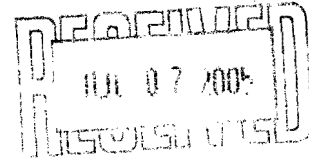


ENVIRONMENTAL
MANAGEMENT SERVICES, INC. 

June 30, 2005

Laura Stuart, P.G.
Geologist, Water Division
Arkansas Department Environmental Quality
8001 National Drive
Little Rock, AR 72219-8913



**RE: 2004 Annual Ground Water Report
El Dorado Chemical Company
El Dorado, Arkansas
EPA ID No. ARD001700657**

Dear Ms. Stuart:

On behalf of El Dorado Chemical Company (EDCC), Environmental Management Services, Inc. respectfully submits the 2004 Annual Ground Water Report for the EDCC facility in El Dorado Arkansas. If you have any questions or require additional information, please contact Randall Whitmore at (870) 863-1498.

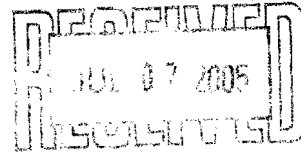
Sincerely,

Environmental Management Services, Inc.

Charles Cospelich for

Charles Cospelich
Hydrogeologist

cc: Randall Whitmore



2004 ANNUAL GROUND WATER REPORT

Prepared For:

El Dorado Chemical Company

Prepared By:

12232 Industriplex Blvd, Suite 27
Baton Rouge, Louisiana
(225) 751-5386

June 2005

**2004 ANNUAL GROUND WATER REPORT
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS**

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**2004 ANNUAL GROUND WATER REPORT
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS**

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**2004 ANNUAL GROUND WATER REPORT
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS**

1.0 INTRODUCTION

This report presents the results of ground water sampling activities conducted at the El Dorado Chemical Company (EDC) facility during 2004. Field sampling techniques, ground water flow and ground water quality are discussed. A site map is provided as Figure 1.

2.0 SITE GEOLOGY

The EDC facility is located west of the Mississippi Embayment in the Gulf Coastal Plain Geostatigraphic Region. Sediments within the region are characterized as a thick sequence of unconsolidated sediments, fluvial-deltaic in origin, and Tertiary in age. In some areas of Union County, unconsolidated alluvial deposits, Quaternary in age, overlay the Tertiary sediments.

Within the Claiborne Group, two units crop out in Union County, the Cook Mountain Formation and the Cockfield Formation. The Cook Mountain is overlain by the Cockfield Formation. The Cook Mountain is uniformly underlain by the Sparta Formation. The Cook Mountain is 50 to 200 feet thick and is composed of clay and silty clay containing minor amounts of localized very fine to silty sand. These clays serve as a confining unit between the more permeable overlying Cockfield Formation and the underlying aquifer. The Cockfield Formation, locally referred to as the "lignite sand", is generally characterized by fine sand, interbedded silty clay and lignite becoming more massive and containing less silt and clay with depth. The local shallow subsurface consists of interbedded sand, silty sand, silt and clay, with more clay in the northern area of the property and more sand to the south.

3.0 GROUND WATER SAMPLING

Monitor wells EDC-MW-19, EDC-MW-20, EDC-MW-21 and EDC-MW-22 were installed during January 2004 to determine the geology and delineate the extent of constituents on the southern, southeastern and eastern areas of the property. EDC-MW-21 was installed using the Geoprobe, the others using Mud Rotary drilling. Details regarding the field techniques and

geological evaluation were presented in the May 2004 *Geologic Investigation Report*. The new well locations are shown on Figure 1.

3.1 FIELD SAMPLING

Ground water sampling events were conducted in January, March, May, July, September and November of 2004. Depth-to-water measurements were collected from each well using an electronic water level indicator. The device was decontaminated between each well to minimize cross-contamination. Depth-to-water measurements were subtracted from their respective top-of-casing elevations to calculate ground water elevations referenced to Mean Sea Level (MSL) at each well. Monitoring well construction details are provided on Table 1. Ground water elevations for all 2004 sampling events are summarized on Table 2.

The depth-to-water measurements were used to calculate the volume of water within each well and determine the amount to be purged prior to sampling. Three well volumes were removed from each well or until the well became dry using either a disposable bailer or a Redi-Flo electric pump. When a pump was used, dedicated polyethylene tubing was used for each well to minimize the potential for cross-contamination. Field indicator parameters (pH, conductivity and temperature) were recorded after removal of each well volume. Field meters used to measure field data were calibrated each day during sampling. Ground water indicator parameter data (final readings only) are summarized on Table 3. Purge water was containerized for proper disposal.

Ground water samples were collected using new, clean, dedicated, disposable polyethylene bailers. Ground water samples were placed into laboratory-provided containers with the appropriate preservatives. The containers were packed in ice-chests and shipped to the laboratory under chain-of-custody.

3.2 LABORATORY ANALYSIS

Ground water samples were analyzed by Arkansas Analytical, Inc. in Little Rock, Arkansas. Arkansas Analytical is certified by the Arkansas Department of Environmental Quality. The analytical reports are provided in Appendix A.

Ground water samples were analyzed for the following constituents:

PARAMETER	ANALYTICAL METHOD
Ammonia-N	EPA 350.3
Nitrate-N	SW-846 9056
Sulfate	SW-846 9056
Total Dissolved Solids (TDS)	EPA 160.1
Lead (Total and Dissolved)	SW-846 6010B
Chromium (Total and Dissolved)	SW-846 6010B
Vanadium (Total and Dissolved)	SW-846 6010B

Field quality assurance/quality control (QA/QC) samples consisted of twelve (12) duplicate samples, two collected during each sampling event. Precision (relative percent difference or RPD) was calculated for all duplicate samples for all constituents analyzed. RPD calculations indicated the RPD for the duplicate samples ranged from 0 to 66%. Only 5 of the duplicates had an RPD above 20%. In addition, ten (10) field blanks and six (6) trip blanks were collected and analyzed in 2004. Only low levels of dissolved solids (8 to 20 mg/L) were detected in some field and trip blanks.

4.0 SAMPLING RESULTS

4.1 GROUND WATER FLOW

Ground water elevations from March (highest average site-wide ground water elevation during 2004) and September (lowest average site-wide ground water elevation during 2004) were used to construct the maps on Figures 2 and 3. The March ground water elevations were the highest recorded in 2004, ranging from 150.41 feet (MSL) in MW-EDC-19 (located east of Lake Kildeer) to 205.53 feet in MW-EDC-1 (located northwest of the facility). The averaged September readings had the lowest elevations with values ranging from 148.26 feet in MW-

EDC-19 and 199.93 feet in MW-EDC-1. Consistent with previous measurements, the ground water flow direction is from northwest to southeast with the exception of localized areas where shallow perched ground water likely exists.

4.2 GROUND WATER QUALITY

4.2.1 Field Parameters

Indicator parameter data are summarized on Table 3. In 2004, pH values ranged from 3.88 in MW-EDC-4 to 7.68 in MW-EDC-22. The readings are consistent throughout 2004 as well as with the previous measurements. Specific conductance values ranged from 49.8 (MW-EDC-1) to 11,830 (MW-EDC-8) microSiemens (μS) in 2004. Wells MW-EDC-4, MW-EDC-6, MW-EDC-7 and MW-EDC-8 had the highest conductivity readings.

4.2.2 Analytical Results

The analytical results are summarized in Tables 4 through 25 and the laboratory reports are provided in Appendix A. A discussion of each constituent is provided below:

Ammonia

For the year 2004, ammonia concentrations ranged from below the detection limit (0.5 mg/L) to 219 mg/L (MW-EDC-7). MW-EDC-7 and MW-EDC-8 exhibited the highest concentrations throughout the year. The September results had lowest average site-wide concentration (8.09 mg/L); whereas, the highest site-wide average occurred in May 2004 (16.88 mg/L). Nineteen of the twenty-two wells had a least one detection during 2004. Results from all six sampling periods were generally consistent. Ammonia isoconcentration maps were developed for the periods with the highest site-wide average ground water elevation (March) and lowest average ground water elevation (September). The March and September ammonia concentrations are presented on Figures 4 and 5, respectively. As shown on both figures, the highest ammonia concentrations are located north of the acid and nitrate process areas known as the Production Area. There were also detections on the north and southeast sides of Lake Kildeer. In September, wells MW-EDC-18, 19, 20, 21 and 22 exhibited low concentrations; whereas in March, wells in this area were all below the detection limit.

Nitrate

For the year 2004, nitrate concentrations ranged from below the detection limit (0.5 mg/L) to 1140 mg/L (MW-EDC-6). MW-EDC-6, MW-EDC-7 and MW-EDC-8 exhibited the highest concentrations throughout the year. The January results had lowest average site-wide concentration (67.86 mg/L); whereas, the highest site-wide average occurred in July 2004 (114.33 mg/L). Fifteen of the twenty-two wells had a least one detection during 2004. Results from all six sampling periods were generally consistent. Nitrate isoconcentration maps were developed for the periods with the highest site-wide average ground water elevation (March) and lowest average ground water elevation (September). The March and September nitrate concentrations are presented on Figures 6 and 7, respectively. As shown on both figures, the highest nitrate concentrations are located north of the acid and nitrate process areas known as the Production Area. There were also detections on the north and southeast sides of Lake Kildeer, and to the east in MW-EDC-21.

Sulfate

Analytical results show concentrations ranging from 2.51 mg/L (MW-EDC-22) to 1040 mg/L (MW-EDC-4) in 2004. Wells MW-EDC-4 and MW-EDC-8 typically have the highest concentrations; whereas, MW-EDC-1, MW-EDC-21 and MW-EDC-22 have the lowest. Results from all six sampling periods were generally consistent.

Total Dissolved Solids

TDS concentrations ranged from < 1 (MW-EDC-22) to 7100 mg/L (MW-EDC-6) during 2004. Wells MW-EDC-4, MW-EDC-6 and MW-EDC-8 (located north of the Production Area) consistently have the highest TDS levels; whereas, MW-EDC-1, MW-EDC-15 and MW-EDC-21 have the lowest. Results from all six sampling periods were generally consistent.

Lead (Total and Dissolved)

Lead was detected in seven wells during 2004. Detected concentrations ranged from 0.017 mg/L (MW-EDC-7) to 0.169 mg/L in MW-EDC-21. Lead was detected most often in MW-EDC-18 and MW-EDC-21.

Chromium (Total and Dissolved)

Chromium was detected in six wells during 2004. Detected concentrations ranged from 0.021 mg/L (MW-EDC-18 and MW-EDC-22) to 0.837 mg/L in MW-EDC-21. Chromium was detected most often in MW-EDC-18 and MW-EDC-21.

Vanadium (Total and Dissolved)

Vanadium was analyzed in ground water for the first time in 2004. Results indicate vanadium was only detected in MW-EDC-18 at levels ranging from 0.045 to 0.213 mg/L.

TABLES

TABLE 1
MONITORING WELL CONSTRUCTION DETAILS
2004 ANNUAL GROUND WATER REPORT
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

Monitoring Well ID	Completion Date	Well Depth (ft below top of casing)	Screened Interval (ft from top of casing)	Top of Casing Elevation (ft above MSL)
EDC-MW-1	2/14/1996	22.1	12.1 to 22.2	213.28
EDC-MW-2	2/14/1996	20.2	10.2 to 20.2	196.25
EDC-MW-3	2/15/1996	27.1	17.1 to 27.1	192.11
EDC-MW-4	2/15/1996	22.1	12.1 to 22.1	194.84
EDC-MW-5	2/21/1996	17.7	7.7 to 17.7	182.69
EDC-MW-6	2/21/1996	22.0	12 to 22	191.87
EDC-MW-7	2/20/1996	23.9	13.9 to 23.9	195.88
EDC-MW-8	2/20/1996	29.9	19.9 to 29.9	197.34
EDC-MW-9	2/15/1996	30.0	20 to 30	198.39
EDC-MW-10	2/19/1996	22.6	12.6 to 22.6	205.75
EDC-MW-11	2/19/1996	19.8	9.8 to 19.8	201.65
EDC-MW-12	2/19/1996	19.9	9.9 to 19.9	184.97
EDC-MW-13	2/14/1996	19.8	9.8 to 19.8	177.26
EDC-MW-14	2/13/1996	18.2	8.2 to 18.2	178.48
EDC-MW-15	2/13/1996	17.0	7 to 17	180.84
EDC-MW-16	2/12/1996	19.3	9.3 to 19.3	180.14
EDC-MW-17	2/13/1996	34.7	24.7 to 34.7	185.40
EDC-MW-18	2/22/1996	17.2	7.2 to 17.2	155.46
EDC-MW-19	1/11/2004	61.5	51.5 to 61.5	150.41
EDC-MW-20	1/7/2004	54.4	44.5 to 54.4	192.77
EDC-MW-21	1/6/2004	34.9	24.9 to 34.9	176.29
EDC-MW-22	1/21/2004	79.8	69.8 to 79.8	173.55

Notes:

1. EDC-MW-1 through EDC-MW-18 constructed of 4-inch Sch. 40 PVC flush threaded pipe with 4-inch diameter screens, 10-foot length and 0.01-inch openings, casing risers are approximately 3 feet above ground surface, drilled with hollow-stem auger
(Data from Woodward-Clyde June 1996 Report)
2. EDC-MW-19, EDC-MW-20 and EDC-MW-22 constructed of 2-inch Sch. 40 PVC flush threaded pipe with 2-inch diameter screens, 10-foot length and 0.01-inch openings, casing risers are approximately 2.5 to 3 feet above ground surface, drilled with rotary wash procedures
2. EDC-MW-20 constructed of 1-inch Sch. 40 PVC flush threaded pipe with 1-inch diameter screen, 10-foot length and 0.01-inch opening, casing riser approximately 2.5 feet above ground surface, drilled with Geoprobe

TABLE 2
GROUNDWATER ELEVATION DATA
2004 ANNUAL GROUND WATER REPORT
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

Monitoring Well	Top of Casing Elevation (ft above Mean Sea Level)	Measurement Date											
		1/26/2004 - 1/28/2004		3/15/2204 - 3/16/2004		5/17/2004 - 5/19/2004		7/12/2004 - 7/13/2004		9/13/2004 - 9/14/2004		11/15/2004 - 11/17/2004	
		Depth to Water (ft from top of casing)	Ground Water Elevation (ft above MSL)	Depth to Water (ft from top of casing)	Ground Water Elevation (ft above MSL)	Depth to Water (ft from top of casing)	Ground Water Elevation (ft above MSL)	Depth to Water (ft from top of casing)	Ground Water Elevation (ft above MSL)	Depth to Water (ft from top of casing)	Ground Water Elevation (ft above MSL)	Depth to Water (ft from top of casing)	Ground Water Elevation (ft above MSL)
MW-EDC-1	213.28	13.85	199.43	7.75	205.53	8.15	205.13	9.55	203.73	13.35	199.93	8.95	204.33
MW-EDC-2	196.25	1.30	194.95	0.00	196.25	0.00	196.25	0.00	196.25	0.00	196.25	11.60	184.65
MW-EDC-3	192.11	10.40	181.71	8.75	183.36	8.45	183.66	8.80	183.31	10.25	181.86	8.85	183.26
MW-EDC-4	194.84	5.70	189.14	8.15	186.69	8.10	186.74	8.35	186.49	9.30	185.54	8.65	186.19
MW-EDC-5	182.69	3.75	178.94	3.70	178.99	4.10	178.59	4.95	177.74	6.10	176.59	4.40	178.29
MW-EDC-6	191.87	4.20	187.67	4.15	187.72	3.95	187.92	4.10	187.77	4.75	187.12	6.75	185.12
MW-EDC-7	195.88	4.15	191.73	7.05	188.83	6.85	189.03	6.70	189.18	7.35	188.53	7.20	188.68
MW-EDC-8	197.34	7.60	189.74	7.00	190.34	7.75	189.59	6.55	190.79	7.15	190.19	7.15	190.19
MW-EDC-9	198.39	10.45	187.94	8.75	189.64	8.65	189.74	9.05	189.34	11.25	187.14	9.85	188.54
MW-EDC-10	205.75	12.25	193.50	10.75	195.00	11.20	194.55	11.65	194.10	13.30	192.45	12.95	192.80
MW-EDC-11	201.65	10.30	191.35	8.90	192.75	9.30	192.35	9.75	191.90	10.75	190.90	4.30	197.35
MW-EDC-12	184.97	6.80	178.17	6.25	178.72	6.95	178.02	6.65	178.32	7.10	177.87	7.05	177.92
MW-EDC-13	177.26	5.35	171.91	5.20	172.06	5.20	172.06	6.25	171.01	8.50	168.76	5.45	171.81
MW-EDC-14	178.48	8.60	169.88	6.45	172.03	6.95	171.53	9.00	169.48	10.85	167.63	8.25	170.23
MW-EDC-15	180.84	4.25	176.59	3.65	177.19	3.90	176.94	5.25	175.59	6.55	174.29	4.60	176.24
MW-EDC-16	180.14	4.30	175.84	3.55	176.59	3.95	176.19	5.80	174.34	6.75	173.39	4.50	175.64
MW-EDC-17	185.40	28.75	156.65	27.20	158.20	27.15	158.25	28.10	157.30	29.35	156.05	23.30	162.10
MW-EDC-18	155.46	4.70	150.76	4.50	150.96	5.05	150.41	5.90	149.56	6.80	148.66	5.35	150.11
MW-EDC-19	150.41	0.80	149.61	0.00	150.41	0.00	150.41	0.00	150.41	2.15	148.26	0.60	149.81
MW-EDC-20	192.77	28.25	164.52	25.95	166.82	27.00	165.77	27.10	165.67	28.85	163.92		
MW-EDC-21	176.29	17.35	158.94	16.10	160.19	17.05	159.24	17.65	158.64	18.45	157.84	16.90	159.39
MW-EDC-22	173.55	7.30	166.25	5.10	168.45	4.60	168.95	6.45	167.10	8.85	164.70	6.65	166.90

**TABLE 3
GROUNDWATER INDICATOR PARAMETER DATA
2004 ANNUAL GROUND WATER REPORT
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS**

WELL	TEMPERATURE (F)					
	Date					
	1/28/2004	3/16/2004	5/18/2004 - 5/19/2004	7/13/2004	9/14/2004 - 9/15/2004	11/16/2004 - 11/17/2004
MW-EDC-1	14.1	15	17.9	21.5	22	19.6
MW-EDC-2	12.4	15.4	17.5	20.4	21.6	18.1
MW-EDC-3	14.9	16.3	18.2	20.9	20.6	19.2
MW-EDC-4	15.5	15.1	17.8	21.1	22	19.1
MW-EDC-5	14.3	15.3	18.4	23.1	21.9	20
MW-EDC-6	16.4	15.8	18.5	21.8	22.5	20.2
MW-EDC-7	17.1	16.9	19.2	21.6	23.4	20.3
MW-EDC-8	17.4	18	19.2	21.8	20.7	20.4
MW-EDC-9	16.0	18.1	18.9	21.9	21.4	20.1
MW-EDC-10	16.4	18.2	20.3	22.6	23.4	21.4
MW-EDC-11	16.6	15.9	19.5	23.9	23.8	22.5
MW-EDC-12	15.8	17.1	19.6	23.4	24.8	21.7
MW-EDC-13	16.0	14.9	18.4	22.2	22.2	20.5
MW-EDC-14	16.3	14.8	19.5	22.3	23.4	19.7
MW-EDC-15	14.9	13.3	18.5	23.4	23.1	20.4
MW-EDC-16	15.7	13.6	19.1	23.6	23.6	20.4
MW-EDC-17	17.9	17.4	20.3	19.9	20.9	18.1
MW-EDC-18	12.7	13	17.3	21.2	19.8	18.9
MW-EDC-19	15.9	15.8	17.6	18.4	18.3	18.1
MW-EDC-20	13.7	17.4	19.9	23.4	24.3	19.4
MW-EDC-21	14.2	16.6	18.2	19.5	19.1	18
MW-EDC-22	19	17.3	19.9	21.4	24.1	18.4

**TABLE 3
GROUNDWATER INDICATOR PARAMETER DATA
2004 ANNUAL GROUND WATER REPORT
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS**

