L	0.500	05-Sep-06	07-Sep-06 16:07	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	19.3		mg/L	0.500	05-Sep-06	07-Sep-06 16:07	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	4.36		mg/L	0.500	05-Sep-06	07-Sep-06 16:07	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	107.		mg/L	0.500	05-Sep-06	07-Sep-06 16:07	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
 Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitibility.
 Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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New Orleans Laboratory Certifications
 Louisiana Dept. of Environmental Quality (LELAP) - 02006
 Arkansas Dept. of Environmental Quality - 88-0681
 Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
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 Kansas Dept. of Health Environment - E-10266
 U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-282406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468455

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	76457	1	26.3		mg/L	0.500	05-Sep-06	07-Sep-06 16:25	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	7.70		mg/L	0.500	05-Sep-06	07-Sep-06 16:25	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	4.23		mg/L	0.500	05-Sep-06	07-Sep-06 16:25	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	298.		mg/L	0.500	05-Sep-06	07-Sep-06 16:25	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-382406

Client: CRA

Project: CEMC GL ERWIN/039124

Site: None

Lab ID: 20468456

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	76457	1	25.3		mg/L	0.500	05-Sep-06	07-Sep-06 16:29	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	7.68		mg/L	0.500	05-Sep-06	07-Sep-06 16:29	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	11.9		mg/L	0.500	05-Sep-06	07-Sep-06 16:29	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	565.		mg/L	0.500	05-Sep-06	07-Sep-06 16:29	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-482506

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468457

Project No.: 2062234

Description: None

Matrix: Water

% Moisture: n/a

Collected: 08/25/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting		Prep.	Analysis	Reg. Limit
							Limit				
Calcium, Dissolved	EPA 6010	76457	1	1550		mg/L	0.500		05-Sep-06	07-Sep-06 17:41	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	364.		mg/L	0.500		05-Sep-06	07-Sep-06 17:41	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	136.		mg/L	0.500		05-Sep-06	07-Sep-06 17:41	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	1890		mg/L	0.500		05-Sep-06	07-Sep-06 17:41	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-582406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468458

Project No.: 2062234

Description: None

Matrix: Water

% Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	76457	1	145.		mg/L	0.500	05-Sep-06	07-Sep-06 16:33	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	47.6		mg/L	0.500	05-Sep-06	07-Sep-06 16:33	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	13.1		mg/L	0.500	05-Sep-06	07-Sep-06 16:33	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	295.		mg/L	0.500	05-Sep-06	07-Sep-06 16:33	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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 LELAP # 02006

Pace Analytical*
 New Orleans Laboratory

Client ID: MW-682406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468459

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	76457	1	108.		mg/L	0.500	05-Sep-06	07-Sep-06 16:37	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	35.0		mg/L	0.500	05-Sep-06	07-Sep-06 16:37	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	9.38		mg/L	0.500	05-Sep-06	07-Sep-06 16:37	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	448.		mg/L	0.500	05-Sep-06	07-Sep-06 16:37	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-782406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468460

Project No.: 2062234

Description: None

Matrix: Water

% Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Reg. Limit
Calcium, Dissolved	EPA 6010	76457	1	23.3		mg/L	0.500	05-Sep-06	07-Sep-06 16:50	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	7.82		mg/L	0.500	05-Sep-06	07-Sep-06 16:50	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	2.96		mg/L	0.500	05-Sep-06	07-Sep-06 16:50	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	245.		mg/L	0.500	05-Sep-06	07-Sep-06 16:50	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
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New Orleans Laboratory Certifications
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Kansas Dept. of Health Environment - E-10266
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Report of Laboratory Analysis

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 St. Rose, LA 70087
 Phone: 504.469.0333
 Fax: 504.469.0555
 LELAP # 02006

Pace Analytical*
 New Orleans Laboratory

Client ID: MW-882406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468461

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	76457	1	51.2		mg/L	0.500	05-Sep-06	07-Sep-06 16:54	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	16.5		mg/L	0.500	05-Sep-06	07-Sep-06 16:54	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	6.00		mg/L	0.500	05-Sep-06	07-Sep-06 16:54	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	470.		mg/L	0.500	05-Sep-06	07-Sep-06 16:54	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-982506

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468462

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/25/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	76457	1	1330		mg/L	0.500	05-Sep-06	07-Sep-06 17:45	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	360.		mg/L	0.500	05-Sep-06	07-Sep-06 17:45	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	38.3		mg/L	0.500	05-Sep-06	07-Sep-06 17:45	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	1920		mg/L	0.500	05-Sep-06	07-Sep-06 17:45	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-1082507

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468463

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/25/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Reg. Limit
Calcium, Dissolved	EPA 6010	76457	1	660.		mg/L	0.500	05-Sep-06	07-Sep-06 17:49	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	201.		mg/L	0.500	05-Sep-06	07-Sep-06 17:49	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	13.7		mg/L	0.500	05-Sep-06	07-Sep-06 17:49	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	253.		mg/L	0.500	05-Sep-06	07-Sep-06 17:49	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-1282406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468464

Project No.: 2062234

Description: None

Matrix: Water

% Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	76457	1	463.		mg/L	0.500	05-Sep-06	07-Sep-06 16:58	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	157.		mg/L	0.500	05-Sep-06	07-Sep-06 16:58	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	12.2		mg/L	0.500	05-Sep-06	07-Sep-06 16:58	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	140.		mg/L	0.500	05-Sep-06	07-Sep-06 16:58	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

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Pace Analytical*
New Orleans Laboratory

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: MW-1382406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468465

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting		Prep.	Analysis	Reg. Limit
							Limit				
Calcium, Dissolved	EPA 6010	76457	1	228.		mg/L	0.500		05-Sep-06	07-Sep-06 17:02	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	78.7		mg/L	0.500		05-Sep-06	07-Sep-06 17:02	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	10.9		mg/L	0.500		05-Sep-06	07-Sep-06 17:02	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	107.		mg/L	0.500		05-Sep-06	07-Sep-06 17:02	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
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Phone: 504.469.0333

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-1482406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468466

Project No.: 2062234

Description: None

Matrix: Water

% Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	76457	1	942.		mg/L	0.500	05-Sep-06	07-Sep-06 17:06	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	266.		mg/L	0.500	05-Sep-06	07-Sep-06 17:06	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	27.8		mg/L	0.500	05-Sep-06	07-Sep-06 17:06	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	1370		mg/L	0.500	05-Sep-06	07-Sep-06 17:06	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

9/14/2006 14:24:18

Report of Laboratory Analysis

Pace Analytical Services, Inc.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-1682406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468467

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	76457	1	123.		mg/L	0.500	05-Sep-06	07-Sep-06 17:10	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	40.6		mg/L	0.500	05-Sep-06	07-Sep-06 17:10	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	4.93		mg/L	0.500	05-Sep-06	07-Sep-06 17:10	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	207.		mg/L	0.500	05-Sep-06	07-Sep-06 17:10	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-1782406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468468

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	76457	1	140.		mg/L	0.500	05-Sep-06	07-Sep-06 17:15	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	46.1		mg/L	0.500	05-Sep-06	07-Sep-06 17:15	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	5.94		mg/L	0.500	05-Sep-06	07-Sep-06 17:15	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	178.		mg/L	0.500	05-Sep-06	07-Sep-06 17:15	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pff less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-1982406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468469

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	76457	1	902.		mg/L	0.500	05-Sep-06	07-Sep-06 17:19	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	293.		mg/L	0.500	05-Sep-06	07-Sep-06 17:19	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	28.8		mg/L	0.500	05-Sep-06	07-Sep-06 17:19	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	582.		mg/L	0.500	05-Sep-06	07-Sep-06 17:19	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
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(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-2082406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468470

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	76457	1	288.		mg/L	0.500	05-Sep-06	07-Sep-06 17:24	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	101.		mg/L	0.500	05-Sep-06	07-Sep-06 17:24	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	11.2		mg/L	0.500	05-Sep-06	07-Sep-06 17:24	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	160.		mg/L	0.500	05-Sep-06	07-Sep-06 17:24	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: WMW82506

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468471

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/25/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	76457	1	315.		mg/L	0.500	05-Sep-06	07-Sep-06 17:53	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	87.6		mg/L	0.500	05-Sep-06	07-Sep-06 17:53	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	67.7		mg/L	0.500	05-Sep-06	07-Sep-06 17:53	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	400.		mg/L	0.500	05-Sep-06	07-Sep-06 17:53	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: SW82506

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468472

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/25/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	76457	1	415.		mg/L	0.500	05-Sep-06	07-Sep-06 17:57	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	117.		mg/L	0.500	05-Sep-06	07-Sep-06 17:57	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	74.9		mg/L	0.500	05-Sep-06	07-Sep-06 17:57	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	1240		mg/L	0.500	05-Sep-06	07-Sep-06 17:57	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
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New Orleans Laboratory Certifications
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Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: RW-182506

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468473

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/25/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Reg. Limit
Calcium, Dissolved	EPA 6010	76458	1	281.		mg/L	0.500	05-Sep-06	07-Sep-06 18:02	KJR (1)
Magnesium, Dissolved	EPA 6010	76458	1	77.3		mg/L	0.500	05-Sep-06	07-Sep-06 18:02	KJR (1)
Potassium, Dissolved	EPA 6010	76458	1	68.5		mg/L	0.500	05-Sep-06	07-Sep-06 18:02	KJR (1)
Sodium, Dissolved	EPA 6010	76458	1	1040		mg/L	0.500	05-Sep-06	07-Sep-06 18:02	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitability.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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New Orleans Laboratory Certifications
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: DUP182406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468474

Project No.: 2062234

Description: None

Matrix: Water

% Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Calcium, Dissolved	EPA 6010	76457	1	135.		mg/L	0.500	05-Sep-06	07-Sep-06 17:29	KJR (1)
Magnesium, Dissolved	EPA 6010	76457	1	46.5		mg/L	0.500	05-Sep-06	07-Sep-06 17:29	KJR (1)
Potassium, Dissolved	EPA 6010	76457	1	5.76		mg/L	0.500	05-Sep-06	07-Sep-06 17:29	KJR (1)
Sodium, Dissolved	EPA 6010	76457	1	175.		mg/L	0.500	05-Sep-06	07-Sep-06 17:29	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
 Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitibility.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: DUP282506

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468476

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/25/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting		Prep.	Analysis	Reg. Limit
							Limit				
Calcium, Dissolved	EPA 6010	76458	1	272.		mg/L	0.500		05-Sep-06	07-Sep-06 18:06	KJR (1)
Magnesium, Dissolved	EPA 6010	76458	1	77.3		mg/L	0.500		05-Sep-06	07-Sep-06 18:06	KJR (1)
Potassium, Dissolved	EPA 6010	76458	1	67.1		mg/L	0.500		05-Sep-06	07-Sep-06 18:06	KJR (1)
Sodium, Dissolved	EPA 6010	76458	1	1030		mg/L	0.500		05-Sep-06	07-Sep-06 18:06	KJR (1)

4 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitability.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-182406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468454

Project No.: 2062234

Description: None

Matrix: Water

% Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting		Prep.	Analysis	Reg. Limit
							Limit				
Nitrogen, Nitrate	EPA 353.2	76202	5	3.11		mg/L	0.500		29-Aug-06	29-Aug-06 15:09	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	660.		mg/L	10.0		28-Aug-06	28-Aug-06 14:45	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-282406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468455

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	3.78		mg/L	0.500	29-Aug-06	29-Aug-06 15:13	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	1610		mg/L	10.0	28-Aug-06	28-Aug-06 14:45	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
 Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitibility.
 Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
 Louisiana Dept. of Environmental Quality (LELAP) - 02006
 Arkansas Dept. of Environmental Quality - 88-0681
 Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
 Florida Dept. of Health (NELAC) - E87595
 Kansas Dept. of Health Environment - E-10266
 U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

9/14/2006 14:24:18

Report of Laboratory Analysis

Pace Analytical Services, Inc.
 1000 Riverbend Blvd. Suite F
 St. Rose, LA 70087
 Phone: 504.469.0333
 Fax: 504.469.0555
 LELAP # 02006

Pace Analytical*
 New Orleans Laboratory

Client ID: MW-382406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468456

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	6.43		mg/L	0.500	29-Aug-06	29-Aug-06 15:14	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	1990		mg/L	10.0	28-Aug-06	28-Aug-06 14:45	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
 Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitability.
 Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-482506

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468457

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/25/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	6.13		mg/L	0.500	29-Aug-06	29-Aug-06 15:32	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	17500		mg/L	10.0	30-Aug-06	30-Aug-06 16:30	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
 Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitibility.
 Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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Pace Analytical*
 New Orleans Laboratory

Client ID: MW-582406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468458

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	5.09		mg/L	0.500	29-Aug-06	29-Aug-06 15:17	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	1280		mg/L	10.0	28-Aug-06	28-Aug-06 14:45	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
 Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitibility.
 Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-682406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468459

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	5.96		mg/L	0.500	29-Aug-06	29-Aug-06 15:18	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	1880		mg/L	10.0	28-Aug-06	28-Aug-06 14:45	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
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Pace Analytical*
 New Orleans Laboratory

Client ID: MW-782406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468460

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	2.97		mg/L	0.500	29-Aug-06	29-Aug-06 15:20	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	952.		mg/L	10.0	28-Aug-06	28-Aug-06 14:45	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
 Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitibility.
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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-882406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468461

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	5.51		mg/L	0.500	29-Aug-06	29-Aug-06 15:21	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	926.		mg/L	10.0	28-Aug-06	28-Aug-06 14:45	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitability.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-982506

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468462

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/25/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	3.75		mg/L	0.500	29-Aug-06	29-Aug-06 15:33	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	24100		mg/L	10.0	30-Aug-06	30-Aug-06 16:30	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
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Report of Laboratory Analysis

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 1000 Riverbend Blvd. Suite F
 St. Rose, LA 70087
 Phone: 504.469.0333
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 LELAP # 02006

Pace Analytical*
 New Orleans Laboratory

Client ID: MW-1082507

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468463

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/25/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	3.24		mg/L	0.500	29-Aug-06	29-Aug-06 15:34	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	7520		mg/L	10.0	28-Aug-06	28-Aug-06 14:45	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
 Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitability.
 Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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New Orleans Laboratory Certifications
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 LELAP # 02006

Pace Analytical*
 New Orleans Laboratory

Client ID: MW-1282406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468464

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	3.06		mg/L	0.500	29-Aug-06	29-Aug-06 15:22	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	6190		mg/L	10.0	28-Aug-06	28-Aug-06 14:45	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
 Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitibility.
 Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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 LELAP # 02006