WELL	pH (s.u.)					
	Date					
	1/28/2004	3/16/2004	5/18/2004 - 5/19/2004	7/13/2004	9/14/2004 - 9/15/2004	11/16/2004 - 11/17/2004
MW-EDC-1	5.25	5.59	5.51	6.16	5.65	5.11
MW-EDC-2	5.2	5.47	5.4	5.68	5.44	6.12
MW-EDC-3	5.59	5.94	5.86	5.92	5.74	5.96
MW-EDC-4	3.88	4.1	4.05	4.35	4.44	4.26
MW-EDC-5	5.03	5.13	5.85	4.96	6.7	5.28
MW-EDC-6	4.36	4.4	5.04	4.74	5.51	4.59
MW-EDC-7	3.99	3.98	3.95	3.99	4.45	3.97
MW-EDC-8	4.29	4.18	4.07	4.48	3.99	4.01
MW-EDC-9	5.53	5.88	5.47	6.87	5.04	5.67
MW-EDC-10	4.6	5.01	5.07	4.54	4.7	4.79
MW-EDC-11	5.04	5	5.17	4.53	4.61	4.86
MW-EDC-12	6.44	5.96	5.8	6.78	5.8	5.73
MW-EDC-13	5.02	5.19	5.27	6.02	5.03	4.83
MW-EDC-14	5.19	5.34	5.23	5.05	4.72	4.88
MW-EDC-15	5.56	5.68	5.75	5.39	4.67	4.92
MW-EDC-16	5.61	5.83	5.95	5.5	4.49	5.08
MW-EDC-17	6.54	6.62	6.73	6.57	4.4	5.41
MW-EDC-18	6.17	6.4	6.43	6.05	5.89	5.96
MW-EDC-19	6.73	6.49	6.19	6.37	6.23	6.02
MW-EDC-20	5.93	6.51	6.23	5.8	5.61	5.36
MW-EDC-21	5.56	6.34	6.75	6.39	5.47	5.96
MW-EDC-22	7.68	6.65	6.76	6.74	5.84	6.95

TABLE 3
GROUNDWATER INDICATOR PARAMETER DATA
2004 ANNUAL GROUND WATER REPORT
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

WELL	CONDUCTIVITY (uS)					
	Date					
	1/28/2004	3/16/2004	5/18/2004 - 5/19/2004	7/13/2004	9/14/2004 - 9/15/2004	11/16/2004 - 11/17/2004
MW-EDC-1	51.8	49.8	68.1	57.3	53	65.4
MW-EDC-2	414	355	873	337	350	384
MW-EDC-3	269	216	450	202	243	263
MW-EDC-4	8560	8440	9090	8160	7960	6700
MW-EDC-5	847	961	1011	959	810	824
MW-EDC-6	7800	7920	8380	8050	6370	6480
MW-EDC-7	5910	5840	5920	5970	5620	5620
MW-EDC-8	10210	10910	11830	11820	11080	4010
MW-EDC-9	1941	1919	1939	1879	1765	1548
MW-EDC-10	1203	1229	1145	896	906	851
MW-EDC-11	776	790	774	705	724	717
MW-EDC-12	619	600	673	616	554	575
MW-EDC-13	1186	1210	1032	703	983	812
MW-EDC-14	907	916	911	884	964	777
MW-EDC-15	116.8	131.5	121.8	145	147	120.1
MW-EDC-16	549	448	525	517	529	430
MW-EDC-17	865	1247	1562	649	625	1340
MW-EDC-18	101.8	92.4	93.6	91.1	86.3	88.4
MW-EDC-19	376	147.9	174.5	178.8	142.9	129
MW-EDC-20	385	192.9	168.8	157.6	141	327
MW-EDC-21	121.6	94.8	91.6	88.4	93.2	80.1
MW-EDC-22	428	152.4	145.9	141.2	147.4	130.1

TABLE 4
EDC-MW-1 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-1

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/14/1996	9.7	--	1.7	4.1	--	0.0037	< 0.005	< 0.002	< 0.005	--	--
5/29/2001	5.1	< 0.5	1.83	3.67	42	< 0.04	< 0.02	--	--	--	--
11/1/2001	4.8	< 0.5	2.74	3.34	43	< 0.04	< 0.02	--	--	--	--
6/3/2002	5.5	< 0.5	2.01	4.66	83	< 0.02	< 0.02	< 0.02	< 0.02	--	--
10/30/2002	5.6	0.66	1.56	4.63	44	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	6.1	< 0.5	1.8	6.73	108	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/20/2003	4.77	< 0.5	2.40	3.79	46	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/24/2003	7.10	< 0.5	2.55	5.05	59	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/24/2003	5.26	< 0.5	3.18	6.52	68	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	5.11	< 0.5	1.47	5.85	64	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	5.25	0.56	1.6	6.19	53	< 0.015	< 0.02	< 0.015	< 0.02	--	--
3/16/2004	5.59	< 0.5	2.73	4.22	56	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/18/2004	5.51	< 0.5	4.79	6.57	35	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	6.16	< 0.5	3.68	3.88	80	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/14/2004	5.65	0.76	4.26	3.48	53	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
11/16/2004	5.11	< 0.5	3.81	3.9	58	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	< 0.02

"--" - Parameter not analyzed

TABLE 5
EDC-MW-2 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-2

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/14/1996	9.7	--	< 0.2	17	--	0.018	0.0342	< 0.002	< 0.005	--	--
5/29/2001	5.4	< 0.5	< 0.5	19.6	340	< 0.04	0.032	--	--	--	--
11/1/2001	5.3	< 0.5	< 0.5	22.9	300	< 0.04	< 0.02	--	--	--	--
6/3/2002	6.0	< 0.5	< 0.5	20	396	< 0.02	< 0.02	< 0.02	< 0.02	--	--
10/30/2002	6.1	< 0.5	< 0.5	25.7	517	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	6.7	< 0.5	< 0.5	24	305	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/20/2003	5.31	< 0.5	< 0.5	22.1	309	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/24/2003	7.26	< 0.5	< 0.5	22.9	370	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/24/2003	5.50	< 0.5	< 0.5	24.9	380	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	5.42	< 0.5	< 0.5	28.2	360	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	5.2	< 0.5	< 0.5	25.3	490	< 0.015	< 0.02	< 0.015	< 0.02	--	--
3/16/2004	5.47	< 0.5	< 0.5	20.9	311	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/18/2004	5.4	< 0.5	< 0.5	24	298	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	5.68	< 0.5	< 0.5	22.4	330	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/14/2004	5.44	< 0.5	< 0.5	24.3	340	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
11/16/2004	6.12	< 0.5	< 0.5	21.5	320	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	< 0.02

"--" - Parameter not analyzed

TABLE 6
EDC-MW-3 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-3

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/14/1996	8.0	--	< 0.2	10	--	0.0027	< 0.005	< 0.002	< 0.005	--	--
5/29/2001	6.2	< 0.5	< 0.5	10.6	180	< 0.04	< 0.02	--	--	--	--
11/1/2001	5.4	< 0.5	< 0.5	22.5	240	< 0.04	< 0.02	--	--	--	--
6/3/2002	6.4	< 0.5	< 0.5	11.4	228	< 0.02	< 0.02	< 0.02	< 0.02	--	--
10/30/2002	6.5	< 0.5	< 0.5	21.6	295	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	6.0	< 0.5	< 0.5	16.4	242	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/20/2003	6.05	< 0.5	< 0.5	12.5	207	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/24/2003	6.23	< 0.5	< 0.5	11.8	210	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/24/2003	5.97	< 0.5	< 0.5	27.7	250	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	5.81	< 0.5	< 0.5	23.5	220	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	5.59	< 0.5	< 0.5	26.9	270	< 0.015	< 0.02	< 0.015	< 0.02	--	--
3/16/2004	5.94	< 0.5	< 0.5	11.2	188	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/18/2004	5.86	< 0.5	< 0.5	9.75	176	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	5.92	< 0.5	< 0.5	13	260	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/14/2004	5.74	< 0.5	< 0.5	18.3	220	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
11/16/2004	5.96	< 0.5	< 0.5	18.8	260	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	< 0.02

"--" - Parameter not analyzed

TABLE 7
EDC-MW-4 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-4

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/14/1996	8.1	--	1.3	728	--	0.0025	< 0.005	< 0.002	< 0.005	--	--
8/8/2001	4.1	0.66	< 0.5	925	5100	< 0.04	< 0.02	--	--	--	--
10/30/2001	4.3	< 0.5	< 0.5	936	5200	0.06	0.04	--	--	--	--
6/3/2002	5.2	< 0.5	< 0.5	979	4862	< 0.02	< 0.02	< 0.02	< 0.02	--	--
10/30/2002	4.8	< 0.5	0.62	756	4240	0.02	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	4.4	< 0.5	2.4	976	5360	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/20/2003	4.33	< 0.5	< 0.5	936	4800	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/20/2003	--	< 0.5	< 0.5	1000	5150	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/24/2003	9.08	< 0.5	< 0.5	978	5300	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/24/2003	--	< 0.5	< 0.5	958	5400	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/24/2003	4.78	< 0.5	2.42	989	5200	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/24/2003	--	< 0.5	2.31	952	5200	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	4.13	< 0.5	2.05	848	5300	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	3.88	< 0.5	6.39	1040	5200	< 0.015	< 0.02	< 0.015	< 0.02	--	--
3/16/2004	4.1	< 0.5	< 0.5	919	5204	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/19/2004	4.05	< 0.5	1.45	1040	5300	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	4.35	< 0.5	< 0.5	973	5500	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/14/2004	4.44	0.68	< 0.5	943	5200	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
11/16/2004	4.26	< 0.5	< 0.5	874	4600	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	< 0.02

"--" - Parameter not analyzed

TABLE 8
EDC-MW-5 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-5

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/13/1996	5.8	--	4.4	441	--	< 0.002	< 0.005	< 0.002	< 0.005	--	--
8/8/2001	4.6	< 0.5	3.54	657	1000	< 0.04	< 0.02	--	--	--	--
10/30/2001	4.7	< 0.5	3.27	526	980	< 0.04	< 0.02	--	--	--	--
6/3/2002	6.3	< 0.5	3.35	650	934	< 0.02	< 0.02	< 0.02	< 0.02	--	--
10/30/2002	5.4	< 0.5	3.66	582	929	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	5.2	< 0.5	3.26	489	901	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/20/2003	4.75	< 0.5	3.60	654	845	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/24/2003	6.85	< 0.5	3.47	546	950	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/24/2003	4.82	< 0.5	3.53	560	950	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	4.79	< 0.5	2.40	416	780	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	5.03	<0.5	3.19	476	740	<0.015	<0.02	<0.015	<0.02	--	--
1/28/2004	--	<0.5	3.07	482	730	<0.015	<0.02	<0.015	<0.02	--	--
3/16/2004	5.13	<0.5	3.6	472	780	<0.015	<0.02	<0.015	<0.02	--	--
5/19/2004	5.85	<0.5	3.41	455	860	<0.015	<0.02	<0.015	<0.02	--	--
5/19/2004	--	<0.5	3.3	494	900	<0.015	<0.02	<0.015	<0.02	--	--
7/13/2004	4.96	<0.5	3.75	511	910	<0.015	<0.02	<0.015	<0.02	--	--
9/14/2004	6.7	0.59	3.75	515	700	<0.015	<0.02	<0.015	<0.02	<0.02	--
11/16/2004	5.28	<0.5	3.33	502	850	<0.015	<0.02	<0.015	<0.02	<0.02	<0.02

"--" - Parameter not analyzed

TABLE 9
EDC-MW-6 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-6

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/13/1996	7.7	--	51.1	24	--	0.0026	< 0.005	< 0.002	< 0.005	--	--
8/8/2001	4.3	0.5	298	18.3	2100	< 0.04	< 0.02	--	--	--	--
10/30/2001	4.3	< 0.5	326	15.7	2700	< 0.04	< 0.02	--	--	--	--
6/3/2002	6.1	< 0.5	459	12.1	290	< 0.02	< 0.02	< 0.02	< 0.02	--	--
10/30/2002	5.0	0.51	661	8.13	3840	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	4.6	< 0.5	580	7.15	3360	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	--	< 0.5	588	6.45	3280	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/21/2003	4.30	0.5	608	17.0	4020	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/24/2003	7.41	1.09	681	15.0	4600	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/24/2003	4.28	4.88	857	9.35	5100	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	4.53	5.72	865	10.7	4700	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	--	5.60	866	9.21	4900	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	4.36	12.3	826	17.2	5300	< 0.015	< 0.02	< 0.015	< 0.02	--	--
3/16/2004	4.4	13	826	17.2	5106	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/19/2004	5.04	21.4	815	13.4	5800	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	4.74	17.9	895	11.7	6100	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	--	17.5	868	11.7	6200	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/14/2004	5.51	20	1130	3.84	6300	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
11/16/2004	4.59	37.6	1140	4.4	7100	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	< 0.02

"--" - Parameter not analyzed

TABLE 10
EDC-MW-7 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-7

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/13/1996	8.1	--	282	380	--	0.0221	0.0078	0.0185	< 0.005	--	--
8/8/2001	9.7	184	336	316	1300	< 0.04	< 0.02	--	--	--	--
10/30/2001	3.5	< 0.5	189	322	1056	< 0.04	< 0.02	--	--	--	--
10/30/2001	--	< 0.5	186	325	1100	< 0.04	< 0.02	--	< 0.02	--	--
6/3/2002	4.4	190	361	363	1324	0.031	< 0.02	< 0.015	< 0.02	--	--
6/3/2002	--	205	358	360	1386	0.027	< 0.02	< 0.02	< 0.02	--	--
10/30/2002	4.2	167	294	345	1080	0.017	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	3.7	180	344	275	1316	< 0.015	< 0.02	0.016	< 0.02	--	--
12/10/2002	--	149	349	276	1350	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/21/2003	3.66	244	563	298	1850	0.02	< 0.02	0.017	< 0.02	--	--
7/24/2003	7.05	95.1	141	378	1400	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/24/2003	3.84	116	953	341	1700	0.02	< 0.02	0.018	< 0.02	--	--
11/19/2003	4.03	124	152	476	1500	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	3.99	147	300	644	1300	0.018	< 0.02	< 0.015	< 0.02	--	--
3/16/2004	3.98	190	310	496 ^φ	1280	0.018	< 0.02	0.017	< 0.02	--	--
5/19/2004	3.95	204	227	524	1500	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	3.99	73.4	150	498 ^φ	1600	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/14/2004	4.45	26.5	75.5	142 ^α	1000	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
9/14/2004	--	25.9	76	143 ^β	990	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
11/16/2004	3.97	219	270	428	1700	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	< 0.02

"--" - Parameter not analyzed

TABLE 11
EDC-MW-8 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-8

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/13/1996	7.9	--	1010	68.3	--	0.0234	< 0.005	0.0238	< 0.005	--	--
10/30/2001	3.9	0.94	1030	81.1	5000	< 0.04	< 0.02	--	--	--	--
6/3/2002	5.4	551	1070	77.8	4246	< 0.02	< 0.02	< 0.02	< 0.02	--	--
6/3/2002	--	551	1200	70.4	4378	0.031	< 0.02	< 0.02	< 0.02	--	--
10/30/2002	4.4	406	1330	151	4560	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	4.0	220	1080	46.2	5120	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	--	261	1030	47.6	5140	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/21/2003	3.99	214	1250	209	4200	0.019	< 0.02	0.019	< 0.02	--	--
5/21/2003	--	167	1270	162	4010	0.019	< 0.02	0.019	< 0.02	--	--
7/24/2003	6.04	179	472	904	3700	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/24/2003	--	177	478	913	3700	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/23/2003	3.93	157.5	524	870	3400	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/23/2003	--	153	539	899	3400	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	4.99	206	464	738	3200	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	4.29	45.7	142	854	1800	<0.015	<0.02	<0.015	<0.02	--	--
3/16/2004	4.18	88	203	805	2221	<0.015	<0.02	<0.015	<0.02	--	--
5/19/2004	4.07	120	298	789	2500	<0.015	<0.02	<0.015	<0.02	--	--
7/13/2004	4.48	120	354	767	2600	<0.015	<0.02	<0.015	<0.02	--	--
9/14/2004	3.99	107	302	743	2400	<0.015	<0.02	<0.015	<0.02	<0.02	--
11/16/2004	4.01	82.1	304	808	2800	<0.015	<0.02	<0.015	<0.02	<0.02	<0.02

"--" - Parameter not analyzed

TABLE 12
EDC-MW-9 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-9

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/14/1996	9	--	37.3	621	--	0.004	< 0.005	< 0.002	< 0.005	--	--
6/27/2001	5.4	< 0.5	28.8	520	1600	< 0.04	< 0.02	--	--	--	--
10/30/2001	5.5	< 0.5	26.7	514	2600	< 0.04	< 0.02	--	--	--	--
6/3/2002	6	< 0.5	24.4	639	1597	< 0.02	< 0.02	< 0.02	< 0.02	--	--
10/30/2002	6	18.8	59	655	1630	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	5.2	0.7	28.1	556	1680	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	--	< 0.5	31.5	555	1640	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/21/2003	5.33	< 0.5	26.3	568	1600	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/24/2003	7.05	< 0.5	28.4	547	1500	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/23/2003	5.24	< 0.5	146	531	1500	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	5.72	< 0.5	28.0	532	1600	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	5.53	< 0.5	29.2	575	1500	< 0.015	< 0.02	< 0.015	< 0.02	--	--
3/16/2004	5.88	< 0.5	30.6	528	1524	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/19/2004	5.47	< 0.5	27.4	517	1600	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	6.87	< 0.5	34.6	588	1600	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/14/2004	5.04	1.14	25.3	548	1500	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
11/16/2004	5.67	0.7	34	549	580	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	< 0.02

"--" - Parameter not analyzed

TABLE 13
EDC-MW-10 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-10

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/13/1996	7.7	--	257	89	--	0.0052	< 0.005	0.0039	< 0.005	--	--
6/27/2001	4.4	< 0.5	156	100	1300	< 0.04	0.025	--	--	--	--
10/30/2001	3.9	< 0.5	153	134	1400	< 0.04	0.04	--	--	--	--
6/3/2002	5.3	< 0.5	138	84.9	1122	< 0.02	< 0.02	< 0.02	< 0.02	--	--
10/30/2002	5.6	1.84	137	140	968	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	4.5	< 0.5	70.4	52.2	1120	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/21/2003	4.08	< 0.5	148	96.0	1140	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/24/2003	5.56	< 0.5	118	108	1000	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/23/2003	4.18	< 0.5	147	127	1000	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	4.38	< 0.5	119	104	970	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	4.6	< 0.5	126	129	1000	< 0.015	< 0.02	< 0.015	< 0.02	--	--
3/16/2004	5.01	< 0.5	125	128	1078	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/18/2004	5.07	< 0.5	123	139	1055	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	4.54	< 0.5	114	112	920	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/14/2004	4.7	0.77	123	137	1000	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
11/16/2004	4.79	< 0.5	94.4	71.1	800	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	< 0.02

"--" - Parameter not analyzed

TABLE 14
EDC-MW-11 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-11

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/13/1996	11.1	--	22.1	578	--	< 0.002	< 0.005	< 0.002	< 0.005	--	--
8/8/2001	4.3	4.21	7.99	611	1100	< 0.04	< 0.02	--	--	--	--
10/30/2001	4	< 0.5	21.9	334	610	< 0.04	< 0.02	--	--	--	--
6/3/2002	5.4	< 0.5	6.46	565	897	< 0.02	< 0.02	< 0.02	< 0.02	--	--
6/3/2002	--	3.9	5.81	586	968	< 0.02	< 0.02	< 0.015	< 0.02	--	--
10/30/2002	4.8	18	9.22	362	625	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	4.5	10.73	6.12	414	809	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/21/2003	4.45	7.84	6.02	333	576	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/24/2003	6.66	25.6	6.68	278	540	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/23/2003	4.29	5.25	4.24	397	660	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	4.61	12.0	6.26	289	570	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	--	14.3	6.85	276	340	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	5.04	19.6	6.72	303	520	< 0.015	< 0.02	< 0.015	< 0.02	--	--
3/16/2004	5	15	9.63	262	511	< 0.015	< 0.02	< 0.015	< 0.02	--	--
3/16/2004	--	18	8.79	278	535	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/18/2004	5.17	19.9	13.5	228	452	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	4.53	17.4	13.6	222	480	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/14/2004	4.61	14.5	9.85	247	480	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
11/17/2004	4.86	19.1	11.1	209	450	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	< 0.02

"--" - Parameter not analyzed

TABLE 15
EDC-MW-12 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-12

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/13/1996	6.1	--	< 0.2	9.6	--	< 0.002	< 0.005	< 0.002	< 0.005	--	--
6/27/2001	5.9	2.2	< 0.5	13	330	< 0.04	< 0.02	--	--	--	--
6/4/2002	6	0.9	< 0.5	4.85	510	< 0.02	< 0.02	< 0.02	< 0.02	--	--
6/4/2002	--	1.4	< 0.5	6.01	500	< 0.02	< 0.02	< 0.02	< 0.02	--	--
10/30/2002	6.1	4.2	< 0.5	21.6	382	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	5.8	2.3	< 0.5	12.5	424	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/21/2003	5.71	1.89	< 0.5	5.31	307	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/24/2003	4.76	1.74	< 0.5	18.7	380	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/24/2003	5.45	1.43	< 0.5	26	440	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	5.79	1.83	< 0.5	30.6	460	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	6.44	1.87	< 0.5	6.76	320	< 0.015	< 0.02	< 0.015	< 0.02	--	--
3/16/2004	5.96	2.2	< 0.5	4.04	252	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/19/2004	5.8	1.94	< 0.5	5.11	360	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	6.78	1.2	< 0.5	7.18	220	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/15/2004	5.8	2.38	< 0.5	23	440	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
11/16/2004	5.73	1.55	< 0.5	18.5	340	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	< 0.02