Pace Analytical*
 New Orleans Laboratory

Client ID: MW-1382406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468465

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	3.58		mg/L	0.500	29-Aug-06	29-Aug-06 15:23	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	2590		mg/L	10.0	28-Aug-06	28-Aug-06 14:45	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
 Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitibility.
 Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-1482406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468466

Project No.: 2062234

Description: None

Matrix: Water

% Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	3.74		mg/L	0.500	29-Aug-06	29-Aug-06 15:24	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	11300		mg/L	10.0	30-Aug-06	30-Aug-06 16:30	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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Pace Analytical*
 New Orleans Laboratory

Client ID: MW-1682406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468467

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	3.17		mg/L	0.500	29-Aug-06	29-Aug-06 15:25	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	1460		mg/L	10.0	28-Aug-06	28-Aug-06 14:45	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
 Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitibility.
 Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-1782406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468468

Project No.: 2062234

Description: None

Matrix: Water

% Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	3.06		mg/L	0.500	29-Aug-06	29-Aug-06 15:26	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	1700		mg/L	10.0	28-Aug-06	28-Aug-06 14:45	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
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Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

9/14/2006 14:24:19

Report of Laboratory Analysis

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: MW-1982406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468469

Project No.: 2062234

Description: None

Matrix: Water

% Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	3.01		mg/L	0.500	29-Aug-06	29-Aug-06 15:27	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	10900		mg/L	10.0	28-Aug-06	28-Aug-06 14:45	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

9/14/2006 14:24:19
New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006

Pace Analytical*

New Orleans Laboratory

Client ID: MW-2082406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468470

Project No.: 2062234

Description: None

Matrix: Water

% Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	3.39		mg/L	0.500	29-Aug-06	29-Aug-06 15:30	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	3590		mg/L	10.0	28-Aug-06	28-Aug-06 14:45	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.

Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

9/14/2006 14:24:19
New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
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Report of Laboratory Analysis

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: WMW82506

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468471

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/25/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	2.78		mg/L	0.500	29-Aug-06	29-Aug-06 15:35	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	4840		mg/L	10.0	28-Aug-06	28-Aug-06 14:45	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

9/14/2006 14:24:19
New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 89-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Client ID: SW82506

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468472

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/25/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	5.99		mg/L	0.500	29-Aug-06	29-Aug-06 15:36	TAE (1)
Total Dissolved Solids	SM 2540C	76230	1	7600		mg/L	10.0	28-Aug-06	28-Aug-06 15:50	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

9/14/2006 14:24:19
New Orleans Laboratory Certifications
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Arkansas Dept. of Environmental Quality - 89-0681
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Report of Laboratory Analysis

Pace Analytical Services, Inc.
 1000 Riverbend Blvd. Suite F
 St. Rose, LA 70087
 Phone: 504.469.0333
 Fax: 504.469.0555
 LELAP # 02006

Pace Analytical*
 New Orleans Laboratory

Client ID: RW-182506

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468473

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/25/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76161	5	4.41	N	mg/L	0.500	29-Aug-06	29-Aug-06 15:05	TAE (1)
Total Dissolved Solids	SM 2540C	76230	1	5610		mg/L	10.0	28-Aug-06	28-Aug-06 15:50	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
 Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitability.
 Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
 Louisiana Dept. of Environmental Quality (LELAP) - 02006
 Arkansas Dept. of Environmental Quality - 88-0681
 Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
 Florida Dept. of Health (NELAC) - E87595
 Kansas Dept. of Health Environment - E-10266
 U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

9/14/2006 14:24:19

Report of Laboratory Analysis

Pace Analytical Services, Inc.
 1000 Riverbend Blvd. Suite F
 St. Rose, LA 70087
 Phone: 504.469.0333
 Fax: 504.469.0555
 LELAP # 02006

Pace Analytical*
 New Orleans Laboratory

Client ID: DUP182406

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468474

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/24/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76202	5	2.94		mg/L	0.500	29-Aug-06	29-Aug-06 15:31	TAE (1)
Total Dissolved Solids	SM 2540C	76201	1	1700		mg/L	10.0	28-Aug-06	28-Aug-06 14:45	TAE (1)
2 parameter(s) reported										

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
 Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitability.
 Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

9/14/2006 14:24:19
New Orleans Laboratory Certifications
 Louisiana Dept. of Environmental Quality (LELAP) - 02006
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 Kansas Dept. of Health Environment - E-10266
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Report of Laboratory Analysis

Pace Analytical Services, Inc.
 1000 Riverbend Blvd. Suite F
 St. Rose, LA 70087
 Phone: 504.469.0333
 Fax: 504.469.0555
 LELAP # 02006

Pace Analytical*
 New Orleans Laboratory

Client ID: DUP282506

Client: CRA

Project: CEMC GL. ERWIN/039124

Site: None

Lab ID: 20468476

Project No.: 2062234

Description: None

Matrix: Water

%Moisture: n/a

Collected: 08/25/06

Received: 08/26/06

ParameterName	Method	Batch	DF	Result	Qu	Reporting		Prep.	Analysis	Reg. Limit
						Units	Limit			
Nitrogen, Nitrate	EPA 353.2	76161	5	4.60	N	mg/L	0.500	29-Aug-06	29-Aug-06 15:06	TAE (1)
Total Dissolved Solids	SM 2540C	76230	1	5570		mg/L	10.0	28-Aug-06	28-Aug-06 15:50	TAE (1)

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
 DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
 Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
 Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
 For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
 (1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
 (1b) Flash point less than 140 degrees F is hazardous for ignitibility.
 Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

9/14/2006 14:24:19
New Orleans Laboratory Certifications
 Louisiana Dept. of Environmental Quality (LELAP) - 02006
 Arkansas Dept. of Environmental Quality - 88-0681
 Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
 Florida Dept. of Health (NELAC) - E87595
 Kansas Dept. of Health Environment - E-10266
 U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Quality Control

Pace Analytical Services, Inc.
 1000 Riverbend Blvd. Suite F
 St. Rose, LA 70087
 Phone: 504.469.0333
 Fax: 504.469.0555
 LELAP # 02006

Pace Analytical*
 New Orleans Laboratory

Project No.: 2062234

Parameter	Batch	Blank	ARL	Units	LCS	LCS LCS	LCS	MS	MS MSD	(1)MS DUP	QC Limits		RPD	Qu	
					Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD
Calcium, Diss	76457	ND	0.500	mg/L	10	99		10	84	68 *	2	73 - 115	75 - 125	20	
Magnesium, D	76457	ND	0.500	mg/L	10	99		10	79	84	2	73 - 116	75 - 125	20	
Potassium, Dis	76457	ND	0.500	mg/L	10	100		10	93	92	1	73 - 114	75 - 125	20	
Sodium, Disso	76457	ND	0.500	mg/L	10	100		10	70 *	46 *	2	64 - 122	75 - 125	20	Q3
Calcium, Diss	76458	ND	0.500	mg/L	10	96		10	78	86	4	73 - 115	75 - 125	20	
Magnesium, D	76458	ND	0.500	mg/L	10	96		10	82	90	7	73 - 116	75 - 125	20	
Potassium, Dis	76458	ND	0.500	mg/L	10	97		10	73 *	75	1	73 - 114	75 - 125	20	Q1
Sodium, Disso	76458	ND	0.500	mg/L	10	98		10	83	89	6	64 - 122	75 - 125	20	

9/14/2006 14:24:19

ARL denotes Adjusted Reporting Limit, corrected for sample size, dilution and moisture content as applicable.
 * denotes recovery outside of QC limits.
 (1) MS RPD is calculated via SW-846 rules; on the basis of spiked sample concentrations rather than spike recoveries.