"--" - Parameter not analyzed

TABLE 16
EDC-MW-13 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-13

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/13/1996	5.6	--	0.2	809	--	< 0.002	< 0.005	< 0.002	< 0.005	--	--
6/5/2001	5.6	< 0.5	< 0.5	538	1400	< 0.04	< 0.02	--	--	--	--
10/30/2001	5.3	< 0.5	< 0.5	606	1300	< 0.04	< 0.02	--	--	--	--
6/4/2002	5.7	< 0.5	< 0.5	372	718	< 0.02	< 0.02	< 0.02	< 0.02	--	--
10/30/2002	6.1	1.28	< 0.5	538	1030	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	5.5	< 0.5	< 0.5	598	1320	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/20/2003	5.51	< 0.5	< 0.5	697	1330	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/23/2003	6.05	< 0.5	< 0.5	358	820	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/24/2003	4.70	0.71	< 0.5	458	920	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	4.91	< 0.5	0.62	310	680	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	5.02	< 0.5	< 0.5	565	1100	< 0.015	< 0.02	< 0.015	< 0.02	--	--
3/16/2004	5.19	< 0.5	< 0.5	550	1175	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/18/2004	5.27	< 0.5	< 0.5	296	647	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	6.02	< 0.5	< 0.5	510	1100	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/14/2004	5.03	0.5	< 0.5	416	940	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
9/14/2004	--	0.51	< 0.5	425	960	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
11/16/2004	4.83	< 0.5	< 0.5	250	1500	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	< 0.02

"--" - Parameter not analyzed

TABLE 17
 EDC-MW-14 ANALYTICAL SUMMARY
 EL DORADO CHEMICAL COMPANY
 EL DORADO, ARKANSAS

EDC-MW-14

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/13/1996	4.6	--	11.9	139	--	< 0.002	< 0.005	< 0.002	< 0.005	--	--
8/8/2001	4.3	< 0.5	75	175	1000	< 0.04	< 0.02	--	--	--	--
10/30/2001	4.5	< 0.5	25.2	211	790	< 0.04	< 0.02	--	--	--	--
6/4/2002	5.6	< 0.5	26.5	187	675	< 0.02	< 0.02	< 0.02	< 0.02	--	--
10/30/2002	6.3	5.32	17	288	669	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	5.3	< 0.5	23.4	230	709	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/20/2003	4.85	< 0.5	44.9	227	865	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/23/2003	4.62	< 0.5	23.1	221	750	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/23/2003	5.00	< 0.5	20.3	275	700	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	4.92	< 0.5	16.1	227	740	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	5.19	< 0.5	24.5	262	710	0.028	0.022	< 0.015	< 0.02	--	--
3/16/2004	5.34	< 0.5	33.4	211	792	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/18/2004	5.23	< 0.5	32.6	234	784	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	5.05	< 0.5	45.7	226	820	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	--	< 0.5	47.8	234	840	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/14/2004	4.72	< 0.5	52.7	232	900	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
11/16/2004	4.88	< 0.5	21.7	168	660	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	< 0.02

"--" - Parameter not analyzed

TABLE 18
EDC-MW-15 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-15

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/13/1996	6.4	--	34.5	4.4	--	< 0.002	< 0.005	< 0.002	< 0.005	--	--
8/8/2001	4.3	< 0.5	19.1	7.8	140	< 0.04	< 0.02	--	--	--	--
10/30/2001	4.3	< 0.5	12.6	10.2	110	< 0.04	< 0.02	--	--	--	--
6/4/2002	5.4	< 0.5	10.7	11.1	100	< 0.02	< 0.02	< 0.02	< 0.02	--	--
10/30/2002	5.4	1.16	18.2	9.22	120	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	5.8	0.5	12.2	10.8	120	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/20/2003	4.75	< 0.5	9.45	13	66	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/23/2003	4.77	< 0.5	7.63	12.8	100	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/23/2003	4.49	< 0.5	9.62	11.8	180	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	4.89	< 0.5	9.81	12.6	100	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	5.56	3.96	4.52	18.6	81	< 0.015	< 0.02	< 0.015	< 0.02	--	--
3/16/2004	5.68	< 0.5	7.66	13.9	97	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/18/2004	5.75	< 0.5	6.82	15.2	83	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	5.39	< 0.5	9.52	11	110	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/14/2004	4.67	0.61	8.22	13.2	100	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
11/16/2004	4.92	< 0.5	7.42	11.8	110	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	< 0.02

"--" - Parameter not analyzed

TABLE 19
EDC-MW-16 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-16

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/13/1996	5.7	--	137	4.6	--	0.0036	< 0.005	0.0034	< 0.005	--	--
6/5/2001	4.3	4.61	134	5.09	1100	< 0.04	< 0.02	--	--	--	--
10/30/2001	3.9	< 0.5	58.4	6.44	330	< 0.04	< 0.02	--	--	--	--
6/4/2002	5.0	6.2	72.5	7.19	396	< 0.02	< 0.02	< 0.02	< 0.02	--	--
6/4/2002	--	5.0	72.6	6.82	404	< 0.02	< 0.02	< 0.015	< 0.02	--	--
10/30/2002	5.0	11.6	72	9.21	263	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	5.9	2.99	89.4	5.64	595	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/20/2003	4.42	3.69	90.8	6.55	555	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/23/2003	4.81	6.45	72.3	7.15	430	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/23/2003	4.31	5.97	72.8	7.09	400	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	4.99	8.61	44.3	9.78	230	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	5.61	5.66	59	9.84	280	< 0.015	< 0.02	< 0.015	< 0.02	--	--
3/16/2004	5.83	8.39	34.8	11.2	180	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/18/2004	5.95	10.4	31.9	13.3	167	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/18/2004	--	11.5	31.5	13.8	135	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	5.5	9.35	40.2	7.7	160	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/14/2004	4.49	8.57	47.1	7.83	190	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
11/16/2004	5.08	6.49	38.2	8.11	310	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	< 0.02
11/16/2004	--	6.87	28.3	8.02	270	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	< 0.02

"--" - Parameter not analyzed

TABLE 20
EDC-MW-17 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-17

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/13/1996	4.9	--	45	145	--	< 0.002	< 0.005	< 0.002	< 0.005	--	--
6/5/2001	4.4	1.16	54.2	87.7	600	< 0.04	< 0.02	--	--	--	--
10/30/2001	4.1	< 0.5	106	11.5	760	< 0.04	< 0.02	--	--	--	--
6/4/2002	5.1	< 0.5	83.4	8.04	603	< 0.02	< 0.02	< 0.02	< 0.02	--	--
10/30/2002	5.1	2.36	92	9.53	540	< 0.015	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	5.6	1.22	101	28.2	751	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/20/2003	4.54	< 0.5	83.6	17.1	603	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/23/2003	4.74	0.58	74.7	9.31	548	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/23/2003	5.25	< 0.5	64.3	6.98	400	< 0.015	< 0.02	< 0.015	< 0.02	--	--
11/19/2003	5.28	0.55	77.3	11.8	530	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	6.54	< 0.5	81.3	42.8	560	< 0.015	< 0.02	< 0.015	< 0.02	--	--
3/16/2004	6.62	8.14	129	64	983	< 0.015	< 0.02	< 0.015	< 0.02	--	--
5/18/2004	6.73	8.05	134	60.1	944	< 0.015	< 0.02	< 0.015	< 0.02	--	--
7/13/2004	6.57	< 0.5	67.6	6.54	460	< 0.015	< 0.02	< 0.015	< 0.02	--	--
9/14/2004	4.4	1.42	78.4	3.14	570	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	--
11/16/2004	5.41	9.55	219	54.8	1800	< 0.015	< 0.02	< 0.015	< 0.02	< 0.02	< 0.02

"--" - Parameter not analyzed

TABLE 21
EDC-MW-18 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-18

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
3/14/1996	6.6	--	0.4	3.3	--	0.017	0.0194	< 0.002	< 0.005	--	--
10/30/2001	5.4	< 0.5	< 0.5	3.74	300	< 0.04	0.05	--	--	--	--
6/4/2002	6.2	< 0.5	< 0.5	8.38	796	0.115	0.147	< 0.02	0.137	--	--
10/30/2002	6.3	0.43	< 0.5	3.22	258	0.018	< 0.02	< 0.015	< 0.02	--	--
12/10/2002	6.4	< 0.5	< 0.5	5.01	495	< 0.015	0.02	< 0.015	< 0.02	--	--
5/21/2003	6.01	0.59	< 0.5	7.08	786	0.029	0.02	< 0.015	< 0.02	--	--
7/23/2003	5.38	< 0.5	113	115	2000	0.029	0.047	< 0.015	< 0.02	--	--
9/24/2003	5.54	5.79	< 0.5	3.81	590	0.025	0.036	< 0.015	0.026	--	--
11/19/2003	5.90	< 0.5	< 0.5	9.68	300	< 0.015	< 0.02	< 0.015	< 0.02	--	--
1/28/2004	6.17	--	--	--	--	--	--	--	--	--	--
3/16/2004	6.4	< 0.5	< 0.5	7.01	666	0.021	0.027	< 0.015	0.021	--	--
5/19/2004	6.43	< 0.5	< 0.5	5.63	720	0.063	0.088	< 0.015	< 0.02	--	--
7/13/2004	6.05	< 0.5	< 0.5	5.68	1100	0.033	0.043	< 0.015	< 0.02	--	--
9/15/2004	5.89	0.56	< 0.5	3.88	1200	0.109	0.12	0.038	0.05	0.213	--
11/17/2004	5.96	< 0.5	< 0.5	4.61	1100	< 0.015	0.027	< 0.015	< 0.02	0.045	< 0.02
11/17/2004	--	< 0.5	< 0.5	4.85	1100	0.03	0.043	< 0.015	< 0.02	0.079	< 0.02

"--" - Parameter not analyzed

TABLE 22
EDC-MW-19 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-19

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
1/28/2004	6.73	0.64	<0.5	8.32	1400	0.122	0.077	0.045	0.077	--	--
3/16/2004	6.49	<0.5	<0.5	6.38	238	0.019	<0.02	<0.015	<0.02	--	--
3/16/2004	--	<0.5	<0.5	7.63	164	0.021	<0.02	<0.015	<0.02	--	--
5/19/2004	6.19	<0.5	<0.5	9.05	220	<0.015	<0.02	<0.015	<0.02	--	--
7/13/2004	6.37	<0.5	<0.5	6.85	180	<0.015	<0.02	<0.015	<0.02	--	--
9/15/2004	6.23	0.54	<0.5	4.11	120	<0.015	<0.02	<0.015	<0.02	<0.02	--
11/17/2004	6.02	<0.5	<0.5	4.63	130	<0.015	<0.02	<0.015	<0.02	<0.02	<0.02

"--" - Parameter not analyzed

TABLE 23
EDC-MW-20 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-20

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
1/28/2004	5.93	<0.5	<0.5	11.4	730	0.024	0.034	<0.015	<0.02	--	--
3/16/2004	6.51	<0.5	<0.5	15.9	186	<0.015	<0.02	<0.015	<0.02	--	--
5/19/2004	6.23	<0.5	<0.5	10.6	140	<0.015	<0.02	<0.015	<0.02	--	--
7/13/2004	5.8	<0.5	<0.5	17.2	130	<0.015	<0.02	<0.015	<0.02	--	--
9/15/2004	5.61	0.86	<0.5	17.2	120	<0.015	<0.02	<0.015	<0.02	<0.02	--
11/17/2004	5.36	<0.5	<0.5	13.5	160	<0.015	<0.02	<0.015	<0.02	<0.02	<0.02

"--" - Parameter not analyzed

TABLE 24
EDC-MW-21 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-21

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
1/28/2004	5.56	<0.5	1.63	8.17	82	0.169	0.837	<0.015	<0.02	--	--
3/16/2004	6.34	<0.5	0.54	3.62	130	<0.015	0.028	<0.015	<0.02	--	--
5/19/2004	6.75	<0.5	2.15	4.59	110	0.029	0.07	<0.015	<0.02	--	--
7/13/2004	6.39	<0.5	2.5	3.74	103	0.032	0.056	<0.015	<0.02	--	--
9/15/2004	5.47	0.81	4.65	4.15	150	<0.015	0.029	<0.015	<0.02	<0.02	--
11/17/2004	5.96	<0.5	2.97	3.14	110	<0.015	0.047	<0.015	<0.02	<0.02	<0.02

"--" - Parameter not analyzed

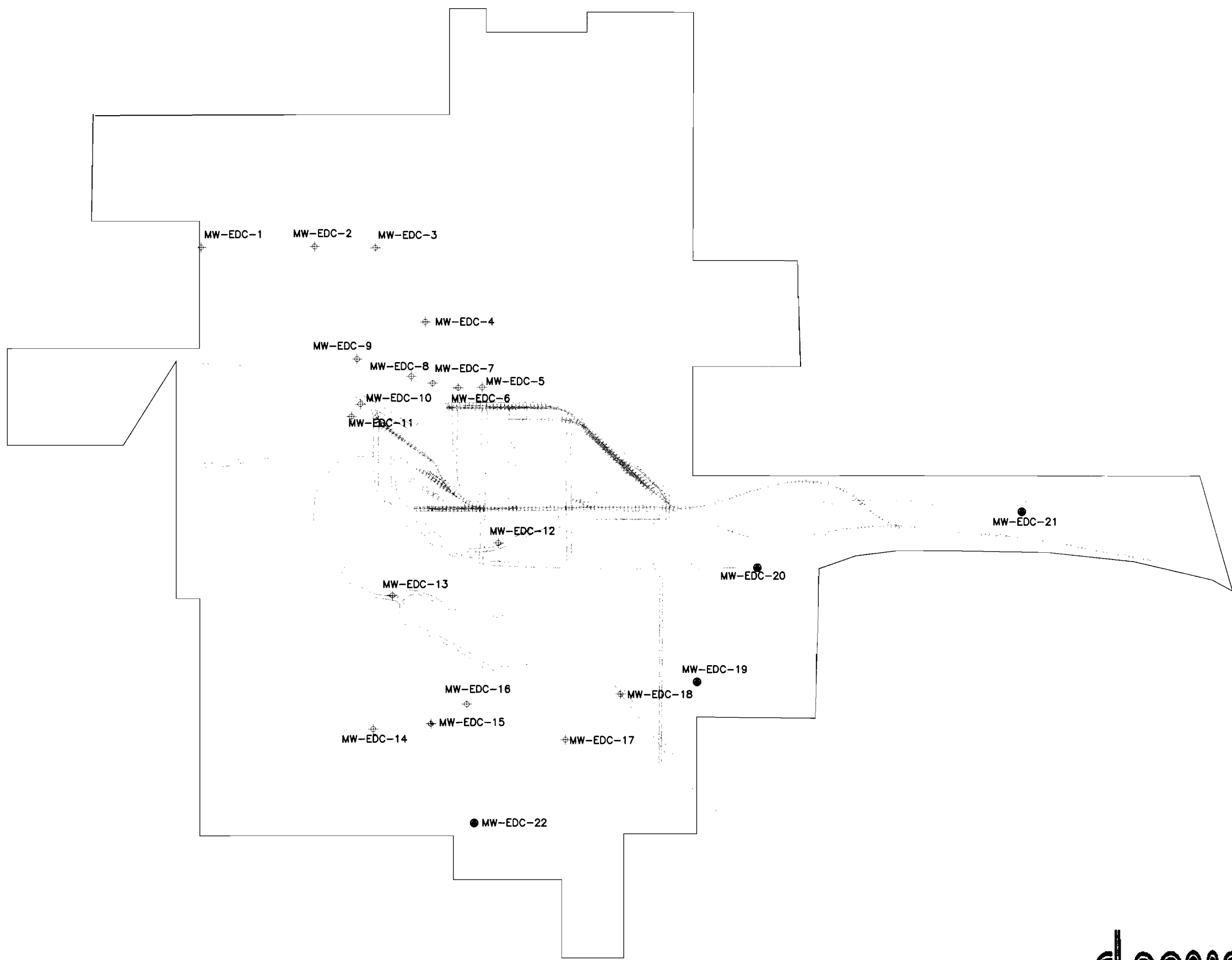
TABLE 25
EDC-MW-22 ANALYTICAL SUMMARY
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

EDC-MW-22

Sample Date	pH	Ammonia-N	Nitrate-N	Sulfate	Total Dissolved Solids	Total Lead	Total Chromium	Dissolved Lead	Dissolved Chromium	Vanadium (Total)	Vanadium (Dissolved)
	s.u.	mg/L									
1/28/2004	7.68	0.61	0.53	6.62	540	0.021	0.021	<0.015	<0.02	--	--
1/28/2004	--	<0.5	0.52	6.62	610	0.021	0.023	<0.015	<0.02	--	--
3/16/2004	6.65	<0.5	0.66	2.88	<1	<0.015	<0.02	<0.015	<0.02	--	--
5/18/2004	6.76	<0.5	0.95	3.74	136	<0.015	<0.02	<0.015	<0.02	--	--
7/13/2004	6.74	<0.5	<0.5	3.8	140	<0.015	<0.02	<0.015	<0.02	--	--
9/14/2004	5.84	0.7	<0.5	2.94	170	<0.015	<0.02	<0.015	<0.02	<0.02	--
11/16/2004	6.95	<0.5	<0.5	2.51	180	<0.015	<0.02	<0.015	<0.02	<0.02	<0.02

"--" - Parameter not analyzed

FIGURES

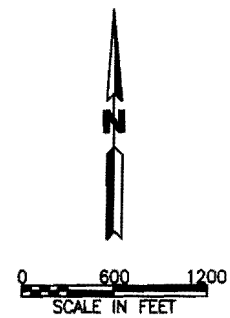
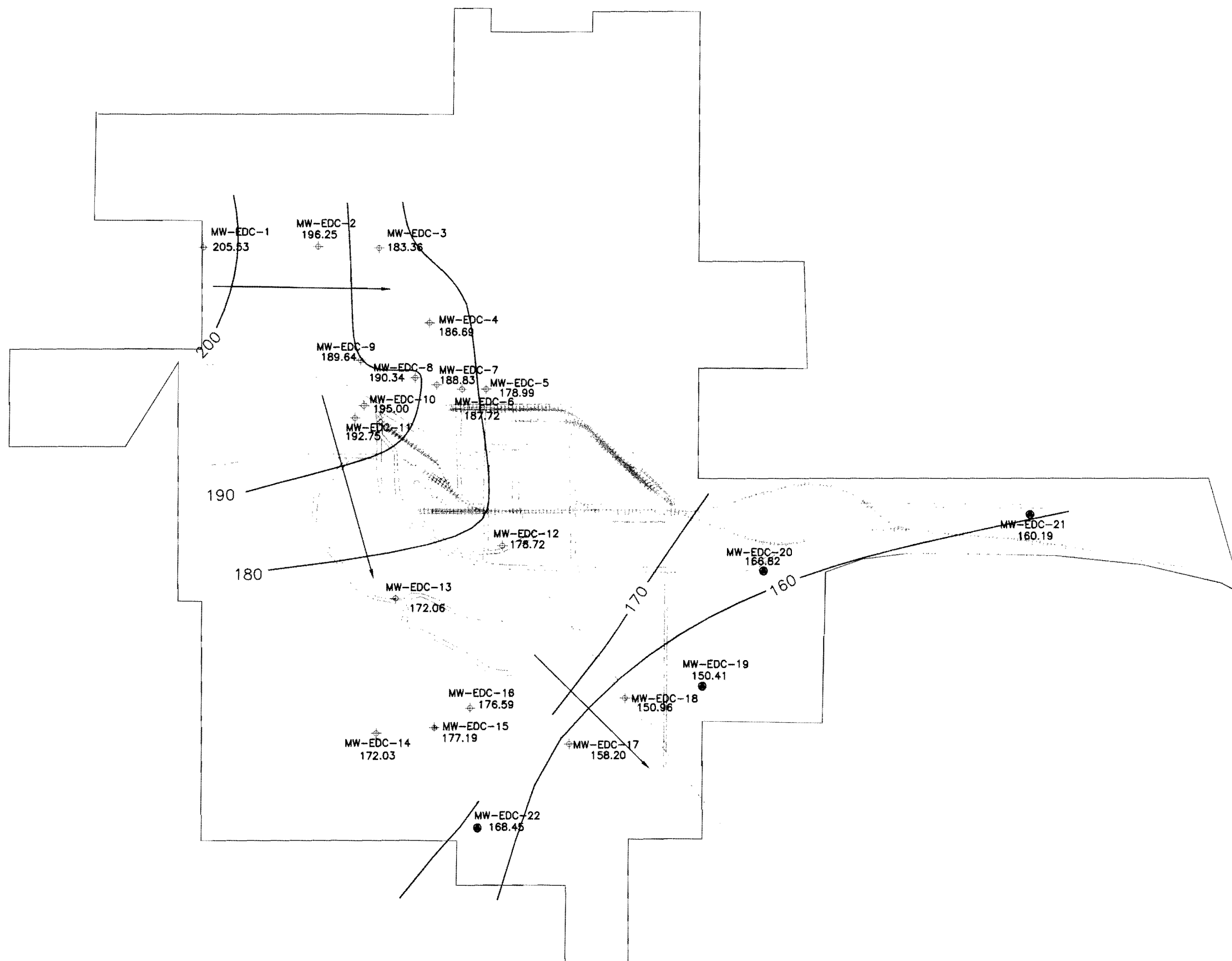