New Orleans Laboratory Certifications
 Louisiana Dept. of Environmental Quality (LELAP) - 02006
 Arkansas Dept. of Environmental Quality - 88-0681
 Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
 Florida Dept. of Health (NELAC) - E87595
 Kansas Dept. of Health Environment - E-10266
 U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Quality Control

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Wet Chemistry Quality Control Results

Project No.: 2062234

Parameter	Batch	Blank	ARL	Units	LCS	LCS	LCS	MS	MS	MS	(1)MS	DUP	QC Limits		RPD	Qu
					Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD	Max
Nitrogen, Nitr	76202	ND	0.100	mg/L	0.5	98		1	60 *	63 *	1		90 - 110	80 - 120	20	
Nitrogen, Nitr	76161	ND	0.100	mg/L									-	-		
Nitrogen, Nitr	76161			mg/L	0.5	95		1	91	90	1		90 - 110	80 - 120	20	
Total Dissolve	76230	ND	10.0	mg/L	100	116						4	80 - 120	-	20	
Total Dissolve	76201	ND	10.0	mg/L	100	94							80 - 120	-		
Total Dissolve	76201	ND	10.0	mg/L	100	88						5	80 - 120	-	20	

9/14/2006 14:24:19

ARL denotes Adjusted Reporting Limit, corrected for sample size, dilution and moisture content as applicable.

* denotes recovery outside of QC limits.

(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

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 Arkansas Dept. of Environmental Quality - 88-0681
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 Florida Dept. of Health (NELAC) - E87595
 Kansas Dept. of Health Environment - E-10266
 U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report Qualifiers

Pace Analytical Services, Inc.

1000 Riverbend Blvd. Suite F

St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

LELAP # 02006

Pace Analytical*
New Orleans Laboratory

Project No.: **2062234**

ALL Qualifiers

Qualifier	Qualifier Description
N	See narrative for a detailed explanation.

QC Qualifiers

Qualifier	Qualifier Description
Q1	The matrix spike recoveries are poor. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample recovery.
Q3	The matrix spike recoveries are poor due to the presence of this analyte in the sample at a concentration greater than 4 times the spiked amount. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample.

9/14/2006 14:24:20

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270



CHAIN-OF-CUSTODY Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Required Client Information:

Company: CRA
Address: 2135 S. Loop 250 West
Email To: jorneelas@cra-world.com
Phone: (432) 666-0088 Fax: (432) 666-0186
Requested Due Date/TAT:

Section B

Report To: James Ornelas
Copy To:

Address:
Pace Quote Reference:
Pace Project Manager: OLAVSSON
Pace Profile #:

Section C

Invoice Information:

Attention:
Company Name:
Address:
Pace Project Manager: OLAVSSON
Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA Other:

SITE LOCATION

GA IL IN MI MN NC
 OH SC WI OTHER: **BANM**

Section D

Valid Matrix Codes:
MATRIX: DRINKING WATER (DW), WASTE WATER (WW), PRODUCT (P), SOIL/SOLID (SL), OIL (O), WIFE (W), AIR (AR), OTHER (OT), TISSUE (TS)
Required Client Information:
SAMPLE ID
One Character per box.
(A-Z, 0-9 / -)
Samples IDs MUST BE UNIQUE

ITEM #	1	2	3	4	5	6	7	8	9	10	11	12
MATRIX	DRINKING WATER	DRINKING WATER	DRINKING WATER	DRINKING WATER	DRINKING WATER	DRINKING WATER	DRINKING WATER	DRINKING WATER	DRINKING WATER	DRINKING WATER	DRINKING WATER	DRINKING WATER
WASTE WATER												
PRODUCT												
SOIL/SOLID												
OIL												
WIFE												
AIR												
OTHER												
TISSUE												
CODE	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
DATE	8/24	8/24	8/24	8/25	8/24	8/24	8/24	8/24	8/25	8/25	8/24	8/24
TIME	1555	1600	1645	1110	1655	1435	1505	1430	1030	1245	1310	1600
COMPOSITE END/GRAB												
MATRIX CODE	WT G											
SAMPLE TYPE	G-GRAB											
# OF CONTAINERS	2	3	3	3	3	3	3	3	3	3	3	3
Preservatives												
Unpreserved	X	X	X	X	X	X	X	X	X	X	X	X
H ₂ SO ₄												
HNO ₃												
HCl												
NaOH												
Na ₂ S ₂ O ₃												
Methanol												
Other												
Requested Analysis:	Filtered (Y/N) <input checked="" type="checkbox"/> TDS <input checked="" type="checkbox"/> DISINTEGRATED (CA, Mg, K, Mn) <input checked="" type="checkbox"/> F ₅₀₄ CL NDB1 <input checked="" type="checkbox"/> Residual Chlorine (Y/N) <input checked="" type="checkbox"/>											
Pace Project Number	20468454											
Lab I.D.	455 456 457 458 459 460 461 462 463 464											

Additional Comments:

Youngblood
James Kennedy
8-25-1600
8-24-0830
N 2 mella
8-24-0830
41

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION
Youngblood	8-25	1600	James Kennedy	8-24	0830	Received on Ice
						Sealed Cooler
						Custody
						Y/N
						Y/N
						Y/N
						Y/N
						Y/N
						Y/N
						Y/N
						Y/N
						Y/N
						Y/N
						Y/N

SAMPLER NAME AND SIGNATURE

PRINT NAME OF SAMPLER:
James Kennedy
SIGNATURE OF SAMPLER:
James Kennedy

DATE Signed (MM/DD/YY)

CHAIN-OF-CUSTODY ANALYTICAL REQUEST DOCUMENT

Section A Required Client Information: **Section B** Required Project Information: **Section C** Invoice Information:

Company: CRA Report To: James Ouellet Attention: _____
 Address: 2135 S. Loop 250 West Copy To: _____ Company Name: _____
 Email To: joouellet@cracoreid.com Purchase Order No.: _____ Address: _____
 Phone: (432) 686-0086 Project Name: CENCO GLENNIN Pace Project Manager: C. OLAVSEN
 Fax: (471) 686-0086 Project Number: 079124 Pace Profile #: _____

Valid Matrix Codes: DRINKING WATER (DW), WASTE WATER (WW), PRODUCT (P), SOIL/SOLID (SL), OIL (OL), WASTE WATER (WP), AIR (AR), OTHER (OT), TISSUE (TS)

Section D Required Client Information: **SAMPLE ID** One Character per box. (A-Z, 0-9 / -) Samples IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Filtered (Y/N)	Requested Analysis:	Pace Project Number	Lab I.D.
				DATE	TIME							
1	MW-1302406	WT	G	8/24	1510	3	Unpreserved	X	X	20468465	466	
2	MW-1402406			8/24	1320	3	H2SO4	X	X	467	468	
3	MW-1602406			8/24	1315	3	HNO3	X	X	469	470	
4	MW-1702406			8/24	1350	3	HCl	X	X	471	472	
5	MW-1902406			8/24	1220	3	NaOH	X	X	473	474	
6	MW-2002406			8/24	1235	3	Na2S2O3	X	X	476	477	
7	VES T82506			8/25	1015	3	Methanol	X	X			
8	WB2506			8/25	1115	3	Other	X	X			
9	RW-182506			8/25	1230	3		X	X			
10	DW8182406			8/24	-	3		X	X			
11	DW9282506			8/25	-	3		X	X			
12	TEMP					1		X	X			

Additional Comments: James Kennedy

RELINQUISHED BY / AFFILIATION DATE TIME: James Kennedy 8/25 1600

ACCEPTED BY / AFFILIATION DATE TIME: James Kennedy 8/26 0830

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: James Kennedy SIGNATURE of SAMPLER: James Kennedy

Temp in °C Received on Ice: Y/N Sealed Cooler: Y/N Custody: Y/N Samples Intact: Y/N





1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 875594

Client: PACE ANALYTICAL SERVICES, INC.