LEGEND

⊕ MW-EDC-4	Existing wells installed February 1996
● MW-EDC-22	New wells installed January 2004

SITE MAP			
2004 ANNUAL GROUND WATER REPORT EL DORADO CHEMICAL COMPANY EL DORADO, ARKANSAS			
DATE:	6-23-05	APPROVED:	SC
SCALE:	see above	BY:	LZB/MS
		DRAWN BY:	LMM
		CAD NO.	03EC200
ENVIRONMENTAL MANAGEMENT SERVICES, INC.			FIGURE 1





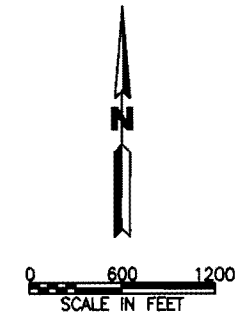
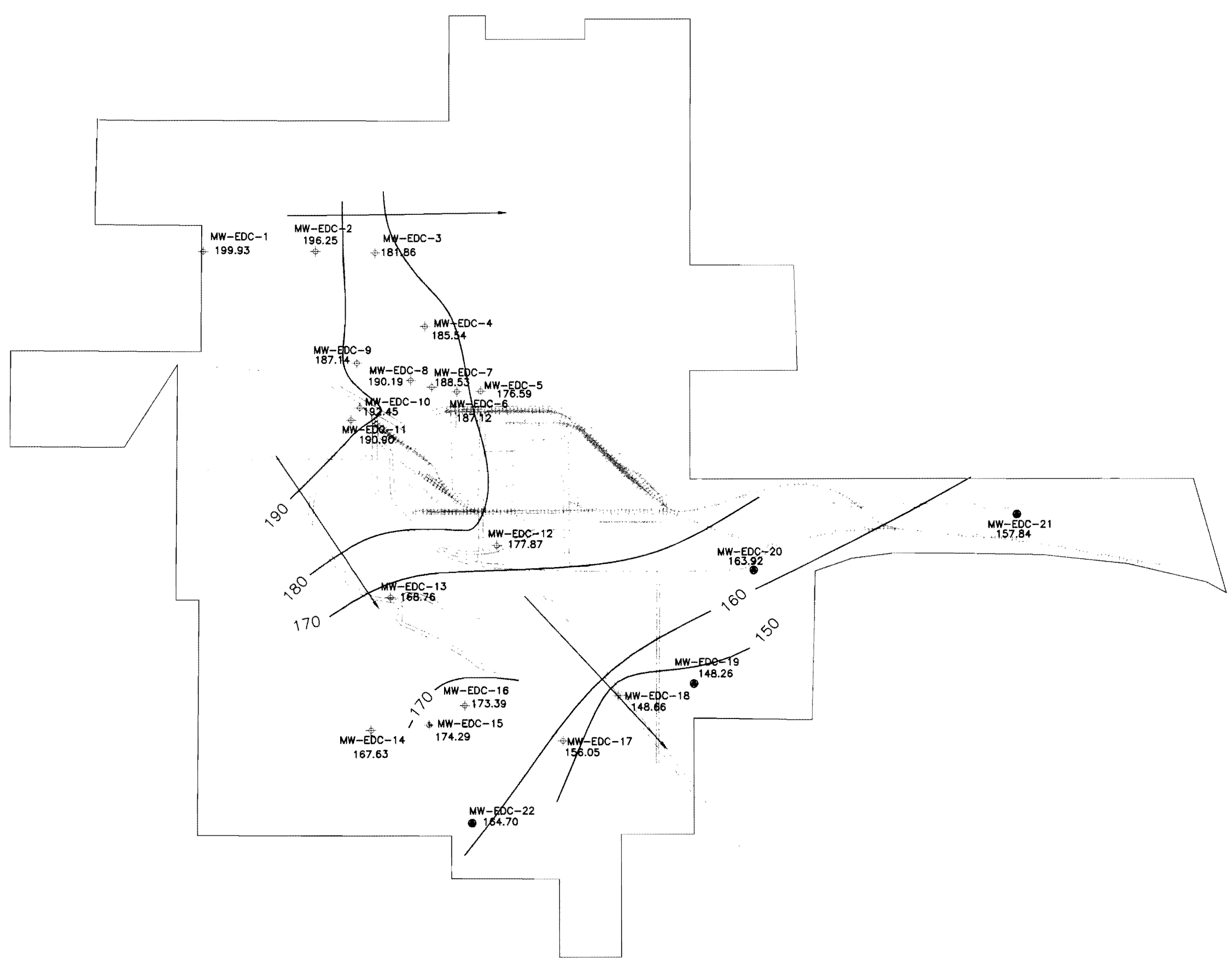
LEGEND

- Monitor Well with Water Elevation (feet MSL)
- Ground Water Flow Direction

MEASUREMENTS TAKEN MARCH 15-16, 2004

GROUND WATER ELEVATION MAP MARCH 2004		
2004 ANNUAL GROUND WATER REPORT EL DORADO CHEMICAL COMPANY EL DORADO, ARKANSAS		
DATE: 5-16-05	APPROVED: SC	DRAWN BY: LMM
SCALE: see above	DATE: 6/30/05	CAD NO. 02ECO100
ENVIRONMENTAL MANAGEMENT SERVICES, INC.		FIGURE 2

EL DORADO



LEGEND

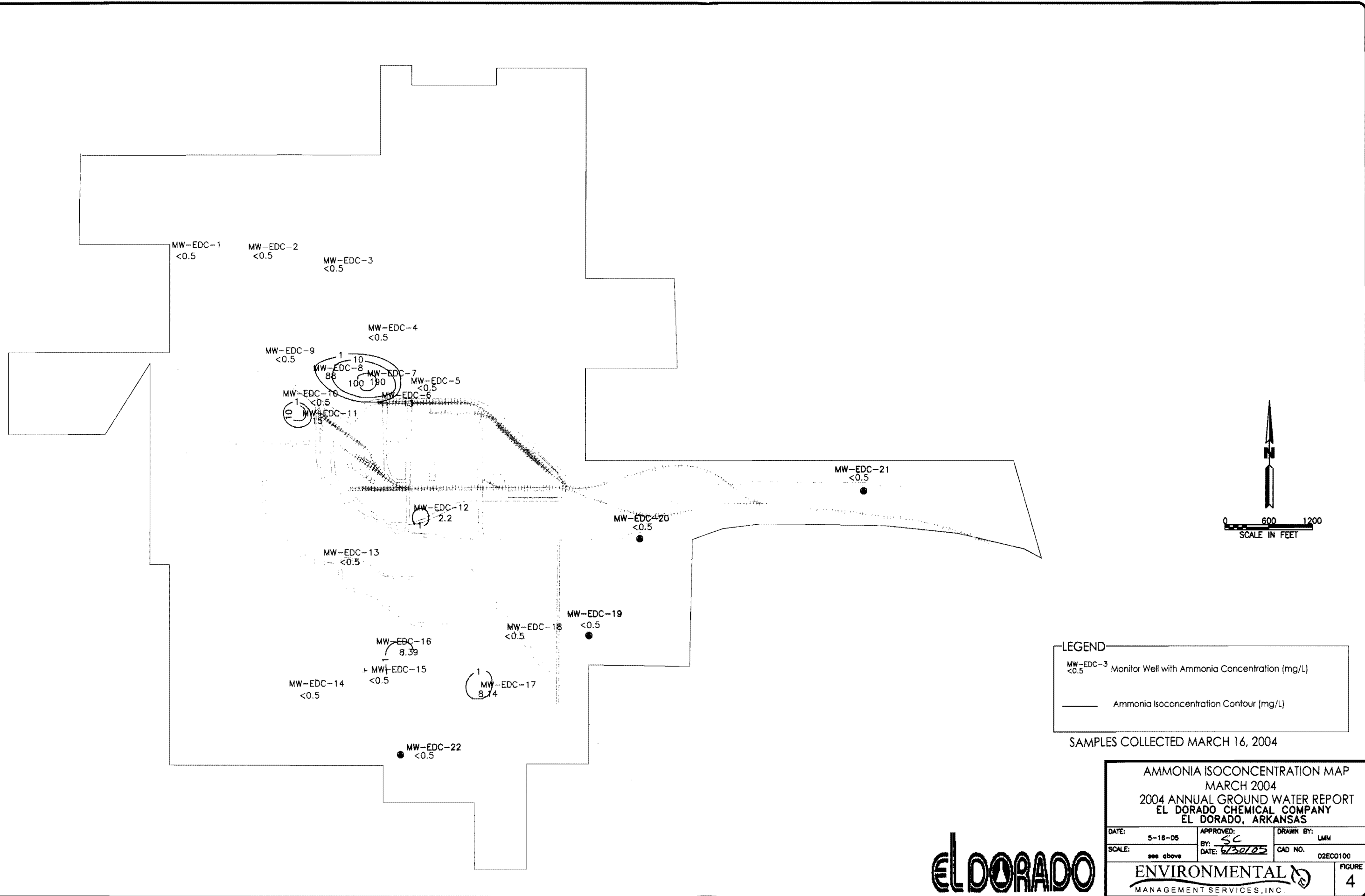
- + MW-EDC-4
185.54 Monitor Well with Water Elevation (feet MSL)
- Ground Water Flow Direction

MEASUREMENTS TAKEN SEPTEMBER 13-15, 2004

GROUND WATER ELEVATION MAP SEPTEMBER 2004 2004 ANNUAL GROUND WATER REPORT EL DORADO CHEMICAL COMPANY EL DORADO, ARKANSAS		
DATE: 5-16-05	APPROVED: By: <i>SC</i> DATE: <i>6/30/05</i>	DRAWN BY: LMM
SCALE: see above	CAD NO. 02EC0100	FIGURE 3

EL DORADO

ENVIRONMENTAL
MANAGEMENT SERVICES, INC.



LEGEND

MW-EDC-3
<0.5 Monitor Well with Ammonia Concentration (mg/L)

Ammonia Isoconcentration Contour (mg/L)

SAMPLES COLLECTED MARCH 16, 2004

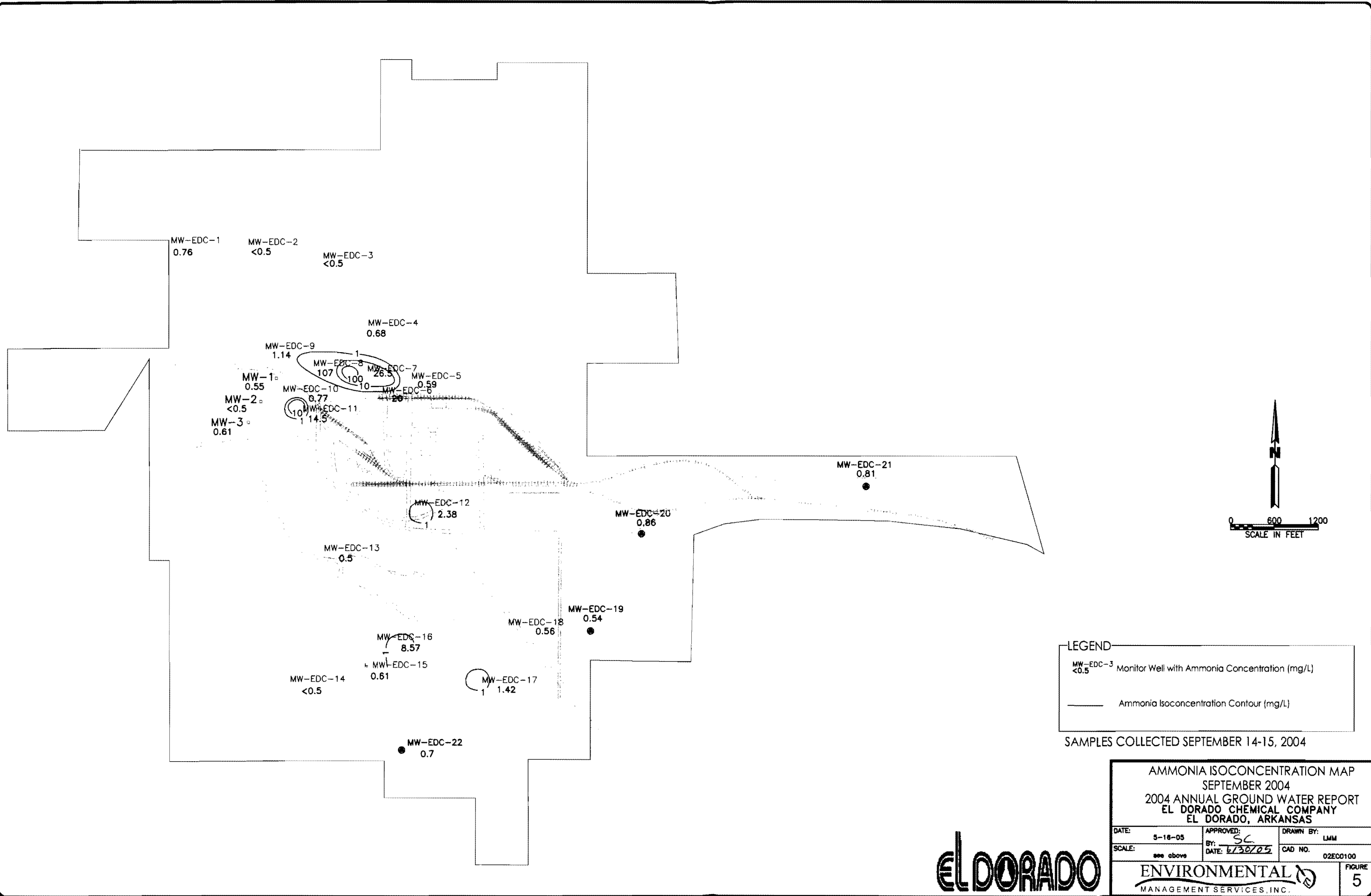
AMMONIA ISOCONCENTRATION MAP
MARCH 2004
2004 ANNUAL GROUND WATER REPORT
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

DATE: 5-18-05	APPROVED: SC	DRAWN BY: LMM
SCALE: see above	BY: SC DATE: 6/30/05	CAD NO. D2EC0100

ENVIRONMENTAL MANAGEMENT SERVICES, INC.

FIGURE 4





LEGEND

MW-EDC-3
<0.5 Monitor Well with Ammonia Concentration (mg/L)

Ammonia Isoconcentration Contour (mg/L)

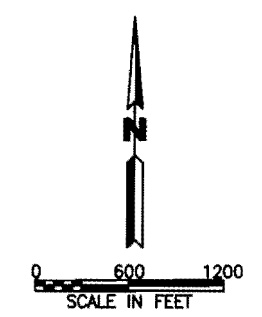
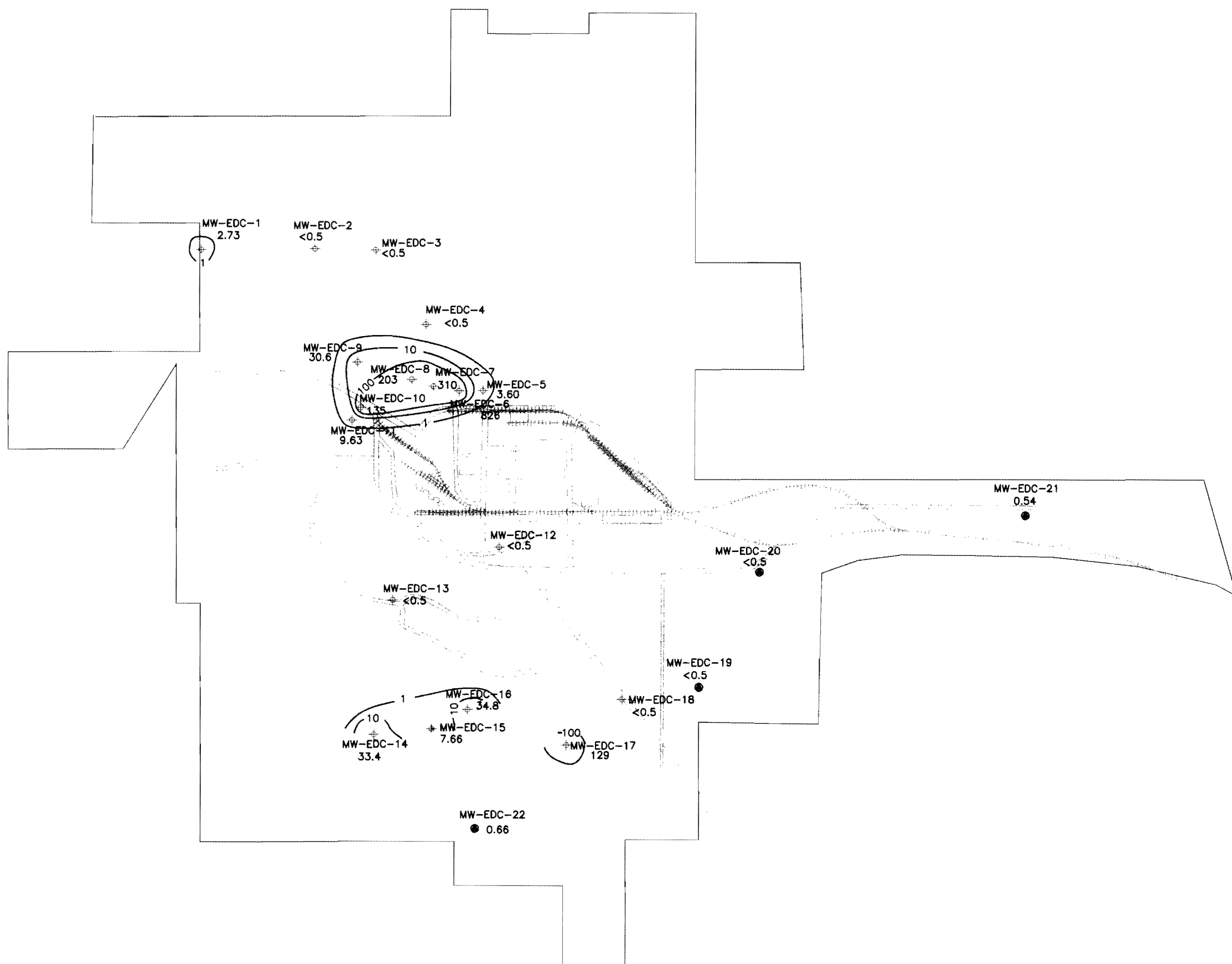
SAMPLES COLLECTED SEPTEMBER 14-15, 2004

AMMONIA ISOCONCENTRATION MAP
 SEPTEMBER 2004
 2004 ANNUAL GROUND WATER REPORT
 EL DORADO CHEMICAL COMPANY
 EL DORADO, ARKANSAS

DATE: 5-18-05	APPROVED: SC	DRAWN BY: LMM
SCALE: see above	BY: DATE: 6/30/05	CAD NO. 02ECO100

ENVIRONMENTAL MANAGEMENT SERVICES, INC.