Lab Contact: Brian Basten

Project Name: CHEVRON / CRA

Project Number: 2062234

Lab Sample Number	Field ID	Matrix	Collection Date
875594-001	MW-182406	WATER	08/24/06 15:55
875594-002	MW-282406	WATER	08/24/06 16:00
875594-003	MW-382406	WATER	08/24/06 16:45
875594-004	MW-482506	WATER	08/25/06 11:10
875594-005	MW-582406	WATER	08/24/06 16:55
875594-006	MW-682406	WATER	08/24/06 14:35
875594-007	MW-782406	WATER	08/24/06 15:05
875594-008	MW-882406	WATER	08/24/06 14:30
875594-009	MW-982506	WATER	08/25/06 10:30
875594-010	MW-1082506	WATER	08/25/06 12:45
875594-011	MW-1282406	WATER	08/24/06 13:10
875594-012	MW-1382406	WATER	08/24/06 15:10
875594-013	MW-1482406	WATER	08/24/06 12:30
875594-014	MW-1682406	WATER	08/24/06 13:45
875594-015	MW-1782406	WATER	08/24/06 13:50
875594-016	MW-1982406	WATER	08/24/06 12:20
875594-017	MW-2082406	WATER	08/24/06 12:35
875594-018	WMW82506	WATER	08/25/06 10:15
875594-019	SW82506	WATER	08/25/06 11:15
875594-020	RW-182506	WATER	08/25/06 12:30
875594-021	DUP182406	WATER	08/24/06
875594-022	DUP282506	WATER	08/25/06

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Approval Signature

Date

9-18-06

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : MW-182406

Matrix Type : WATER

Collection Date : 08/24/06

Report Date : 09/18/06

Lab Sample Number : 875594-001

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	300	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Chloride	180	25	5	mg/L		08/31/06	EPA 300.0	EPA 300.0
Fluoride	< 2.5	2.5	5	mg/L	CN	08/31/06	EPA 300.0	EPA 300.0
Sulfate	81	20	5	mg/L		08/31/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : MW-282406

Matrix Type : WATER

Collection Date : 08/24/06

Report Date : 09/18/06

Lab Sample Number : 875594-002

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	250	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Chloride	290	25	5	mg/L		08/31/06	EPA 300.0	EPA 300.0
Fluoride	< 2.5	2.5	5	mg/L	C	08/31/06	EPA 300.0	EPA 300.0
Sulfate	140	20	5	mg/L		08/31/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : MW-382406

Matrix Type : WATER

Collection Date : 08/24/06

Report Date : 09/18/06

Lab Sample Number : 875594-003

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	260	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Chloride	750	250	50	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	2.6	2.5	5	mg/L		08/31/06	EPA 300.0	EPA 300.0
Sulfate	190	20	5	mg/L		08/31/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : MW-482506

Matrix Type : WATER

Collection Date : 08/25/06

Report Date : 09/18/06

Lab Sample Number : 875594-004

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	140	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Chloride	12000	2500	500	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	< 5.0	5.0	10	mg/L	C	08/31/06	EPA 300.0	EPA 300.0
Sulfate	290	40	10	mg/L		08/31/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : MW-582406

Matrix Type : WATER

Collection Date : 08/24/06

Report Date : 09/18/06

Lab Sample Number : 875594-005

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	190	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Chloride	930	50	10	mg/L		08/31/06	EPA 300.0	EPA 300.0
Fluoride	< 5.0	5.0	10	mg/L	C	08/31/06	EPA 300.0	EPA 300.0
Sulfate	140	40	10	mg/L		08/31/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : MW-682406

Matrix Type : WATER

Collection Date : 08/24/06

Report Date : 09/18/06

Lab Sample Number : 875594-006

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	260	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Chloride	590	50	10	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	3.0	2.5	5	mg/L		08/31/06	EPA 300.0	EPA 300.0
Sulfate	170	20	5	mg/L		08/31/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : MW-782406

Matrix Type : WATER

Collection Date : 08/24/06

Report Date : 09/18/06

Lab Sample Number : 875594-007

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	260	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Chloride	230	25	5	mg/L		08/31/06	EPA 300.0	EPA 300.0
Fluoride	3.1	2.5	5	mg/L		08/31/06	EPA 300.0	EPA 300.0
Sulfate	110	20	5	mg/L		08/31/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Matrix Type : WATER

Project Name : CHEVRON / CRA

Collection Date : 08/24/06

Project Number : 2062234

Report Date : 09/18/06

Field ID : MW-882406

Lab Sample Number : 875594-008

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	280	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Chloride	710	50	10	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	3.2	2.5	5	mg/L		08/31/06	EPA 300.0	EPA 300.0
Sulfate	170	20	5	mg/L		08/31/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : MW-982506

Matrix Type : WATER

Collection Date : 08/25/06

Report Date : 09/18/06

Lab Sample Number : 875594-009

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	260	10	1	mg/L	N	09/07/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Chloride	10000	2500	500	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	< 2.5	2.5	5	mg/L	C	08/31/06	EPA 300.0	EPA 300.0
Sulfate	360	80	20	mg/L		09/01/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : MW-1082506

Matrix Type : WATER

Collection Date : 08/25/06

Report Date : 09/18/06

Lab Sample Number : 875594-010

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	110	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Chloride	2200	500	100	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	< 2.5	2.5	5	mg/L	C	08/31/06	EPA 300.0	EPA 300.0
Sulfate	97	20	5	mg/L		08/31/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : MW-1282406

Matrix Type : WATER

Collection Date : 08/24/06

Report Date : 09/18/06

Lab Sample Number : 875594-011

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	87	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/05/06	SM 2320B	SM 2320B
Chloride	1700	500	100	mg/L	N	09/01/06	EPA 300.0	EPA 300.0
Fluoride	0.93	0.50	1	mg/L	N	09/01/06	EPA 300.0	EPA 300.0
Sulfate	48	4.0	1	mg/L	N	09/01/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : MW-1382406

Matrix Type : WATER

Collection Date : 08/24/06

Report Date : 09/18/06

Lab Sample Number : 875594-012

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	150	10	1	mg/L	N	09/06/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Chloride	760	50	10	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	< 2.5	2.5	5	mg/L	C	09/01/06	EPA 300.0	EPA 300.0
Sulfate	120	20	5	mg/L		09/01/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Matrix Type : WATER

Project Name : CHEVRON / CRA

Collection Date : 08/24/06

Project Number : 2062234

Report Date : 09/18/06

Field ID : MW-1482406

Lab Sample Number : 875594-013

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	85	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Chloride	5600	500	100	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	< 5.0	5.0	10	mg/L	C	09/01/06	EPA 300.0	EPA 300.0
Sulfate	690	40	10	mg/L		09/01/06	EPA 300.0	EPA 300.0

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : MW-1682406

Matrix Type : WATER

Collection Date : 08/24/06

Report Date : 09/18/06

Lab Sample Number : 875594-014

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	490	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Chloride	500	25	5	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	< 2.5	2.5	5	mg/L	C	09/01/06	EPA 300.0	EPA 300.0
Sulfate	89	20	5	mg/L		09/01/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : MW-1782406

Matrix Type : WATER

Collection Date : 08/24/06

Report Date : 09/18/06

Lab Sample Number : 875594-015

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	200	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Chloride	560	50	10	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	< 2.5	2.5	5	mg/L	C	09/01/06	EPA 300.0	EPA 300.0
Sulfate	100	20	5	mg/L		09/01/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : MVV-1982406

Matrix Type : WATER

Collection Date : 08/24/06

Report Date : 09/18/06

Lab Sample Number : 875594-016

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	250	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Chloride	3900	500	100	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	< 5.0	5.0	10	mg/L	C	09/01/06	EPA 300.0	EPA 300.0
Sulfate	390	40	10	mg/L		09/01/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : MW-2082406

Matrix Type : WATER

Collection Date : 08/24/06

Report Date : 09/18/06

Lab Sample Number : 875594-017

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	1100	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Chloride	1100	500	100	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	< 2.5	2.5	5	mg/L	C	09/01/06	EPA 300.0	EPA 300.0
Sulfate	84	20	5	mg/L		09/01/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : WMW82506

Matrix Type : WATER

Collection Date : 08/25/06

Report Date : 09/18/06

Lab Sample Number : 875594-018

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	150	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Chloride	1500	500	100	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	< 2.5	2.5	5	mg/L	C	09/01/06	EPA 300.0	EPA 300.0
Sulfate	97	20	5	mg/L		09/01/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : SW82506

Matrix Type : WATER

Collection Date : 08/25/06

Report Date : 09/18/06

Lab Sample Number : 875594-019

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	300	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Chloride	3100	500	100	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	< 5.0	5.0	10	mg/L	C	09/01/06	EPA 300.0	EPA 300.0
Sulfate	600	40	10	mg/L		09/01/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : RW-182506

Matrix Type : WATER

Collection Date : 08/25/06

Report Date : 09/18/06

Lab Sample Number : 875594-020

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	290	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Chloride	2300	500	100	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	< 5.0	5.0	10	mg/L	C	09/01/06	EPA 300.0	EPA 300.0
Sulfate	440	40	10	mg/L		09/01/06	EPA 300.0	EPA 300.0

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : DUP182406

Matrix Type : WATER

Collection Date : 08/24/06

Report Date : 09/18/06

Lab Sample Number : 875594-021

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	320	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/06/06	SM 2320B	SM 2320B
Chloride	530	50	10	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	< 2.5	2.5	5	mg/L	CN	09/01/06	EPA 300.0	EPA 300.0
Sulfate	100	20	5	mg/L		09/01/06	EPA 300.0	EPA 300.0

**Pace Analytical
Services, Inc.**

Analytical Report Number: 875594

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : PACE ANALYTICAL SERVICES, INC.

Project Name : CHEVRON / CRA

Project Number : 2062234

Field ID : DUP282506

Matrix Type : WATER

Collection Date : 08/25/06

Report Date : 09/18/06

Lab Sample Number : 875594-022

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Hydroxide Alkalinity	< 10	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Bicarbonate Alkalinity	300	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Carbonate Alkalinity	< 10	10	1	mg/L		09/07/06	SM 2320B	SM 2320B
Chloride	2300	500	100	mg/L		09/01/06	EPA 300.0	EPA 300.0
Fluoride	< 5.0	5.0	10	mg/L	C	09/01/06	EPA 300.0	EPA 300.0
Sulfate	450	40	10	mg/L		09/01/06	EPA 300.0	EPA 300.0

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level; therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

**Pace Analytical
Services, Inc.**

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
875594	W-F-W	All Samples	C - Elevated detection limit due to matrix effect. Samples 001,002,004,005,009,010,012-022 were diluted due to high chloride and sulfate amounts.
875594-012	W-ALK2-W	MW-1382406	N - Spiked sample recovery not within control limits.

Test Group Name	875594-001	875594-002	875594-003	875594-004	875594-005	875594-006	875594-007	875594-008	875594-009	875594-010	875594-011	875594-012	875594-013	875594-014	875594-015	875594-016	875594-017	875594-018	875594-019	875594-020	875594-021	875594-022	
ALKALINITY AS HYDROXIDE	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
ALKALINITY, BICARB/CARB	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
CHLORIDE	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
FLUORIDE	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
SULFATE	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B

Code	Facility	Address	TX Certification
B	Green Bay Lab (Bellevue St)	1241 Bellevue Street, Suite 9 Green Bay, WI 54302	Not Certified

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875594

Lab Section: WETCHEM

QC Batch Number: 13975

Prep Method: EPA 300.0

Analytical Method: EPA 300.0

QC Type Client Sample ID Lab Sample ID

MB	WCG1918-095MB	WCG1918-095MB
LCS	WCG1918-095MBLCS	WCG1918-095MBLCS
MS	875599-001MS	875599-001MS
MS	MW-182406 20468454MS	875594-001MS
MSD	875599-001MSD	875599-001MSD
MSD	MW-182406 20468454MS	875594-001MSD

Client Sample ID Lab Sample ID MB ID

MW-182406	875594-002	MB
MW-482506	875594-004	MB
MW-582406	875594-006	MB
MW-882406	875594-008	MB
MW-1082506	875594-010	MB

Lab Sample ID MB ID

875594-001	MB
875594-003	MB
875594-005	MB
875594-007	MB
875594-009	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc %	LCSD Spiked Conc	LCSD Recovery Conc %	LCS/LCSD Control Limits LCL % UCL % RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc %	MSD Spiked Conc	MSD Recovery Conc %	MS/MSD RPD %	MS/MSD Control Limits	
														LCL %	UCL %
Chloride	< 0.82	20.00	18.7 93.4	---	---	90 110 20	875594-001	179.6	100.0	270.7 91.1	100.0	270.9 91.3	0.1	90	110
Fluoride	< 0.096	2.00	1.9 95.5	---	---	90 110 20	875594-001	2.05	10.0	10.7 86.5	10.0	11 89.5	2.8	90	110
Sulfate	< 0.77	16.00	15.2 95.3	---	---	90 110 20	875594-001	80.80	80.00	153.8 91.2	80.00	154 91.6	0.2	90	110
Chloride	< 0.82	20.00	18.7 93.4	---	---	90 110 20	875599-001	104.8	100.0	211.8 107.1	100.0	199.3 94.6	6.1	90	110
Fluoride	< 0.096	2.0	1.9 95.5	---	---	90 110 20	875599-001	0.26	2.0	2 86.5	2.0	2 88.0	1.5	90	110
Sulfate	< 0.77	16.0	15.2 95.3	---	---	90 110 20	875599-001	23.0	16.0	36.2 94.8	16.0	38.6 97.4	1.1	90	110