LEGEND

- ⊕ MW-EDC-3 <0.5 Monitor Well with Ammonia Concentration (mg/L)
- Ammonia Isoconcentration Contour (mg/L)

SAMPLES COLLECTED MARCH 16, 2004

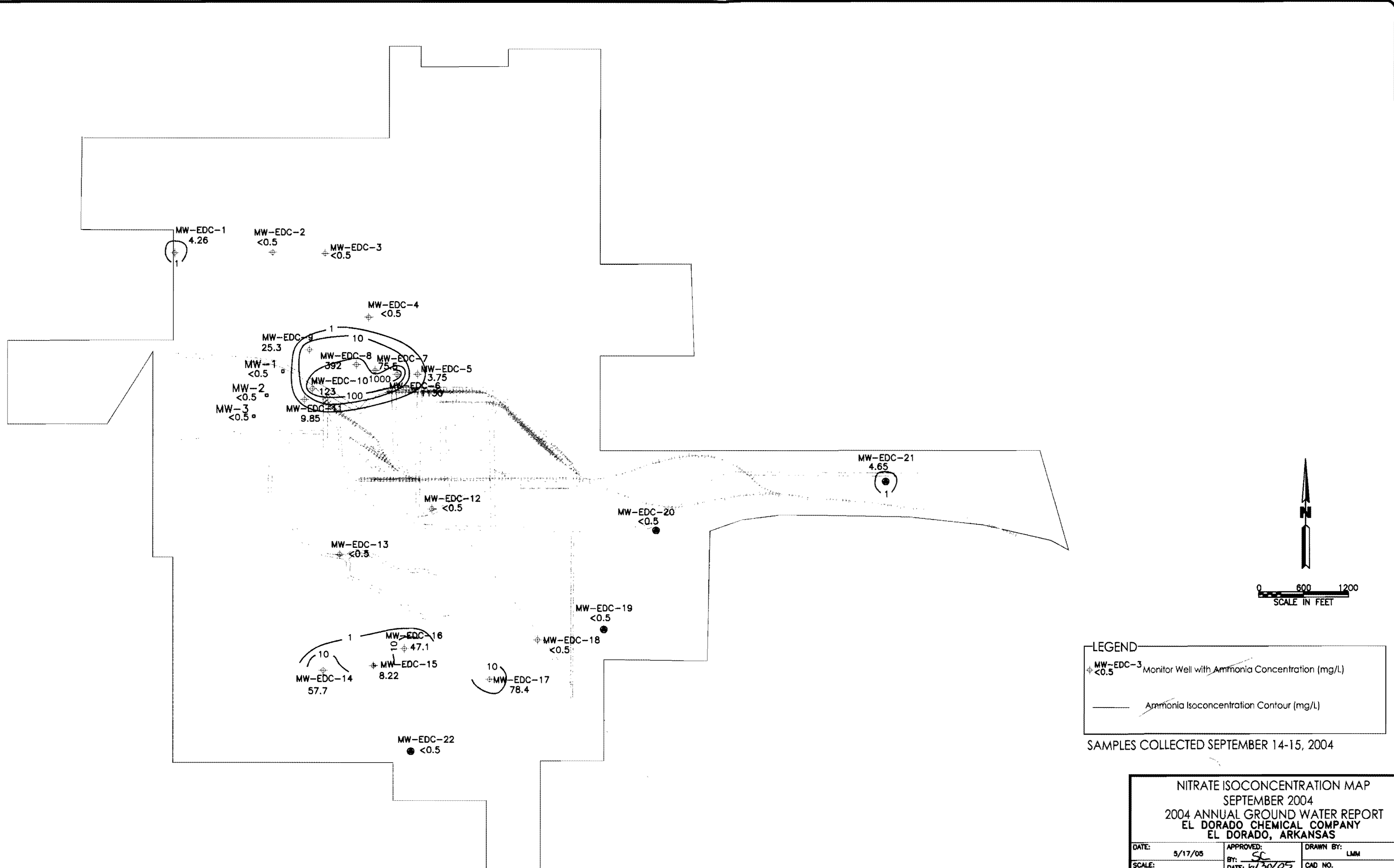
NITRATE ISOCONCENTRATION MAP
MARCH 2004
2004 ANNUAL GROUND WATER REPORT
EL DORADO CHEMICAL COMPANY
EL DORADO, ARKANSAS

DATE: 5/17/05	APPROVED: SC	DRAWN BY: LMM
SCALE: see above	DATE: 6/30/05	CAD NO. 02EC0100

ENVIRONMENTAL
MANAGEMENT SERVICES, INC.

FIGURE
6





LEGEND
 ⊕ MW-EDC-3 <0.5 Monitor Well with Ammonia Concentration (mg/L)
 — Ammonia Isoconcentration Contour (mg/L)

SAMPLES COLLECTED SEPTEMBER 14-15, 2004

NITRATE ISOCONCENTRATION MAP
 SEPTEMBER 2004
 2004 ANNUAL GROUND WATER REPORT
 EL DORADO CHEMICAL COMPANY
 EL DORADO, ARKANSAS

DATE: 5/17/05	APPROVED: <i>SC</i>	DRAWN BY: LMM
SCALE: see above	DATE: 12/30/05	CAD NO. 02EC0100

ENVIRONMENTAL
 MANAGEMENT SERVICES, INC.

FIGURE
7



APPENDIX A
LABORATORY ANALYTICAL REPORTS

El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

11701 I-30 Bldg. 1, Ste. 115 • Little Rock, AR 72209
501.455.3233 • Fax 501.455.6118

Re: 2004 1st Quarter Groundwaters
Description: Thirteen water samples received 1/29/04

ANALYTICAL RESULTS

Lab Number:		K401551	K401552	K401553	K401554
Sample ID:		Field Blank	Trip Blank	ECMW-8	ECMW-9
Date/Time Collected:		1/28/04,1100	-	1/28/04,1145	1/28/04,1130
Wet Chemistry					
Ammonia-N	mg/L	< 0.5	< 0.5	45.7	< 0.5
Date/Time Analyzed		2/2/04,0900	2/2/04,0900	2/2/04,0900	2/2/04,0900
TDS	mg/L	< 1.0	< 1.0	1800	1500
Date/Time Analyzed		2/2/04,1430	2/2/04,1430	2/2/04,1430	2/2/04,1430
Anions					
Nitrate-N	mg/L	< 0.5	< 0.5	142	29.2
Sulfate	mg/L	< 0.5	< 0.5	854	575
Date/Time Analyzed		1/30/04,0013 2/2/04,1447	1/30/04,0033 2/2/04,1447	1/30/04,0054 2/2/04,1456	1/30/04,0114 2/2/04,1525,1541
Lab Number:		K401555	K401556	K401557	K401558
Sample ID:		ECMW-10	ECMW-11	ECMW-13	ECMW-14
Date/Time Collected:		1/28/04,1115	1/28/04,1100	1/28/04,1045	1/28/04,1030
Wet Chemistry					
Ammonia-N	mg/L	< 0.5	19.6	< 0.5	< 0.5
Date/Time Analyzed		2/2/04,0900	2/2/04,0900	2/2/04,0900	2/2/04,0900
TDS	mg/L	1000	520	1100	710
Date/Time Analyzed		2/2/04,1430	2/2/04,1430	2/2/04,1430	2/2/04,1430
Anions					
Nitrate-N	mg/L	126	6.72	< 0.5	24.5
Sulfate	mg/L	129	303	656	262
Date/Time Analyzed		1/30/04,0156 2/2/04,1554,1609	1/30/04,0237 2/2/04,1623,1638	1/30/04,0318 2/2/04,1722,1736	1/30/04,0440 2/2/04,1751,1806

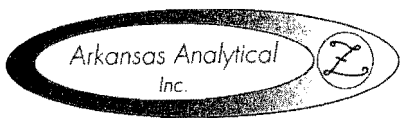
El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 1st Quarter Groundwaters
 Description: Thirteen water samples received 1/29/04

ANALYTICAL RESULTS

Lab Number:	K401559	K401560	K401561	K401562	
Sample ID:	ECMW-15	ECMW-16	ECMW-22	ECMW-17	
Date/Time Collected:	1/28/04,1015	1/28/04,1000	1/28/04,0940	1/28/04,0930	
Wet Chemistry					
Ammonia-N	mg/L	3.96	5.66	0.61	< 0.5
Date/Time Analyzed		2/2/04,1330	2/2/04,1330	2/2/04,1330	2/2/04,1330
TDS	mg/L	81	280	540	560
Date/Time Analyzed		2/2/04,1430	2/2/04,1430	2/2/04,1430	2/2/04,1430
Anions					
Nitrate-N	mg/L	4.52	59.0	0.53	81.3
Sulfate	mg/L	18.6	9.84	6.62	42.8
Date/Time Analyzed		1/30/04,0521	1/30/04,0542	1/30/04,0644	1/30/04,0623
		2/2/04,1820	2/2/04,1835,1849	2/2/04,1904	2/2/04,1933

Lab Number:	K401563	
Sample ID:	ECMW-22 Dup	
Date/Time Collected:	1/28/04,0940	
Wet Chemistry		
Ammonia-N	mg/L	< 0.5
Date/Time Analyzed		2/2/04,1330
TDS	mg/L	610
Date/Time Analyzed		2/2/04,1430
Anions		
Nitrate-N	mg/L	0.52
Sulfate	mg/L	6.62
Date/Time Analyzed		1/30/04,0725
		2/2/04,2130



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

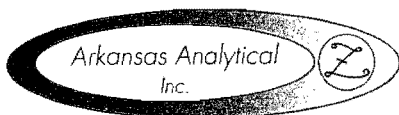
Re: 2004 1st Quarter Groundwaters
 Description: Thirteen water samples received 1/29/04

ANALYTICAL RESULTS

Lab Number:	K401551	K401552	K401553		
Sample ID:	Field Blank	Trip Blank	ECMW-8	Date/Time	
Date/Time Collected:	1/28/04,1100	-	1/28/04,1145	Analyzed	
Metals					
Total Chromium	mg/L	< 0.02	< 0.02	< 0.02	1/30/04,0900
Total Lead	mg/L	< 0.015	< 0.015	< 0.015	1/30/04,0900
Dissolved Chromium	mg/L	< 0.02	< 0.02	< 0.02	2/3/04,1000
Dissolved Lead	mg/L	< 0.015	< 0.015	< 0.015	2/3/04,1000

Lab Number:	K401554	K401555	K401556		
Sample ID:	ECMW-9	ECMW-10	ECMW-11	Date/Time	
Date/Time Collected:	1/28/04,1130	1/28/04,1115	1/28/04,1100	Analyzed	
Metals					
Total Chromium	mg/L	< 0.02	< 0.02	< 0.02	1/30/04,0900
Total Lead	mg/L	< 0.015	< 0.015	< 0.015	1/30/04,0900
Dissolved Chromium	mg/L	< 0.02	< 0.02	< 0.02	2/3/04,1000
Dissolved Lead	mg/L	< 0.015	< 0.015	< 0.015	2/3/04,1000

Lab Number:	K401557	K401558	K401559		
Sample ID:	ECMW-13	ECMW-14	ECMW-15	Date/Time	
Date/Time Collected:	1/28/04,1045	1/28/04,1030	1/28/04,1015	Analyzed	
Metals					
Total Chromium	mg/L	< 0.02	< 0.02	< 0.02	1/30/04,0900
Total Lead	mg/L	< 0.015	< 0.015	< 0.015	1/30/04,0900
Dissolved Chromium	mg/L	< 0.02	< 0.02	< 0.02	2/3/04,1000
Dissolved Lead	mg/L	< 0.015	< 0.015	< 0.015	2/3/04,1000



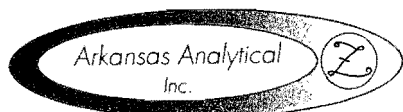
El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 1st Quarter Groundwaters
 Description: Thirteen water samples received 1/29/04

ANALYTICAL RESULTS

Lab Number:	K401560	K401561	K401562		
Sample ID:	ECMW-16	ECMW-22	ECMW-17	Date/Time	
Date/Time Collected:	1/28/04,1000	1/28/04,0940	1/28/04,0930	Analyzed	
Metals					
Total Chromium	mg/L	< 0.02	0.021	< 0.02	1/30/04,0900
Total Lead	mg/L	< 0.015	0.021	< 0.015	1/30/04,0900
Dissolved Chromium	mg/L	< 0.02	< 0.02	< 0.02	2/3/04,1000
Dissolved Lead	mg/L	< 0.015	< 0.015	< 0.015	2/3/04,1000

Lab Number:	K401563		
Sample ID:	ECMW-22 Dup	Date/Time	
Date/Time Collected:	1/28/04,0940	Analyzed	
Metals			
Total Chromium	mg/L	0.023	1/30/04,0900
Total Lead	mg/L	0.021	1/30/04,0900
Dissolved Chromium	mg/L	< 0.02	2/3/04,1000
Dissolved Lead	mg/L	< 0.015	2/3/04,1000



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 1st Quarter Groundwaters
 Description: Thirteen water samples received 1/29/04

QUALITY CONTROL RESULTS

	Blank	Percent Variance Duplicates	Percent Recovery Matrix Spike	Percent Recovery Control Spike	Method of Analysis
Wet Chemistry					
	mg/L				
Ammonia-N	< 0.5	1.68	107	101	EPA 350.3
TDS	< 1.0	13.0*	NA	89.8	EPA 160.1
Anions					
	mg/L				
Nitrate-N	< 0.5	0.742	106	108	SW 9056
Sulfate	< 0.5	0.00	98.0	104	SW 9056
Metals					
	mg/L				
Chromium	< 0.02	1.01/1.41	98.7	99.5	SW 6010B
Lead	< 0.015	0.808/0.402	99.0	99.6	SW 6010B
Dissolved Chromium	< 0.02	0.196/0.00	102	100	SW 6010B
Dissolved Lead	< 0.015	0.775/0.981	103	102	SW 6010B

NA means not analyzed.

* Does not meet lab acceptability criteria.

Methods are from EPA 600/4-79-020, Revised March, 1983 and SW 846, Revised December, 1996.

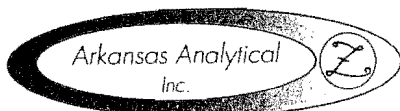
Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Ammonia-N analyzed by: Amy Daniel, Melissa Green
 Amy Daniel, Melissa Green

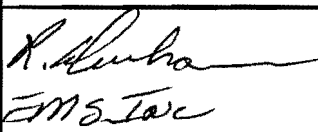
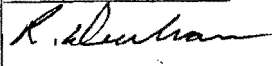
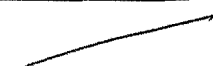

TDS analyzed by: Teresa Canfield
 Teresa Canfield

Anions analyzed by: Mark Wilson
 Mark Wilson

Metals analyzed by: Wendy Harston, Joel Ledbetter
 Wendy Harston, Joel Ledbetter



CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		Billing		Project Description		Turnaround Time		Preservation Codes:											
El Dorado Chemical Inc.		El Dorado Chemical Inc.		Groundwaters		(CIRCLE ONE)		1. Cool, 4 degrees Centigrade				4. Thiosulfate for dechlorination							
4500 Northwest Ave.		P.O. Box 231		Reporting Information		24 hour		2. Sulfuric Acid, pH <2				5. Hydrochloric Acid for VOA							
El Dorado, AR 71731		El Dorado, AR 71731		Telephone: 1-870-863-1484		48 hour		3. Nitric Acid, pH <2				6. Sodium Hydroxide, pH >12							
Attn:		Bill to/P.O. #:		FAX: 1-870-863-1499		routine		TEST PARAMETERS											
						Preservative Code:		1,2	1,3	1								Bottle type code	
						Bottle Type		P	P	P								G=glass;P=HDPE	
																		V=septum;A=amber	
 EMS Inc.				R. DURHAM EMS INC.															
Samplers: (Signature/s)				Samplers: (Printed)															
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION									Arkansas Analytical Lab #			
1	1-28-04	11:00	✓		3		FIELD BLANK									K401551			
2					3		TRIP BLANK									552			
3		11:25	✓		3		ECMW-8									553			
4		11:30	✓		3		ECMW-9									554			
5		11:15	✓		3		ECMW-10									555			
6		11:00	✓		3		ECMW-11									556			
7		10:45	✓		3		ECMW-13									557			
8		10:30	✓		3		ECMW-14									558			
9		10:15	✓		3		ECMW-15									559			
10		10:00	✓		3		ECMW-16									560			
11		9:40	✓		3		ECMW-22									561			
12		9:30	✓		3		ECMW-17									562			
1. Relinquished by: (Signature)		Date/Time		1. Received by: (Signature)		For completion by laboratory				REMARKS									
		1-28-04 12:00				Condition of samples: yes no													
A. Containers Correct:?																			
2. Relinquished by: (Signature)		Date/Time		2. Received by laboratory: (Signature)		B. Preservation Correct:?													
		1-29-04 1340		Melissa Green		C. Seals Intact:?													

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION				Project Description		Turnaround Time	Preservation Codes:						
EldoradoChem				Reporting Information		(CIRCLE ONE)	1. Cool, 4 degrees Centigrade		4. Thiosulfate for dechlorination				
Telephone:				24 hour		24 hour	2. Sulfuric Acid, pH <2		5. Hydrochloric Acid for VOA				
FAX:				48 hour		48 hour	3. Nitric Acid, pH <2		6. Sodium Hydroxide, pH >12				
Attn:				Bill to/P.O.		routine	TEST PARAMETERS						
						Preservative Code:							
						Bottle Type							
Samplers:(Signature/s)				Samplers:(Printed)								Bottle type code	
												G=glass;P=HDPE	
												V=septum;A=amber	
												Arkansas Analytical Lab #	
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION						Lab #
	1-28-04	09:40	✓		3		ECMW-22 Dup						KUOFB
							ONSITE MEASUREMENTS						
								pH	Temperature	Time			
							Sample						
							Duplicate						
							% Variance						
							Average						
							QC						
							Recovery						
1 Relinquished by:(Signature)			Date/Time		1.Received by:(Signature)			For completion by laboratory				REMARKS	
								Condition of samples: yes no				This sample was not on original col. -MLA	
2.Relinquished by:(Signature)			Date/Time		2.Received by laboratory :(Signature)			A. Containers Correct?:					
			1-29-04 1340		Melissa Green			B. Preservation Correct?:					
								C. Seals Intact?:					



El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

11701 I-30 Bldg. 1, Ste. 115 • Little Rock, AR 72209
501.455.3233 • Fax 501.455.6118

Re: 2004 1st Quarter Groundwaters
Description: Fourteen water samples received 1/30/04

*mw-18
KPC*

ANALYTICAL RESULTS

Lab Number:	K401584	K401585	K401586	K401587
Sample ID:	Field Blank	ECMW-14	ECMW-21	ECMW-20
Date/Time Collected:	1/28/04,1430	1/28/04,1600	1/28/04,1515	1/28/04,1500
Wet Chemistry				
Ammonia-N	mg/L	< 0.5	< 0.5	< 0.5
Date/Time Analyzed	2/2/04,1330	2/2/04,1330	2/2/04,1330	2/2/04,1330
TDS	mg/L	< 1.0	270	82
Date/Time Analyzed	2/2/04,1430	2/2/04,1430	2/2/04,1430	2/2/04,1430
Anions				
Nitrate-N	mg/L	< 0.5	< 0.5	1.63
Sulfate	mg/L	< 0.5	5.41	8.17
Date/Time Analyzed	1/30/04,2045	1/30/04,2305	1/30/04,2326	1/30/04,2346
<hr/>				
Lab Number:	K401588	K401589	K401590	K401591
Sample ID:	ECMW-12	ECMW-1	ECMW-2	ECMW-3
Date/Time Collected:	1/28/04,1445	1/28/04,1430	1/28/04,1415	1/28/04,1400
Wet Chemistry				
Ammonia-N	mg/L	1.87	0.56	< 0.5
Date/Time Analyzed	2/2/04,1330	2/3/04,1000	2/3/04,1000	2/3/04,1000
TDS	mg/L	320	53	490
Date/Time Analyzed	2/2/04,1430	2/3/04,1730	2/3/04,1730	2/3/04,1730
Anions				
Nitrate-N	mg/L	< 0.5	1.60	< 0.5
Sulfate	mg/L	6.76	6.19	25.3
Date/Time Analyzed	1/31/04,0007	1/31/04,0028	1/31/04,0048	1/31/04,0109

NOTE: Nitrate values for estimation only; Analyzed out of holding time.

El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

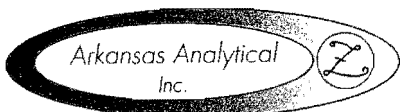
Re: 2004 1st Quarter Groundwaters
 Description: Fourteen water samples received 1/30/04

ANALYTICAL RESULTS

Lab Number:		K401592	K401593	K401594	K401595
Sample ID:		ECMW-4	ECMW-5	ECMW-5 Dup	ECMW-7
Date/Time Collected:		1/28/04,1345	1/28/04,1300	1/28/04,1300	1/28/04,1315
Wet Chemistry					
Ammonia-N	mg/L	< 0.5	< 0.5	< 0.5	147
Date/Time Analyzed		2/3/04,1000	2/3/04,1000	2/3/04,1000	2/3/04,1000
TDS	mg/L	5200	740	730	1300
Date/Time Analyzed		2/3/04,1730	2/3/04,1730	2/3/04,1730	2/3/04,1730
Anions					
Nitrate-N	mg/L	6.39	3.19	3.07	300
Sulfate	mg/L	1040	476	482	644
Date/Time Analyzed		1/31/04,0129,0434	1/31/04,0150,0455	1/31/04,0252,0515	1/31/04,0312,0536

Lab Number:		K401596	K401597
Sample ID:		ECMW-6	ECMW-19
Date/Time Collected:		1/28/04,1330	1/28/04,1645
Wet Chemistry			
Ammonia-N	mg/L	12.3	0.64
Date/Time Analyzed		2/3/04,1000	2/3/04,1000
TDS	mg/L	5300	1400
Date/Time Analyzed		2/3/04,1730	2/3/04,1730
Anions			
Nitrate-N	mg/L	835	< 0.5
Sulfate	mg/L	17.2	8.32
Date/Time Analyzed		1/31/04,0333,0557	1/31/04,0353

NOTE: Nitrate values for estimation only; Analyzed out of holding time.