Conc = mg/L unless otherwise noted

C = QC Code, see Qualifier Sheet

Parent Result is reported down to MDL in order to allow Validation of this worksheet

The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/18/2006

QC Batch Number: 13975

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875594
Lab Section: WETCHEM
QC Batch Number: 13994
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG1918-096MB	WCG1918-096MB
LCS	WCG1918-096MBLCS	WCG1918-096MBLCS
MS	DUP182406 20468474MS	875594-021MS
MS	MW-1282406 20468464M	875594-011MS
MSD	DUP182406 20468474MS	875594-021MSD
MSD	MW-1282406 20468464M	875594-011MSD

Client Sample ID	Lab Sample ID	MB ID
MW-1282406	875594-011	MB
MW-1482406	875594-013	MB
MW-1782406	875594-015	MB
MW-2082406	875594-017	MB
SW82506	875594-019	MB
DUP182406	875594-021	MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery			LCS Spiked Conc	LCSD Recovery			LCS/LCSD Control Limits			Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery			MSD Spiked Conc	MSD Recovery			MS/MSD Control Limits		
			Conc	%	C		Conc	%	C	LCL	UCL	RPD				%	UCL	RPD		%	LCL	UCL	RPD	%	UCL
Chloride	< 0.82	20.000	19.4	97.1	97.1	---	---	---	90	110	20	875594-011	1686.0	2000.0	3503	90.8	2000.0	3435	87.4	N	2.0	90	110	20	
Fluoride	< 0.096	2.0	2	98.5	98.5	---	---	---	90	110	20	875594-011	0.93	2.0	2.5	79.0	N	2.0	2.6	81.0	N	1.6	90	110	20
Sulfate	< 0.77	16.0	15.8	98.8	98.8	---	---	---	90	110	20	875594-011	48.0	16.0	64	100.1	16.0	65.8	111.4	N	2.8	90	110	20	
Chloride	< 0.82	20.00	19.4	97.1	97.1	---	---	---	90	110	20	875594-021	532.9	200.0	732	99.6	200.0	753.2	110.2	N	2.9	90	110	20	
Fluoride	< 0.096	2.00	2	98.5	98.5	---	---	---	90	110	20	875594-021	2.00	10.0	10.7	87.0	N	10.0	10.6	86.0	N	0.9	90	110	20
Sulfate	< 0.77	16.00	15.8	98.8	98.8	---	---	---	90	110	20	875594-021	101.1	80.00	175.4	92.8	80.00	175.4	92.9	N	0.0	90	110	20	

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifier Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/18/2006
QC Batch Number: 13994

Pace Analytical Services, Inc.

QC Summary

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Batch: 875594
Lab Section: WETCHEM
QC Batch Number: 14110
Prep Method: SM 2320B
Analytical Method: SM 2320B

Client Sample ID Lab Sample ID MB ID
MW-982506 875594-009 MB
WMMW82506 875594-018 MB
RW-182506 875594-020 MB

QC Type Client Sample ID Lab Sample ID
MB WCG1919-026MB WCG1919-026MB
LCS WCG1919-026MBLCS WCG1919-026MBLCS
MS MW-982506 20468462MS 875594-009MS
MSD MW-982506 20468462MS 875594-009MSD

Client Sample ID Lab Sample ID MB ID
MW-1082506 875594-010 MB
SW82506 875594-019 MB
DUP282506 875594-022 MB

Test Name	Method Blank Result Conc	LCS Spiked Conc	LCS Recovery		LCS Spiked Conc	LCS/LCSD Control Limits		Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery		MSD Spiked Conc	MSD Recovery		MS/MSD Control Limits	
			Conc	%		LCL	UCL				Conc	%		Conc	%	LCL	UCL
Alkalinity as CaCO3	< 3.7	--	--	--	--	--	--	875594-009	< 3.7	--	--	--	--	--	--	--	--
Bicarbonate Alkalinity	< 3.7	12.60	13.1	103.8	--	80	120	875594-009	259.4	100.0	335.7	76.3	100.0	327	67.6	80	120
Carbonate Alkalinity	< 3.7	--	--	--	--	--	--	875594-009	< 3.7	--	--	--	--	--	--	--	--

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifier Sheet

Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 9/18/2006
QC Batch Number: 14110

Sample Condition Upon Receipt



Client Name: Pace-NO

Project # 875594

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used JB

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Cooler Temperature _____

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 8/30/06 - JS
JS/30/06

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>Due 9/8/06</u>
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: 8-30-06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2

Section A

Required Client Information:

Company: CRA

Address: 2135 S. Loop 250 West

Email To: jorncas@cfaworld.com

Phone: (432) 686-0088 Fax: (432) 686-0186

Requested Due Date/TAT:

Section B

Required Project Information:

Report To: James Ornelas

Copy To:

Purchase Order No.:

Project Name: CLMC GL. Erwin

Project Number: 034124

Section C

Invoice Information:

Attention:

Company Name:

Address:

Pace Quote Reference:

Pace Project Manager: C. JAVASCEN

Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA Other

SITE LOCATION

GA IL IN MI MN NC
 OH SC WI OTHER NM

Section D

Valid Matrix Codes

Required Client Information
SAMPLE ID
One Character per box.
(A-Z, 0-9 / -)
Samples IDs MUST BE UNIQUE

ITEM #	MATRIX	DRINKING WATER	WASTE WATER	PRODUCT	SOIL/SOLID	WATER	WASTE WATER	PRODUCT	SOIL/SOLID	WATER	WASTE WATER	PRODUCT	SOIL/SOLID	WATER	WASTE WATER	PRODUCT	SOIL/SOLID	WATER	WASTE WATER	PRODUCT	SOIL/SOLID	WATER	WASTE WATER	PRODUCT	SOIL/SOLID	WATER	WASTE WATER	PRODUCT	SOIL/SOLID
1	M	W	-	1	8	2	4	0	6	001																			
2	M	W	-	2	8	2	4	0	6	002																			
3	M	W	-	3	8	2	4	0	6	003																			
4	M	W	-	4	8	2	5	0	6	004																			
5	M	W	-	5	8	2	4	0	6	005																			
6	M	W	-	6	8	2	4	0	6	006																			
7	M	W	-	7	8	2	4	0	6	007																			
8	M	W	-	8	8	2	4	0	6	008																			
9	M	W	-	9	8	2	5	0	6	009																			
10	M	W	-	1	0	8	2	5	0	6	010																		
11	M	W	-	1	1	1	1	1	1	011																			
12	M	W	-	1	2	8	2	4	0	6	012																		

Preservatives

Unpreserved H₂SO₄ HNO₃ HCl NaOH Na₂S₂O₃ Methanol Other

CONTAINERS

OF AT COLLECTION

COLLECTED

COMPOSITE START DATE TIME COMPOSITE END/GRAB DATE TIME

MATRIX CODE

G-GRAB C-COMP

SAMPLE TYPE

WT G

Filtered (Y/N)

Requested Analysis:

Residual Chlorine (Y/N)

Pace Project Number Lab ID

Temp in °C

RELINQUISHED BY / AFFILIATION DATE TIME

ACCEPTED BY / AFFILIATION DATE TIME

DATE TIME

SAMPLER NAME AND SIGNATURE

PRINT NAME OF SAMPLER: James Kennedy

SIGNATURE OF SAMPLER: James Kennedy

DATE SIGNED (MM/DD/YY)

Additional Comments:

relinquished: fed ex 8/30/06 12:00
rec'd: A. W. W. 8/30/06 12:00

APPENDIX C

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER APPLICATION FOR
PERMIT (#CP 00886)



METER INSTALLATION AND
INSPECTION FORM

STATE ENGINEER OFFICE
Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 172265
File Nbr: CP 00886
Well File Nbr: CP 00886

NAME: Chevron USA
ADDRESS: 11111 S. Wilcrest
CITY/STATE/ZIP: Houston TX 77099

1. WATER METER INFORMATION:

Well File Nbr: CP 00886
Serial Number: 0607-96290-1-89 Meter Make: Vane Model # 793A
Number of Dials: 7 (1 needle / 6 roll type) Multiplier: (0) (00) (000)
Number of dials that move on the left side of dial on meter. Circle number of zeros that don't move on right side of dial on meter.
Unit of Measure: (GALLONS) (CUBIC FEET) (BARRELS) (ACRE-FEET) ()
Circle appropriate unit of measure. Specify Other

Initial Reading: 999986. Initial Reading Date: 9-26-06

2. COMMENTS:

On September 29, 2006 a meter reading was collected
meter reading: 999991

Inspector: James Denebas (CRA) agent for Chevron USA
Date: 9/29/06

(supplemental well, change location of well)

from SHALLOW ground water. (artesian or shallow)

3. Description of well:

Located in the SW 1/4 SE 1/4 of Sec. 35 Twp. 24S Rge. 37E N.M.P.M., or Tract No. _____ of Map No. _____ of the CAPITAN District; total depth, 73 feet; is well cased _____; outside diameter of top casing (or hole, if uncased), 6 inches; if artesian, is well equipped with gate valve _____; date drilled July 10 19 98; Name of driller Scarborough Drilling.

4. Record of Pumping Test, if made (to be supplied by person or firm making test); Name and address of person making test, Conestoga Rovers Associates 2135 S. Loop 250 West Midland TX date of test February 23 2006; depth to water before test, 61.28 feet 2.5 (above, below) land surface, and pumping level during test, 70.35 feet; length of test, 1.0 hours; average discharge, 0.75 G.P.M.; specific capacity of well, 0.1 gals./min. per foot of drawdown.

5. Permanent Pump Equipment:

(a) Description of pump: Make Grundfos; Type Redi-Flo 3; size of discharge 1 1/4 inches; if turbine type, give size of column, _____ inches; diameter of bowls _____ inches; number of bowls _____; length of suction pipe _____ feet; total length of column, bowls and suction pipe _____ feet; if centrifugal type, give size of pump 30.4 inches; if other type, describe _____; rated capacity of pump (if known), 5 G.P.M., at _____ rev. per min., from a depth of 80 feet.

(b) Description of power plant: Make _____; Type _____; rated horsepower (if available) _____; type of drive connection to pump _____ (direct, gearhead, or belt)

(c) Actual discharge of pump, 0.75 G.P.M., at _____ rev. per min., from a depth of 70 feet; Date of test September 19 2006.

6. If reservoir is used, give approximate size: length _____ feet; width _____; depth _____.

7. If above well replaced an old well to be plugged or abandoned, fill out the following: the well abandoned is located in the _____ 1/4 _____ 1/4 _____ 1/4 of Sec. _____, Twp. _____, Rge. _____.

Describe plugging method N/A
Name of plugging contractor N/A

8. Well Record filed with State Engineer's Office Yes.
(Yes or No)

I, James Oenelas (CRA) affirm that the foregoing statements are true to the best of my knowledge and belief and that I am the agent for Chevron USA owner and holder of said water right. (sole, partial, agent for, etc.,)

Chevron USA, Permittee
By: James Oenelas (CRA) agent for Chevron USA

STATEMENT OF STATE ENGINEER'S REPRESENTATIVE

I hereby certify that I have inspected the above well and find it constructed in accordance with the conditions of the permit. Note any exceptions _____

Well was producing _____ gpm against a _____ head of _____ feet at _____ rpm.
(measured) (estimated)

Old well has been _____

John R. D Antonio, Jr., P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 172265
File Nbr: CP 00886

Sep. 09, 2004

MARK LARSON
TEXACO EXPLORATION & PROD. INC
P.O. BOX 730
HOBBS, NM 88240-0730

Greetings:

Enclosed is your copy of the above numbered permit which has been approved subject to the conditions set forth on the approval page thereof.

Proof of Completion of Well(s) will be filed in this office after completion and installation of equipment, but in no event later than 09/30/2006. Proof of Completion of Well forms shall be mailed upon request.

Your rights under this permit will expire on 09/30/2006, unless Proof of Completion of Well(s) is filed or an Application for Extension of Time is received in this office on or before that date.

Sincerely,

A handwritten signature in cursive script, appearing to read "Johnny R. Hernandez".

Johnny R. Hernandez
(505) 622-6467

Enclosure
cc: Santa Fe Office

nonappcw

NEW MEXICO STATE ENGINEER OFFICE
APPLICATION TO APPROPRIATE

SPECIFIC CONDITIONS OF APPROVAL

- 1B Depth of the well shall not exceed the thickness of the Ogallala formation.
- 5B A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor on or before the 10th of Jan., April, July, and Oct. of each year for the 3 preceeding calendar months.
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- C Driller's well record must be filed with the State Engineer within 10 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- PCW The Point of Diversion CP 00886 must be completed and the Proof of Completion of Works filed on or before 09/30/2006.

This well shall be located at least 660 feet from all water wells of other ownership.

1. This application is approved as follows:

PERMIT NO: CP-886

SOURCE: Shallow Ground Water

POINT OF DIVERSION:

SW1/4SE1/4 Sec. 35, Twp 24S, Rge 37E, NMPM

PURPOSE OF USE: Environmental Remediation

PLACE OF USE:

SW1/4SE1/4 Sec. 35, Twp 24S, Rge 37E, NMPM

AMOUNT OF WATER:

Up to 6.5 acre-feet per annum for Environmental Remediation purposes.

Trn Desc: CP 886

File Number: CP 00886

Trn Number: 172265

Street or Post Office Address PO Box 3109
 City and State Midland, TX 79702

Well was drilled under Permit No. _____ and is located in the:
 G. L. Erwin Federal NCT-2 Tank Battery, 4.5 mi NE of Jal
 a. $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ of Section _____ Township _____ Range _____ N.M.P.M.
 b. Tract No. _____ of Map No. _____ of the _____
 c. Lot No. _____ of Block No. _____ of the _____
 Subdivision, recorded in Lea County.
 d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
 the _____ Grant.

(B) Drilling Contractor Scarborough Drilling, Inc. License No. WD 1188

Address 122 N. 24th, Lamesa, TX 79331

Drilling Began 7-10-98 Completed 7-13-98 Type tools air rotary Size of hole 8 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 73 ft.

Completed well is shallow artesian. Depth to water upon completion of well 58.46 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Screen	Perforations	
			Top	Bottom			From	To
4	sch 40 pvc		+ 2.5	53		.020 screen	53	73

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				
73	51	8	8-16 silica sand		poured
51	46	8	bentonite chips		poured; hydrated in place
46	0	8	cement		poured

Section 5. PLUGGING RECORD

Plugging Contractor _____
 Address _____
 Plugging Method _____
 Date Well Plugged _____
 Plugging approved by: _____

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			