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

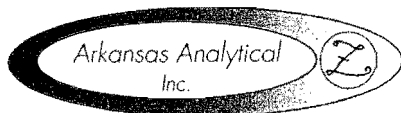
Re: 2004 1st Quarter Groundwaters
 Description: Fourteen water samples received 1/30/04

ANALYTICAL RESULTS

Lab Number:		K401584	K401585	K401586	
Sample ID:		Field Blank	ECMW-14	ECMW-21	Date/Time
Date/Time Collected:		1/28/04,1430	1/28/04,1600	1/28/04,1515	Analyzed
Metals					
Total Chromium	mg/L	< 0.02	0.022	0.837	2/2/04,0900
Total Lead	mg/L	< 0.015	0.028	0.169	2/2/04,0900
Dissolved Chromium	mg/L	< 0.02	< 0.02	< 0.02	2/3/04,1300
Dissolved Lead	mg/L	< 0.015	< 0.015	< 0.015	2/3/04,1300

Lab Number:		K401587	K401588	K401589	
Sample ID:		ECMW-20	ECMW-12	ECMW-1	Date/Time
Date/Time Collected:		1/28/04,1500	1/28/04,1445	1/28/04,1430	Analyzed
Metals					
Total Chromium	mg/L	0.034	< 0.02	< 0.02	2/2/04,0900
Total Lead	mg/L	0.024	< 0.015	< 0.015	2/2/04,0900
Dissolved Chromium	mg/L	< 0.02	< 0.02	< 0.02	2/3/04,1300
Dissolved Lead	mg/L	< 0.015	< 0.015	< 0.015	2/3/04,1300

Lab Number:		K401590	K401591	K401592	
Sample ID:		ECMW-2	ECMW-3	ECMW-4	Date/Time
Date/Time Collected:		1/28/04,1415	1/28/04,1400	1/28/04,1345	Analyzed
Metals					
Total Chromium	mg/L	< 0.02	< 0.02	< 0.02	2/2/04,0900
Total Lead	mg/L	< 0.015	< 0.015	< 0.015	2/2/04,0900
Dissolved Chromium	mg/L	< 0.02	< 0.02	< 0.02	2/3/04,1300
Dissolved Lead	mg/L	< 0.015	< 0.015	< 0.015	2/3/04,1300



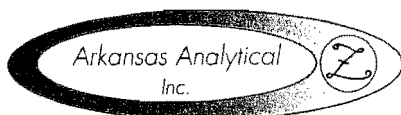
El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 1st Quarter Groundwaters
 Description: Fourteen water samples received 1/30/04

ANALYTICAL RESULTS

Lab Number:		K401593	K401594	K401595	
Sample ID:		ECMW-5	ECMW-5 Dup	ECMW-7	Date/Time
Date/Time Collected:		1/28/04,1300	1/28/04,1300	1/28/04,1315	Analyzed
Metals					
Total Chromium	mg/L	< 0.02	< 0.02	< 0.02	2/2/04,0900
Total Lead	mg/L	< 0.015	< 0.015	0.018	2/2/04,0900
Dissolved Chromium	mg/L	< 0.02	< 0.02	< 0.02	2/3/04,1300
Dissolved Lead	mg/L	< 0.015	< 0.015	< 0.015	2/3/04,1300

Lab Number:		K401596	K401597	
Sample ID:		ECMW-6	ECMW-19	Date/Time
Date/Time Collected:		1/28/04,1330	1/28/04,1645	Analyzed
Metals				
Total Chromium	mg/L	< 0.02	0.077	2/2/04,0900
Total Lead	mg/L	< 0.015	0.122	2/2/04,0900
Dissolved Chromium	mg/L	< 0.02	0.077	2/3/04,1300
Dissolved Lead	mg/L	< 0.015	0.045	2/3/04,1300



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 1st Quarter Groundwaters
 Description: Fourteen water samples received 1/30/04

QUALITY CONTROL RESULTS

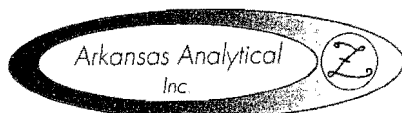
	Blank	Percent Variance Duplicates	Percent Recovery Matrix Spike	Percent Recovery Control Spike	Method of Analysis
Wet Chemistry					
Lab Numbers: K401584-88	mg/L				
Ammonia-N	< 0.5	1.68	107	101	EPA 350.3
Lab Numbers: K401589-97	mg/L				
Ammonia-N	< 0.5	4.95	103	101	EPA 350.3
Lab Numbers: K401584-88	mg/L				
TDS	< 1.0	13.0*	NA	89.8	EPA 160.1
Lab Numbers: K401589-97	mg/L				
TDS	< 1.0	10.5	NA	100	EPA 160.1
Anions					
Nitrate-N	< 0.5	0.467	106	107	SW 9056
Sulfate	< 0.5	0.964	90.2	104	SW 9056

NA means not analyzed.

* Does not meet lab acceptability criteria.

Methods are from EPA 600/4-79-020, Revised March, 1983 and SW 846, Revised December, 1996.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 1st Quarter Groundwaters
 Description: Fourteen water samples received 1/30/04

QUALITY CONTROL RESULTS

	Blank	Percent Variance Duplicates	Percent Recovery Matrix Spike	Percent Recovery Control Spike	Method of Analysis
Metals	mg/L				
Chromium	< 0.02	3.60/1.19	100	101	SW 6010B
Lead	< 0.015	4.00/0.993	100	101	SW 6010B
Dissolved Chromium	< 0.02	0.396/0.00	101	103	SW 6010B
Dissolved Lead	< 0.015	0.978/0.00	102	104	SW 6010B

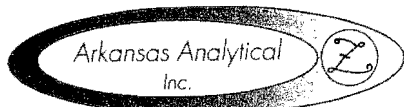
Methods are from EPA 600/4-79-020, Revised March, 1983 and SW 846, Revised December, 1996.
 Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Ammonia-N analyzed by: Amy Daniel Melissa Green
 Amy Daniel, Melissa Green

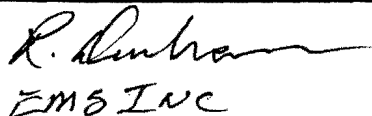
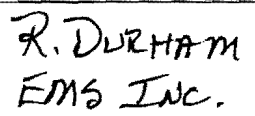

TDS analyzed by: Teresa Canfield
 Teresa Canfield

Anions analyzed by: Tracy Bounds Mark Wilson
 Tracy Bounds, Mark Wilson

Metals analyzed by: Wendy Harston Joel Ledbetter
 Wendy Harston, Joel Ledbetter



CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		Billing		Project Description		Turnaround Time		Preservation Codes:							
El Dorado Chemical Inc.		El Dorado Chemical Inc.		Groundwaters		(CIRCLE ONE)		1. Cool, 4 degrees Centigrade		4. Thiosulfate for dechlorination					
4500 Northwest Ave.		P.O. Box 231		Reporting Information		24 hour		2. Sulfuric Acid, pH <2		5. Hydrochloric Acid for VOA					
El Dorado, AR 71731		El Dorado, AR 71731		Telephone: 1-870-863-1484		48 hour		3. Nitric Acid, pH <2		6. Sodium Hydroxide, pH >12					
Attn:		Bill to/P.O. #:		FAX: 1-870-863-1499		routine		TEST PARAMETERS							
						Preservative Code:		Bottle type code							
						Bottle Type		G=glass;P=HDPE							
								V=septum;A=amber							
 R. DURHAM EMS INC.				 R. DURHAM EMS INC.				Ammonia Cr, Pb TDS, Nitrate, Sulfate, d Cr, d Pb						Arkansas Analytical Lab #	
Samplers: (Signature/s)				Samplers: (Printed)											
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION						Lab #		
1	12-28-04	2:30	L		3		FIELD BLANK						K401584		
2		4:00	L		3		ECMW-19						585		
3		3:15	L		3		ECMW-21						586		
4		3:00	L		3		ECMW-20						587		
5		2:45	L		3		ECMW-12						588		
6		2:30	L		3		ECMW-1						589		
7		2:15	L		3		ECMW-2						590		
8		2:00	L		3		ECMW-3						591		
9		1:45	L		3		ECMW-4						592		
10		1:00	L		3		ECMW-5						593		
11		1:00	L		3		ECMW-5 DUF						594		
12		1:15	L		3		ECMW-7						595		
1 Relinquished by: (Signature)		Date/Time		1 Received by: (Signature)		For completion by laboratory						REMARKS			
				Velocity		Condition of samples: yes no A. Containers Correct? <input checked="" type="checkbox"/> <input type="checkbox"/> B. Preservation Correct? <input checked="" type="checkbox"/> <input type="checkbox"/> C. Seals Intact? NA <input type="checkbox"/> <input type="checkbox"/>									
2 Relinquished by: (Signature)		Date/Time		2 Received by laboratory: (Signature)											
Velocity		1-30-04, 1150		Sydney James											

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		Billing		Project Description		Turnaround Time		Preservation Codes:								
El Dorado Chemical Inc.		El Dorado Chemical Inc.		Groundwaters		(CIRCLE ONE)		1. Cool, 4 degrees Centigrade			4. Thiosulfate for dechlorination					
4500 Northwest Ave.		P.O. Box 231		Reporting Information		24 hour		2. Sulfuric Acid, pH <2			5. Hydrochloric Acid for VOA					
El Dorado, AR 71731		El Dorado, AR 71731		Telephone: 1-870-863-1484		48 hour		3. Nitric Acid, pH <2			6. Sodium Hydroxide, pH >12					
Attn:		Bill to/P.O. #:		FAX: 1-870-863-1499		routine		TEST PARAMETERS						Bottle type code		
						Preservative Code:		1,2	1,3	1						G=glass;P=HDPE
						Bottle Type:		P	P	P						V=septum;A=amber
Samplers: (Signature/s)				Samplers: (Printed)										Arkansas Analytical Lab #		
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION		Ammonia	Cr, Pb	TDS, Nitrate, Sulfate, d Cr, d Pb					
13	8-04	1:30	L		3		ECMW-6									K401596
14	"	4:45	L		3		ECMW-19									597
1 Relinquished by: (Signature)		Date/Time		1. Received by: (Signature)		For completion by laboratory				REMARKS						
				Velocity		Condition of samples: yes no										
A. Containers Correct:?						<input checked="" type="checkbox"/> <input type="checkbox"/>										
2 Relinquished by: (Signature)		Date/Time		2. Received by laboratory: (Signature)		B. Preservation Correct:?										
Velocity		1-30-04, 1150		Sydney James		<input checked="" type="checkbox"/> <input type="checkbox"/>										
C. Seals intact:?						NA <input type="checkbox"/> <input type="checkbox"/>										

El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

*Corrected
lab report
for MW-10 Nitrate as N
and sulfate*

CORRECTED PAGE

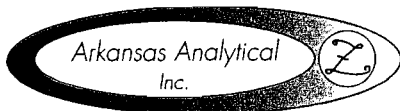
Re: 2004 1st Quarter Groundwaters

Description: Twenty seven water samples received 3/23/04

ANALYTICAL RESULTS

Lab Number:	K403759	K403760	K403761	K403762	K403763
Sample ID:	ECMW-22	ECMW-17	ECMW-19	ECMW-19 Dup	ECMW-5
Date/Time Collected:	3/16/04,1115	3/16/04,1100	3/16/04,1330	3/16/04,1330	3/16/04,1035
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	8.14	< 0.5	< 0.5	< 0.5
Date/Time Analyzed	3/24/04,0900	3/24/04,0900	3/24/04,0900	3/24/04,0900	3/25/04,0830
TDS	< 1.0	983	238	164	780
Date/Time Analyzed	3/29/04,1000	3/29/04,1000	3/29/04,1000	3/29/04,1000	3/29/04,1000
Anions					
Nitrate-N	0.66	129	< 0.5	< 0.5	3.60
Sulfate	2.88	64.0	6.38	7.63	472
Date/Time Analyzed	3/24/04,2155	3/24/04,2211	3/24/04,2226	3/24/04,2242	3/24/04,2258 3/25/04,1440
Lab Number:	K403764	K403765	K403766	K403767	K403768
Sample ID:	ECMW-10	ECMW-4	ECMW-6	ECMW-7	ECMW-8
Date/Time Collected:	3/16/04,1025	3/16/04,0935	3/16/04,0945	3/16/04,0955	3/16/04,1005
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	< 0.5	13	190	88
Date/Time Analyzed	3/25/04,0830	3/25/04,0830	3/25/04,0830	3/25/04,0830	3/25/04,0830
TDS	1078	5204	5106	1280	2221
Date/Time Analyzed	3/29/04,1000	3/29/04,1000	3/29/04,1000	3/29/04,1000	3/29/04,1000
Anions					
Nitrate-N	135	< 0.5	826	310	203
Sulfate	128	919	17.2	496	805
Date/Time Analyzed	3/25/04,2313	3/25/04,2329 3/25/04,1527	3/25/04,0103 3/25/04,1629	3/25/04,0118	3/25/04,0134

NOTE: TDS and Nitrate values for estimation only; Received out of holding time.





El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

11701 I-30 Bldg. 1, Ste. 115 • Little Rock, AR 72209
501.455.3233 • Fax 501.455.6118

Re: 2004 1st Quarter Groundwaters
Description: Twenty seven water samples received 3/23/04

ANALYTICAL RESULTS

Lab Number:	K403749	K403750	K403751	K403752	K403753
Sample ID:	Field Blank	Field Blank	Trip Blank	ECMW-18	ECMW-21
Date/Time Collected:	3/16/04,1030	3/16/04,1315	-	3/16/04,1400	3/16/04,1430
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Date/Time Analyzed	3/24/04,0900	3/24/04,0900	3/24/04,0900	3/24/04,0900	3/24/04,0900
TDS	< 1.0	< 1.0	9	666	130
Date/Time Analyzed	3/29/04,1000	3/29/04,1000	3/29/04,1000	3/29/04,1000	3/29/04,1000
Anions					
Nitrate-N	< 0.5	< 0.5	< 0.5	< 0.5	0.54
Sulfate	< 0.5	< 0.5	< 0.5	7.01	3.62
Date/Time Analyzed	3/24/04,1848	3/24/04,1903	3/24/04,1919	3/24/04,1935	3/24/04,1950
Lab Number:	K403754	K403755	K403756	K403757	K403758
Sample ID:	ECMW-20	ECMW-13	ECMW-14	ECMW-15	ECMW-16
Date/Time Collected:	3/16/04,1415	3/16/04,1205	3/16/04,1150	3/16/04,1140	3/16/04,1125
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	< 0.5	< 0.5	< 0.5	8.39
Date/Time Analyzed	3/24/04,0900	3/24/04,0900	3/24/04,0900	3/24/04,0900	3/24/04,0900
TDS	186	1175	792	97	180
Date/Time Analyzed	3/29/04,1000	3/29/04,1000	3/29/04,1000	3/29/04,1000	3/29/04,1000
Anions					
Nitrate-N	< 0.5	< 0.5	33.4	7.66	34.8
Sulfate	15.9	550	211	13.9	11.2
Date/Time Analyzed	3/24/04,2006	3/24/04,2022	3/24/04,2108	3/24/04,2124	3/24/04,2140

NOTE: TDS and Nitrate values for estimation only; Received out of holding time.

El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

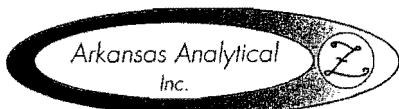
Re: 2004 1st Quarter Groundwaters
 Description: Twenty seven water samples received 3/23/04

ANALYTICAL RESULTS

Lab Number:	K403759	K403760	K403761	K403762	K403763
Sample ID:	ECMW-22	ECMW-17	ECMW-19	ECMW-19 Dup	ECMW-5
Date/Time Collected:	3/16/04,1115	3/16/04,1100	3/16/04,1330	3/16/04,1330	3/16/04,1035
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	8.14	< 0.5	< 0.5	< 0.5
Date/Time Analyzed	3/24/04,0900	3/24/04,0900	3/24/04,0900	3/24/04,0900	3/25/04,0830
TDS	< 1.0	983	238	164	780
Date/Time Analyzed	3/29/04,1000	3/29/04,1000	3/29/04,1000	3/29/04,1000	3/29/04,1000
Anions					
Nitrate-N	0.66	129	< 0.5	< 0.5	3.60
Sulfate	2.88	64.0	6.38	7.63	472
Date/Time Analyzed	3/24/04,2155	3/24/04,2211	3/24/04,2226	3/24/04,2242	3/24/04,2258 3/25/04,1440

Lab Number:	K403764	K403765	K403766	K403767	K403768
Sample ID:	ECMW-10	ECMW-4	ECMW-6	ECMW-7	ECMW-8
Date/Time Collected:	3/16/04,1025	3/16/04,0935	3/16/04,0945	3/16/04,0955	3/16/04,1005
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	< 0.5	13	190	88
Date/Time Analyzed	3/25/04,0830	3/25/04,0830	3/25/04,0830	3/25/04,0830	3/25/04,0830
TDS	1078	5204	5106	1280	2221
Date/Time Analyzed	3/29/04,1000	3/29/04,1000	3/29/04,1000	3/29/04,1000	3/29/04,1000
Anions					
Nitrate-N	6.33	< 0.5	826	310	203
Sulfate	6.25	919	17.2	496	805
Date/Time Analyzed	3/25/04,2313	3/25/04,2329 3/25/04,1527	3/25/04,0103 3/25/04,1629	3/25/04,0118	3/25/04,0134

NOTE: TDS and Nitrate values for estimation only; Received out of holding time.



El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

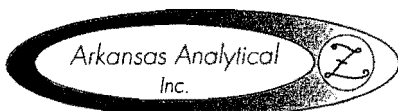
Re: 2004 1st Quarter Groundwaters
Description: Twenty seven water samples received 3/23/04

ANALYTICAL RESULTS

Lab Number:	K403769	K403770	K403771	K403772	K403773
Sample ID:	ECMW-9	ECMW-1	ECMW-2	ECMW-3	ECMW-11
Date/Time Collected:	3/16/04,1015	3/16/04,0905	3/16/04,0915	3/16/04,0925	3/16/04,0845
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	< 0.5	< 0.5	< 0.5	15
Date/Time Analyzed	3/25/04,0830	3/25/04,0830	3/25/04,0830	3/25/04,0830	3/25/04,0830
TDS	1524	56	311	188	511
Date/Time Analyzed	3/31/04,1545	3/31/04,1545	3/31/04,1545	3/31/04,1545	3/31/04,1545
Anions					
Nitrate-N	30.6	2.73	< 0.5	< 0.5	9.63
Sulfate	528	4.22	20.9	11.2	262
Date/Time Analyzed	3/25/04,0150	3/25/04,0205	3/25/04,0221	3/25/04,0236	3/25/04,0252 3/25/04,1755

Lab Number:	K403774	K403775
Sample ID:	ECMW-11 Dup	ECMW-12
Date/Time Collected:	3/16/04,0845	3/16/04,0830
Units:	mg/L	mg/L
Wet Chemistry		
Ammonia-N	18	2.2
Date/Time Analyzed	3/25/04,0830	3/25/04,0830
TDS	535	252
Date/Time Analyzed	3/31/04,1545	3/31/04,1545
Anions		
Nitrate-N	8.79	< 0.5
Sulfate	278	4.04
Date/Time Analyzed	3/25/04,0307 3/25/04,1811	3/25/04,0323

NOTE: TDS and Nitrate values for estimation only; Received out of holding time.



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 1st Quarter Groundwaters
 Description: Twenty seven water samples received 3/23/04

ANALYTICAL RESULTS

Lab Number:	K403761	K403762	K403763	K403764	
Sample ID:	ECMW-19	ECMW-19 Dup	ECMW-5	ECMW-10	
Date/Time Collected:	3/16/04,1330	3/16/04,1330	3/16/04,1035	3/16/04,1025	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	3/25/04,0930
Total Lead	0.019	0.021	< 0.015	< 0.015	3/25/04,0930
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	4/2/04,1400
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	4/2/04,1400

Lab Number:	K403765	K403766	K403767	K403768	
Sample ID:	ECMW-4	ECMW-6	ECMW-7	ECMW-8	
Date/Time Collected:	3/16/04,0935	3/16/04,0945	3/16/04,0955	3/16/04,1005	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	3/25/04,0930
Total Lead	< 0.015	< 0.015	0.018	< 0.015	3/25/04,0930
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	4/2/04,1400
Dissolved Lead	< 0.015	< 0.015	0.017	< 0.015	4/2/04,1400

Lab Number:	K403769	K403770	K403771	K403772	
Sample ID:	ECMW-9	ECMW-1	ECMW-2	ECMW-3	
Date/Time Collected:	3/16/04,1015	3/16/04,0905	3/16/04,0915	3/16/04,0925	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	3/25/04,0930
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	3/25/04,0930
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	4/2/04,1400
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	4/2/04,1400

El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 1st Quarter Groundwaters
 Description: Twenty seven water samples received 3/23/04

ANALYTICAL RESULTS

Lab Number:	K403749	K403750	K403751	K403752	
Sample ID:	Field Blank	Field Blank	Trip Blank	ECMW-18	
Date/Time Collected:	3/16/04,1030	3/16/04,1315	-	3/16/04,1400	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	0.027	3/25/04,0930
Total Lead	< 0.015	< 0.015	< 0.015	0.021	3/25/04,0930
Dissolved Chromium	< 0.02	< 0.02	< 0.02	0.021	4/2/04,1400
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	4/2/04,1400
Lab Number:	K403753	K403754	K403755	K403756	
Sample ID:	ECMW-21	ECMW-20	ECMW-13	ECMW-14	
Date/Time Collected:	3/16/04,1430	3/16/04,1415	3/16/04,1205	3/16/04,1150	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	0.028	< 0.02	< 0.02	< 0.02	3/25/04,0930
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	3/25/04,0930
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	4/2/04,1400
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	4/2/04,1400
Lab Number:	K403757	K403758	K403759	K403760	
Sample ID:	ECMW-15	ECMW-16	ECMW-22	ECMW-17	
Date/Time Collected:	3/16/04,1140	3/16/04,1125	3/16/04,1115	3/16/04,1100	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	3/25/04,0930
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	3/25/04,0930
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	4/2/04,1400
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	4/2/04,1400

El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 1st Quarter Groundwaters
 Description: Twenty seven water samples received 3/23/04

ANALYTICAL RESULTS

Lab Number:	K403773	K403774	K403775	
Sample ID:	ECMW-11	ECMW-11 Dup	ECMW-12	
Date/Time Collected:	3/16/04,0845	3/16/04,0845	3/16/04,0830	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	
Metals				
Total Chromium	< 0.02	< 0.02	< 0.02	3/25/04,0930
Total Lead	< 0.015	< 0.015	< 0.015	3/25/04,0930
Dissolved Chromium	< 0.02	< 0.02	< 0.02	4/2/04,1400
Dissolved Lead	< 0.015	< 0.015	< 0.015	4/2/04,1400

El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 1st Quarter Groundwaters
 Description: Twenty seven water samples received 3/23/04

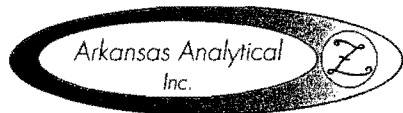
QUALITY CONTROL RESULTS

	Blank	Percent Variance Duplicates	Percent Recovery Matrix Spike	Percent Recovery Control Spike	Method of Analysis
Wet Chemistry					
Lab Numbers: K403749-62	mg/L				
Ammonia-N	< 0.5	1.85	91.6	108	EPA 350.3
Lab Numbers: K403763-75	mg/L				
Ammonia-N	< 0.5	0.00	95.8	105	EPA 350.3
Lab Numbers: K403749-68	mg/L				
TDS	< 1.0	0.00	NA	85.3	EPA 160.1
Lab Numbers: K403769-75	mg/L				
TDS	< 1.0	1.03	NA	97.4	EPA 160.1
Anions					
Batch Number: K4042	mg/L				
Nitrate-N	< 0.5	0.00	98.2	109	SW 9056
Sulfate	< 0.5	0.100	97.4	99.8	SW 9056
Batch Number: K4043	mg/L				
Nitrate-N	< 0.5	0.643	97.0	109	SW 9056
Sulfate	< 0.5	0.512	94.0	97.8	SW 9056

NA means not analyzed.

Methods are from EPA 600/4-79-020, Revised March, 1983 and SW 846, Revised December, 1996.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 1st Quarter Groundwaters
 Description: Twenty seven water samples received 3/23/04

QUALITY CONTROL RESULTS

	Blank	Percent Variance Duplicates	Percent Recovery Matrix Spike	Percent Recovery Control Spike	Method of Analysis
Metals					
Batch Number: 0325WA	mg/L				
Chromium	< 0.02	1.58/2.38	102	103	SW 6010B
Lead	< 0.015	1.92/3.41	103	106	SW 6010B
Dissolved Chromium	< 0.02	3.76/3.75	90.5	96.0	SW 6010B
Dissolved Lead	< 0.015	5.18/3.08	92.8	97.5	SW 6010B
Batch Number: 0325WB	mg/L				
Chromium	< 0.02	0.217/3.31	91.9	96.6	SW 6010B
Lead	< 0.015	0.862/4.82	92.2	99.6	SW 6010B
Dissolved Chromium	< 0.02	2.07/3.13	86.7	95.9	SW 6010B
Dissolved Lead	< 0.015	4.04/3.05	88.8	98.5	SW 6010B

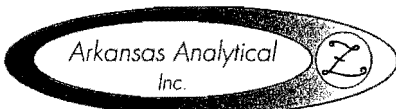
Methods are from EPA 600/4-79-020, Revised March, 1983 and SW 846, Revised December, 1996. Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Ammonia-N analyzed by: Teresa Canfield
 Teresa Canfield

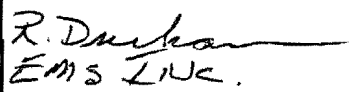
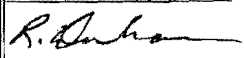

TDS analyzed by: Amy Daniel
 Amy Daniel

Anions analyzed by: Tracy Bounds, Mark Wilson
 Tracy Bounds, Mark Wilson

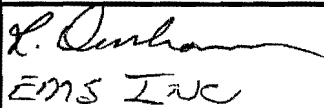
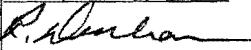

Metals analyzed by: Wendy Harston, Joel Ledbetter
 Wendy Harston, Joel Ledbetter

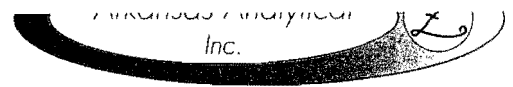


CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		Billing		Project Description		Turnaround Time		Preservation Codes:							
El Dorado Chemical Inc.		El Dorado Chemical Inc.		Groundwaters		(CIRCLE ONE)		1. Cool, 4 degrees Centigrade			4. Thiosulfate for dechlorination				
4500 Northwest Ave.		P.O. Box 231		Reporting Information		24 hour		2. Sulfuric Acid, pH <2			5. Hydrochloric Acid for VOA				
El Dorado, AR 71731		El Dorado, AR 71731		Telephone: 1-870-863-1484		48 hour		3. Nitric Acid, pH <2			6. Sodium Hydroxide, pH >12				
Attn:		Bill to/P.O. #:		FAX: 1-870-863-1499		routine		TEST PARAMETERS							
						Preservative Code:		1,2	1,3	1					Bottle type code
						Bottle Type		P	P	P					G=glass;P=HDPE V=septum;A=amber
 R. DURHAM EMS INC.				R. DURHAM				Ammonia Cr, Pb TDS, Nitrate, Sulfate, d Cr, d Pb						Arkansas Analytical Lab #	
Samplers:(Signature/s)				Samplers:(Printed)											
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION						Lab #		
1	3-16	10:30	✓		3		FIELD BLANK						K403749		
2		1:15	✓		3		" "						750		
3			✓		3		TRIP BLANK						751		
4		2:00	✓		3		EDMW-18						752		
5		2:30	✓		3		EDMW-21						753		
6		2:15	✓		3		EDMW-20						754		
7		12:05	✓		3		ECMW-13						755		
8		11:50	✓		3		ECMW-14						756		
9		11:40	✓		3		ECMW-15						757		
10		11:25	✓		3		ECMW-16						758		
11		11:15	✓		3		ECMW-22						759		
12		11:00	✓		3		ECMW-17						760		
1 Relinquished by:(Signature)		Date/Time		1 Received by:(Signature)		For completion by laboratory						REMARKS			
		3-16-04 3:30 PM				Condition of samples: yes no									
						A. Containers Correct?: <input type="checkbox"/> <input type="checkbox"/>									
2 Relinquished by:(Signature)		Date/Time		2 Received by Laboratory:(Signature)		B. Preservation Correct?: <input type="checkbox"/> <input type="checkbox"/>									
		3/23/04 1330				C. Seals Intact?: <input type="checkbox"/> <input type="checkbox"/>									

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		Billing		Project Description		Turnaround Time		Preservation Codes:											
El Dorado Chemical Inc.		El Dorado Chemical Inc.		Groundwaters		(CIRCLE ONE)		1. Cool, 4 degrees Centigrade				4. Thiosulfate for dechlorination							
4500 Northwest Ave.		P.O. Box 231		Reporting Information		24 hour		2. Sulfuric Acid, pH <2				5. Hydrochloric Acid for VOA							
El Dorado, AR 71731		El Dorado, AR 71731		Telephone: 1-870-863-1484		48 hour		3. Nitric Acid, pH <2				6. Sodium Hydroxide, pH >12							
Attn:		Bill to/P.O. #:		FAX: 1-870-863-1499		routine		TEST PARAMETERS								Bottle type code			
						Preservative Code:		1,2	1,3	1							G=glass;P=HDPE		
						Bottle Type		P	P	P							V=septum;A=amber		
 EMS INC				R, DURHAM														Arkansas Analytical Lab #	
Samplers:(Signature/s)				Samplers:(Printed)															
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION										Lab #		
13	3-16	1:30	✓		3		ECMW-19										15403761		
14		1:30	✓		3		ECMW-19 DUF										762		
15		10:35	✓		3		ECMW-5										763		
16		10:25	✓		3		ECMW-10										764		
17		9:35	✓		3		ECMW-4										765		
18		9:45	✓		3		ECMW-6										766		
19		9:55	✓		3		ECMW-7										767		
20		10:05	✓		3		ECMW-8										768		
21		10:15	✓		3		ECMW-9										769		
22		9:05	✓		3		ECMW-1										770		
23		9:15	✓		3		ECMW-2										771		
24		9:25	✓		3		ECMW-3 *										772		
1. Relinquished by:(Signature)		Date/Time		1. Received by:(Signature)		For completion by laboratory				REMARKS									
		3-16-04 5:30 PM				Condition of samples: yes no													
A. Containers Correct?						<input type="checkbox"/>				<input type="checkbox"/>									
2. Relinquished by:(Signature)		Date/Time		2. Received by laboratory :(Signature)		B. Preservation Correct?													
		3/23/04 1330				<input type="checkbox"/>													
C. Seals Intact?						<input type="checkbox"/>				<input type="checkbox"/>									



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

11701 I-30 Bldg. 1, Ste. 115 • Little Rock, AR 72209
 501.455.3233 • Fax 501.455.6118

Re: 2004 2ndQuarter Groundwaters
 Description: Twenty five water samples received 5/19,20/04

ANALYTICAL RESULTS

Lab Number:	K405359	K405360	K405361	K405362	K405363
Sample ID:	ECMW 11	ECMW 13	ECMW 14	ECMW 15	ECMW 16
Date/Time Collected:	5/18/04,1015	5/18/04,1000	5/18/04,0950	5/18/04,0940	5/18/04,0930
Date Received:	5/19/04	5/19/04	5/19/04	5/19/04	5/19/04
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	19.9	< 0.5	< 0.5	< 0.5	10.4
Date/Time Analyzed	5/24/04,0830	5/24/04,0830	5/24/04,0830	5/24/04,0830	5/24/04,0830
TDS	452	647	784	83	167
Date/Time Analyzed	5/21/04,1500	5/21/04,1500	5/21/04,1500	5/21/04,1500	5/21/04,1500
Anions					
Nitrate-N	13.5	< 0.5	32.6	6.82	31.9
Sulfate	228	296	234	15.2	13.3
Date/Time Analyzed	5/19/04,1912 5/20/04,0748 5/20/04,0803	5/19/04,1927 5/21/04,0817	5/19/04,1942 5/21/04,0832	5/19/04,1956	5/19/04,2011 5/21/04,0901
Lab Number:	K405364	K405365	K405366	K405367	K405368
Sample ID:	ECMW 16DUP	ECMW 22	ECMW 17	ECMW 10	ECMW 1
Date/Time Collected:	5/18/04,0930	5/18/04,0920	5/18/04,0910	5/18/04,1030	5/18/04,1045
Date Received:	5/19/04	5/19/04	5/19/04	5/19/04	5/19/04
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	11.5	< 0.5	8.05	< 0.5	< 0.5
Date/Time Analyzed	5/24/04,0830	5/24/04,0830	5/24/04,0830	5/24/04,0830	5/24/04,0830
TDS	135	136	944	1055	35
Date/Time Analyzed	5/21/04,1500	5/21/04,1500	5/21/04,1500	5/21/04,1500	5/21/04,1500
Anions					
Nitrate-N	31.5	0.95	134	123	4.79
Sulfate	13.8	3.74	60.1	139	6.57
Date/Time Analyzed	5/19/04,2025 5/21/04,0930	5/19/04,2040	5/19/04,2055 5/21/04,0945 5/25/04,1156	5/19/04,2109 5/21/04,0959	5/19/04,2124

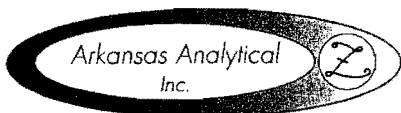
El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 2ndQuarter Groundwaters
 Description: Twenty five water samples received 5/19,20/04

ANALYTICAL RESULTS

Lab Number:	K405369	K405370	K405371	K405457	K405458
Sample ID:	ECMW 3	ECMW 2	TRIP BLANK	ECMW 19	ECMW 18
Date/Time Collected:	5/18/04,1115	5/18/04,1100	5/17/04,1445	5/19/04,1350	5/19/04,1325
Date Received:	5/19/04	5/19/04	5/19/04	5/20/04	5/20/04
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Date/Time Analyzed	5/24/04,0830	5/24/04,0830	5/24/04,0830	5/25/04,1530	5/25/04,1530
TDS	176	298	19	220	720
Date/Time Analyzed	5/21/04,1500	5/21/04,1500	5/21/04,1500	5/24/04,1530	5/24/04,1530
Anions					
Nitrate-N	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Sulfate	9.75	24.0	< 0.5	9.05	5.63
Date/Time Analyzed	5/19/04,2153	5/19/04,2208	5/19/04,2222	5/20/04,1343	5/20/04,1357

Lab Number:	K405459	K405460	K405461	K405462	K405463
Sample ID:	ECMW 21	ECMW 20	ECMW 4	ECMW 5	ECMW 5DUP
Date/Time Collected:	5/19/04,1045	5/19/04,1015	5/19/04,0925	5/19/04,0935	5/19/04,0935
Date Received:	5/20/04	5/20/04	5/20/04	5/20/04	5/20/04
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Date/Time Analyzed	5/25/04,1530	5/25/04,1530	5/25/04,1530	5/25/04,1530	5/25/04,1530
TDS	110	140	5300	860	900
Date/Time Analyzed	5/24/04,1530	5/24/04,1530	5/24/04,1530	5/24/04,1530	5/24/04,1530
Anions					
Nitrate-N	2.15	< 0.5	1.45	3.41	3.30
Sulfate	4.59	10.6	1040	455	494
Date/Time Analyzed	5/20/04,1426	5/20/04,1058	5/20/04,1113 5/21/04,1014	5/20/04,1127 5/21/04,1029	5/20/04,1142 5/21/04,1043

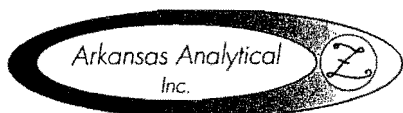


El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 2ndQuarter Groundwaters
 Description: Twenty five water samples received 5/19,20/04

ANALYTICAL RESULTS

Lab Number:	K405464	K405465	K405466	K405467	K405468
Sample ID:	ECMW 6	ECMW 7	ECMW 8	ECMW 9	ECMW 12
Date/Time Collected:	5/19/04,0915	5/19/04,0905	5/19/04,0855	5/19/04,0845	5/19/04,0835
Date Received:	5/20/04	5/20/04	5/20/04	5/20/04	5/20/04
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	21.4	204	120	< 0.5	1.94
Date/Time Analyzed	5/25/04,1530	5/25/04,1530	5/25/04,1530	5/25/04,1530	5/25/04,1530
TDS	5800	1500	2500	1600	360
Date/Time Analyzed	5/24/04,1530	5/24/04,1530	5/24/04,1530	5/24/04,1530	5/24/04,1530
Anions					
Nitrate-N	915	337	298	27.4	< 0.5
Sulfate	13.4	524	789	517	5.11
Date/Time Analyzed	5/20/04,1156	5/20/04,1211 5/21/04,1112	5/20/04,1313 5/21/04,1127	5/20/04,1328 5/21/04,1142 5/21/04,1156	5/20/04,1441



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

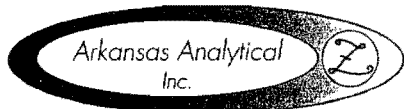
Re: 2004 2ndQuarter Groundwaters
 Description: Twenty five water samples received 5/19,20/04

ANALYTICAL RESULTS

Lab Number:	K405359	K405360	K405361	K405362	
Sample ID:	ECMW 11	ECMW 13	ECMW 14	ECMW 15	
Date/Time Collected:	5/18/04,1015	5/18/04,1000	5/18/04,0950	5/18/04,0940	
Date Received:	5/19/04	5/19/04	5/19/04	5/19/04	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	5/19/04,1020
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	5/19/04,1020
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	5/24/04,1400
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	5/24/04,1400

Lab Number:	K405363	K405364	K405365	K405366	
Sample ID:	ECMW 16	ECMW 16DUP	ECMW 22	ECMW 17	
Date/Time Collected:	5/18/04,0930	5/18/04,0930	5/18/04,0920	5/18/04,0910	
Date Received:	5/19/04	5/19/04	5/19/04	5/19/04	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	5/19/04,1020
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	5/19/04,1020
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	5/24/04,1400
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	5/24/04,1400

Lab Number:	K405367	K405368	K405369	K405370	
Sample ID:	ECMW 10	ECMW 1	ECMW 3	ECMW 2	
Date/Time Collected:	5/18/04,1030	5/18/04,1045	5/18/04,1115	5/18/04,1100	
Date Received:	5/19/04	5/19/04	5/19/04	5/19/04	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	5/19/04,1020
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	5/19/04,1020
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	5/24/04,1400
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	5/24/04,1400



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

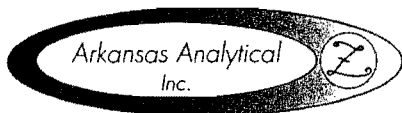
Re: 2004 2ndQuarter Groundwaters
 Description: Twenty five water samples received 5/19,20/04

ANALYTICAL RESULTS

Lab Number:	K405371	K405457	K405458	K405459	
Sample ID:	TRIP BLANK	ECMW 19	ECMW 18	ECMW 21	
Date/Time Collected:	5/17/04,1445	5/19/04,1350	5/19/04,1325	5/19/04,1045	
Date Received:	5/19/04	5/20/04	5/20/04	5/20/04	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	0.088	0.070	5/21/04,0830
Total Lead	< 0.015	< 0.015	0.063	0.029	5/21/04,0830
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	5/24/04,1430
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	5/24/04,1430

Lab Number:	K405460	K405461	K405462	K405463	
Sample ID:	ECMW 20	ECMW 4	ECMW 5	ECMW 5DUP	
Date/Time Collected:	5/19/04,1015	5/19/04,0925	5/19/04,0935	5/19/04,0935	
Date Received:	5/20/04	5/20/04	5/20/04	5/20/04	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	5/21/04,0830
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	5/21/04,0830
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	5/24/04,1430
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	5/24/04,1430

Lab Number:	K405464	K405465	K405466	K405467	
Sample ID:	ECMW 6	ECMW 7	ECMW 8	ECMW 9	
Date/Time Collected:	5/19/04,0915	5/19/04,0905	5/19/04,0855	5/19/04,0845	
Date Received:	5/20/04	5/20/04	5/20/04	5/20/04	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	5/21/04,0830
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	5/21/04,0830
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	5/24/04,1430
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	5/24/04,1430

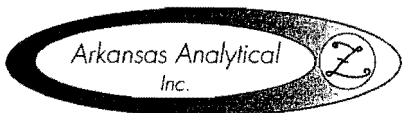


El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

Re: 2004 2ndQuarter Groundwaters
Description: Twenty five water samples received 5/19,20/04

ANALYTICAL RESULTS

Lab Number:	K405468	
Sample ID:	ECMW 12	
Date/Time Collected:	5/19/04,0835	
Date Received:	5/20/04	Date/Time
Units:	mg/L	Analyzed
Metals		
Total Chromium	< 0.02	5/21/04,0830
Total Lead	< 0.015	5/21/04,0830
Dissolved Chromium	< 0.02	5/24/04,1430
Dissolved Lead	< 0.015	5/24/04,1430



01/2/04
 El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 2ndQuarter Groundwaters
 Description: Twenty five water samples received 5/19,20/04

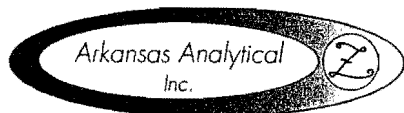
QUALITY CONTROL RESULTS

	Blank	Percent Variance Duplicates	Percent Recovery Matrix Spike	Percent Recovery Control Spike	Method of Analysis
Wet Chemistry					
Batch Number: K4-033	mg/L				
Ammonia-N	< 0.5	1.12	99.0	107	EPA 350.3
Batch Number: K4-034	mg/L				
Ammonia-N	< 0.5	0.909	102	110	EPA 350.3
Lab Numbers: K405359-71	mg/L				
TDS	< 1.0	4.12	NA	97.0	EPA 160.1
Lab Numbers: K405457-68	mg/L				
TDS	< 1.0	6.67	NA	105	EPA 160.1
Anions					
Batch Number: K4069	mg/L				
Nitrate-N	< 0.5	0.100	98.9	100	SW 9056
Sulfate	< 0.5	0.099	101	101	SW 9056
Batch Number: K4070	mg/L				
Nitrate-N	< 0.5	0.101	97.6	99.0	SW 9056
Sulfate	< 0.5	0.100	106	99.8	SW 9056
Batch Number: K4077	mg/L				
Nitrate-N	< 0.5	0.00	97.3	96.5	SW 9056

NA means not analyzed.

Methods are from EPA 600/4-79-020, Revised March, 1983 and SW 846, Revised December, 1996.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 2ndQuarter Groundwaters
 Description: Twenty five water samples received 5/19,20/04

QUALITY CONTROL RESULTS

	Blank	Percent Variance Duplicates	Percent Recovery Matrix Spike	Percent Recovery Control Spike	Method of Analysis
Metals					
Batch Number: 0519W	mg/L				
Chromium	< 0.02	0.426/0.608	94.0	98.7	SW 6010B
Lead	< 0.015	0.00/1.02	92.2	98.3	SW 6010B
Dissolved Chromium	< 0.02	0.640/1.01	93.3	98.9	SW 6010B
Dissolved Lead	< 0.015	0.851/0.00	93.8	101	SW 6010B
Batch Number: 0521W	mg/L				
Chromium	< 0.02	1.42/1.23	96.1	97.8	SW 6010B
Lead	< 0.015	0.832/0.608	95.0	98.7	SW 6010B
Dissolved Chromium	< 0.02	1.22/1.01	80.1	99.1	SW 6010B
Dissolved Lead	< 0.015	1.05/0.196	94.9	102	SW 6010B

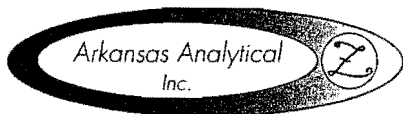
Methods are from EPA 600/4-79-020, Revised March, 1983 and SW 846, Revised December, 1996. Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Ammonia-N analyzed by: Teresa Canfield, Andrea Fox
 Teresa Canfield, Andrea Fox

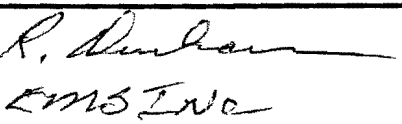
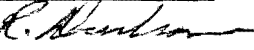
TDS analyzed by: Teresa Canfield, Amy Daniel, Andrea Fox
 Teresa Canfield, Amy Daniel, Andrea Fox

Anions analyzed by: Tracy Bounds, Mark Wilson
 Tracy Bounds, Mark Wilson

Metals analyzed by: Wendy Harston, Joel Ledbetter
 Wendy Harston, Joel Ledbetter



CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		Billing	Project Description		Turnaround Time	Preservation Codes:							
El Dorado Chemical Inc.		El Dorado Chemical Inc.	Groundwaters		(CIRCLE ONE)	1. Cool, 4 degrees Centigrade		4. Thiosulfate for dechlorination					
4500 Northwest Ave.		P.O. Box 231	Reporting Information		24 hour	2. Sulfuric Acid, pH <2		5. Hydrochloric Acid for VOA					
El Dorado, AR 71731		El Dorado, AR 71731	Telephone: 1-870-863-1484		48 hour	3. Nitric Acid, pH <2		6. Sodium Hydroxide, pH >12					
Attn:		Bill to/P.O. #:	FAX: 1-870-863-1499		routine	TEST PARAMETERS							
					Preservative Code:	1,2	1,3	1					Bottle type code
					Bottle Type	P	P	P					G=glass;P=HDPE
													V=septum;A=amber
 EMS INC.		R. DURHAM EMS INC.				Ammonia	Cr, Pb	TDS, Nitrate, Sulfate, Cr, d Pb					Arkansas Analytical Lab #
Samplers: (Signature/s)		Samplers: (Printed)											
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION						
1	5-18-04	10:15	L		3		ECMW11						K405359
2		10:00	L		3		ECMW13						360
3		9:50	L		3		ECMW14						361
4		9:40	L		3		ECMW15						362
5		9:30	L		3		ECMW16						363
6		9:30	L		3		ECMW16 DUP						364
7		9:20	L		3		ECMW22						365
8		9:10	L		3		ECMW17						366
9		10:30	L		3		ECMW10						367
10		10:45	L		3		ECMW1						368
11		11:15	L		3		ECMW3						369
12		11:00	L		3		ECMW2						370
1 Relinquished by: (Signature)		Date/Time	1 Received by: (Signature)		For completion by laboratory			REMARKS					
		5-18-04 1:30 PM	Velocity		Condition of samples: yes no								
					A. Containers Correct? <input checked="" type="checkbox"/> <input type="checkbox"/>								
2 Relinquished by: (Signature)		Date/Time	2 Received by laboratory: (Signature)		B. Preservation Correct? <input checked="" type="checkbox"/> <input type="checkbox"/>								
Velocity		5-19-04, 0859	Sydney James		C. Seals Intact? <input checked="" type="checkbox"/> <input type="checkbox"/>								

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		Billing		Project Description		Turnaround Time		Preservation Codes:							
El Dorado Chemical Inc.		El Dorado Chemical Inc.		Groundwaters		(CIRCLE ONE)		1. Cool, 4 degrees Centigrade			4. Thiosulfate for dechlorination				
500 Northwest Ave.		P.O. Box 231		Reporting Information		24 hour		2. Sulfuric Acid, pH <2			5. Hydrochloric Acid for VOA				
El Dorado, AR 71731		El Dorado, AR 71731		Telephone: 1-870-863-1484		48 hour		3. Nitric Acid, pH <2			6. Sodium Hydroxide, pH >12				
FAX: 1-870-863-1499		Bill to/P.O. #:		Preservative Code:		routine		TEST PARAMETERS						Bottle type code	
Atttn:				Bottle Type		1,2		1,3	1						G=glass;P=HDPE
P		P		P											V=septum;A=amber
R. Durham		R. DURHAM		EMSI INC		Ammonia		Cr, Pb	TDS, Nitrate, Sulfate, d Cr, d Pb						Arkansas Analytical Lab #
Samplers: (Signature/s)		Samplers: (Printed)		Field Number		Sample Collection		# of Containers		Sample Matrix		SAMPLE IDENTIFICATION/ DESCRIPTION			
1,3		5-17-04 1445		5		TRIP BLANK								K405371	
1 Relinquished by: (Signature)		Date/Time		1. Received by: (Signature)		For completion by laboratory		REMARKS							
R. Durham		5-18-04		Velocity		Condition of samples:		yes	no						
EMSI INC		1:30 PM				A. Containers Correct:?		<input checked="" type="checkbox"/>	<input type="checkbox"/>						
2. Relinquished by: (Signature)		Date/Time		2. Received by laboratory: (Signature)		B. Preservation Correct:?		<input checked="" type="checkbox"/>	<input type="checkbox"/>						
Velocity		5-19-04		Sydney James		C. Seats Intact:?		<input checked="" type="checkbox"/>	<input type="checkbox"/>						
		0859													

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		Billing		Project Description		Turnaround Time		Preservation Codes:									
El Dorado Chemical Inc.		El Dorado Chemical Inc.		Groundwaters		(CIRCLE ONE)		1. Cool, 4 degrees Centigrade			4. Thiosulfate for dechlorination						
4500 Northwest Ave.		P.O. Box 231		Reporting Information		24 hour		2. Sulfuric Acid, pH <2			5. Hydrochloric Acid for VOA						
El Dorado, AR 71731		El Dorado, AR 71731		Telephone: 1-870-863-1484		48 hour		3. Nitric Acid, pH <2			6. Sodium Hydroxide, pH >12						
Attn:		Bill to/P.O. #:		FAX: 1-870-863-1499		routine		TEST PARAMETERS						Bottle type code			
						Preservative Code:		1,2	1,3	1						G=glass;P=HDPE	
						Bottle Type		P	P	P						V=septum;A=amber	
<i>R. Durham</i> EMS INC.				<i>R. DURHAM</i> EMS Inc.										Arkansas Analytical Lab #			
Samplers: (Signature/s)				Samplers: (Printed)													
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION		Ammonia	Cr, Pb	TDS, Nitrate, Sulfate, & Cr, & Pb						
1	5-19-04	1:50	L		3		ECMW 19	✓	✓	✓							4405457
2	5-19-04	1:25	L		3		ECMW 18										458
3		10:45	L		3		ECMW 21										459
4		10:15	L		3		ECMW 20										460
5		9:25	L		3		ECMW 4										461
6		9:35	L		3		ECMW 5										462
7		9:35	L		3		ECMW 5 DUP										463
8		9:15	L		3		ECMW 6										464
9		9:05	L		3		ECMW 7										465
10		8:55	L		3		ECMW 8										466
11		8:45	L		3		ECMW 9										467
12		8:35	L		3		ECMW 12										468
1 Relinquished by: (Signature)		Date/Time		1 Received by: (Signature)		For completion by laboratory				REMARKS							
<i>R. Durham</i>		5-19-04 2:30 PM		Fed Ex		Condition of samples: yes no											
						A. Containers Correct? <input checked="" type="checkbox"/> <input type="checkbox"/>											
2 Relinquished by: (Signature)		Date/Time		2 Received by laboratory: (Signature)		B. Preservation Correct? <input checked="" type="checkbox"/> <input type="checkbox"/>											
Fed Ex		5-20-04, 0910		Sydney James		C. Seals Intact? <input checked="" type="checkbox"/> <input type="checkbox"/>											

El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

11701 I-30 Bldg. 1, Ste. 115 • Little Rock, AR 72209
 501.455.3233 • Fax 501.455.6118

CORRECTED PAGE

Re: 2004 3rd Quarter Groundwaters

Description: Twenty six water samples received 7/14/04

ANALYTICAL RESULTS

Lab Number:	K407912	K407913	K407914	K407915	K407916
Sample ID:	Field Blank	Field Blank	ECMW 21	ECMW 20	ECMW 19
Date/Time Collected:	7/13/04,0830	7/13/04,1430	7/13/04,1330	7/13/04,1300	7/13/04,1245
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Date/Time Analyzed	7/14/04,1100	7/14/04,1100	7/14/04,1100	7/14/04,1100	7/14/04,1100
TDS	< 1.0	20	103	130	180
Date/Time Analyzed	7/15/04,1530	7/15/04,1530	7/15/04,1530	7/15/04,1530	7/15/04,1530
Anions					
Nitrate-N	< 0.5	< 0.5	2.50	< 0.5	< 0.5
Sulfate	< 0.5	< 0.5	3.74	17.2	6.85
Date/Time Analyzed	7/14/04,1612	7/14/04,1628	7/14/04,1644	7/14/04,1700	7/14/04,1717

Lab Number:	K407917	K407918	K407919	K407920	K407921
Sample ID:	ECMW 18	ECMW 11	ECMW 10	ECMW 9	ECMW 5
Date/Time Collected:	7/13/04,1210	7/13/04,1130	7/13/04,1120	7/13/04,1110	7/13/04,1100
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	17.4	< 0.5	< 0.5	< 0.5
Date/Time Analyzed	7/14/04,1300	7/15/04,0900	7/15/04,0900	7/15/04,0900	7/15/04,0900
TDS	1100	480	920	1600	910
Date/Time Analyzed	7/15/04,1530	7/15/04,1530	7/15/04,1530	7/15/04,1530	7/15/04,1530
Anions					
Nitrate-N	< 0.5	13.6	114	24.6	3.75
Sulfate	5.68	222	112	588	511
Date/Time Analyzed	7/14/04,1733	7/14/04,1827 7/15/04,1340	7/14/04,1901	7/14/04,1916 7/15/04,1357	7/14/04,1933 7/15/04,1415

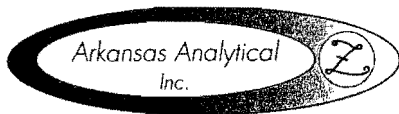
El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 3rd Quarter Groundwaters
 Description: Twenty six water samples received 7/14/04

ANALYTICAL RESULTS

Lab Number:	K407922	K407923	K407924	K407925	K407926
Sample ID:	ECMW 8	ECMW 7	ECMW 6	ECMW 6 Dup	ECMW 4
Date/Time Collected:	7/13/04,1040	7/13/04,1030	7/13/04,1020	7/13/04,1020	7/13/04,1010
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	120	73.4	17.9	17.5	< 0.5
Date/Time Analyzed	7/15/04,1300	7/15/04,1300	7/15/04,1300	7/15/04,1300	7/15/04,1300
TDS	2600	1600	6100	6200	5500
Date/Time Analyzed	7/15/04,1530	7/15/04,1530	7/15/04,1530	7/15/04,1530	7/15/04,1530
Anions					
Nitrate-N	354	150	995	868	< 0.5
Sulfate	767	498	11.7	11.7	973
Date/Time Analyzed	7/14/04,1950	7/14/04,2008	7/14/04,2025 7/15/04,1708	7/14/04,2042 7/15/04,1726	7/14/04,2059 7/15/04,1507

Lab Number:	K407927	K407928	K407929	K407930	K407931
Sample ID:	ECMW 3	ECMW 2	ECMW 1	ECMW 12	ECMW 13
Date/Time Collected:	7/13/04,1000	7/13/04,0950	7/13/04,0940	7/13/04,0930	7/13/04,0920
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	< 0.5	< 0.5	1.20	< 0.5
Date/Time Analyzed	7/15/04,1400	7/15/04,1400	7/15/04,1400	7/15/04,1400	7/15/04,1400
TDS	260	330	80	220	1100
Date/Time Analyzed	7/15/04,1530	7/15/04,1530	7/15/04,1530	7/15/04,1530	7/15/04,1530
Anions					
Nitrate-N	< 0.5	< 0.5	3.68	< 0.5	< 0.5
Sulfate	13.0	22.4	3.88	7.18	510
Date/Time Analyzed	7/14/04,2117	7/14/04,2134	7/14/04,2208	7/14/04,2226	7/14/04,2243 7/15/04,1524



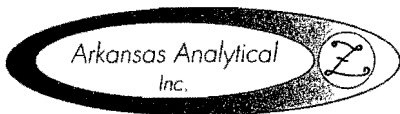
El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 3rd Quarter Groundwaters
 Description: Twenty six water samples received 7/14/04

ANALYTICAL RESULTS

Lab Number:	K407932	K407933	K407934	K407935	K407936
Sample ID:	ECMW 14	ECMW 14 Dup	ECMW 15	ECMW 16	ECMW 22
Date/Time Collected:	7/13/04,0910	7/13/04,0910	7/13/04,0900	7/13/04,0850	7/13/04,0840
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	< 0.5	< 0.5	9.35	< 0.5
Date/Time Analyzed	7/15/04,1300	7/15/04,1300	7/16/04,0830	7/16/04,0830	7/16/04,0830
TDS	820	840	110	160	140
Date/Time Analyzed	7/16/04,1400	7/16/04,1400	7/16/04,1400	7/16/04,1400	7/16/04,1400
Anions					
Nitrate-N	45.7	47.3	9.52	40.2	< 0.5
Sulfate	226	234	11.0	7.70	3.80
Date/Time Analyzed	7/15/04,0027 7/15/04,1541	7/15/04,0045 7/15/04,1559	7/15/04,0120	7/15/04,0212 7/15/04,1616	7/15/04,0229

Lab Number:	K407937
Sample ID:	ECMW 17
Date/Time Collected:	7/13/04,0830
Units:	mg/L
Wet Chemistry	
Ammonia-N	< 0.5
Date/Time Analyzed	7/16/04,0830
TDS	460
Date/Time Analyzed	7/16/04,1400
Anions	
Nitrate-N	67.6
Sulfate	6.54
Date/Time Analyzed	7/15/04,0247 7/15/04,1651



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

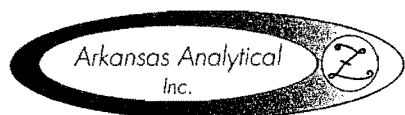
Re: 2004 3rd Quarter Groundwaters
 Description: Twenty six water samples received 7/14/04

ANALYTICAL RESULTS

Lab Number:	K407912	K407913	K407914	K407915	
Sample ID:	Field Blank	Field Blank	ECMW 21	ECMW 20	
Date/Time Collected:	7/13/04,0830	7/13/04,1430	7/13/04,1330	7/13/04,1300	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	0.056	< 0.02	7/14/04,1500
Total Lead	< 0.015	< 0.015	0.032	< 0.015	7/14/04,1500
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	7/19/04,1400
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	7/19/04,1400

Lab Number:	K407916	K407917	K407918	K407919	
Sample ID:	ECMW 19	ECMW 18	ECMW 11	ECMW 10	
Date/Time Collected:	7/13/04,1245	7/13/04,1210	7/13/04,1130	7/13/04,1120	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	0.043	< 0.02	< 0.02	7/14/04,1500
Total Lead	< 0.015	0.033	< 0.015	< 0.015	7/14/04,1500
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	7/19/04,1400
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	7/19/04,1400

Lab Number:	K407920	K407921	K407922	K407923	
Sample ID:	ECMW 9	ECMW 5	ECMW 8	ECMW 7	
Date/Time Collected:	7/13/04,1110	7/13/04,1100	7/13/04,1040	7/13/04,1030	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	7/14/04,1500
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	7/14/04,1500
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	7/19/04,1400
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	7/19/04,1400



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

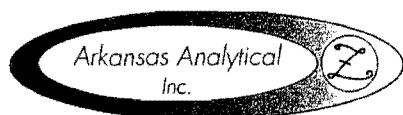
Re: 2004 3rd Quarter Groundwaters
 Description: Twenty six water samples received 7/14/04

ANALYTICAL RESULTS

Lab Number:	K407924	K407925	K407926	K407927	
Sample ID:	ECMW 6	ECMW 6 Dup	ECMW 4	ECMW 3	
Date/Time Collected:	7/13/04,1020	7/13/04,1020	7/13/04,1010	7/13/04,1000	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	7/14/04,1530
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	7/14/04,1530
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	7/19/04,1430
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	7/19/04,1430

Lab Number:	K407928	K407929	K407930	K407931	
Sample ID:	ECMW 2	ECMW 1	ECMW 12	ECMW 13	
Date/Time Collected:	7/13/04,0950	7/13/04,0940	7/13/04,0930	7/13/04,0920	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	7/14/04,1530
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	7/14/04,1530
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	7/19/04,1430
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	7/19/04,1430

Lab Number:	K407932	K407933	K407934	K407935	
Sample ID:	ECMW 14	ECMW 14 Dup	ECMW 15	ECMW 16	
Date/Time Collected:	7/13/04,0910	7/13/04,0910	7/13/04,0900	7/13/04,0850	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	7/14/04,1530
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	7/14/04,1530
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	7/19/04,1430
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	7/19/04,1430



El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

Re: 2004 3rd Quarter Groundwaters
Description: Twenty six water samples received 7/14/04

ANALYTICAL RESULTS

Lab Number:	K407936	K407937	
Sample ID:	ECMW 22	ECMW 17	
Date/Time Collected:	7/13/04,0840	7/13/04,0830	Date/Time Analyzed
Units:	mg/L	mg/L	
Metals			
Total Chromium	< 0.02	< 0.02	7/14/04,1530
Total Lead	< 0.015	< 0.015	7/14/04,1530
Dissolved Chromium	< 0.02	< 0.02	7/19/04,1430
Dissolved Lead	< 0.015	< 0.015	7/19/04,1430



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

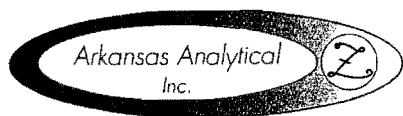
Re: 2004 3rd Quarter Groundwaters
 Description: Twenty six water samples received 7/14/04

QUALITY CONTROL RESULTS

	Blank	Percent Variance Duplicates	Percent Recovery Matrix Spike	Percent Recovery Control Spike	Method of Analysis
Wet Chemistry					
Lab Numbers: K407912-23	mg/L				
Ammonia-N	< 0.5	1.31	103	95.3	EPA 350.3
Lab Numbers: K407924-37	mg/L				
Ammonia-N	< 0.5	0.488	96.6	81.9	EPA 350.3
Lab Numbers: K407912-31	mg/L				
TDS	< 1.0	2.78	NA	108	EPA 160.1
Lab Numbers: K407932-37	mg/L				
TDS	< 1.0	5.13	NA	97.5	EPA 160.1
Anions					
Batch Number: K4092	mg/L				
Nitrate-N	< 0.5	0.192	106	104	SW 9056
Sulfate	< 0.5	0.200	98.4	99.7	SW 9056
Batch Number: K4093	mg/L				
Nitrate-N	< 0.5	0.290	103	104	SW 9056
Sulfate	< 0.5	0.702	99.8	99.8	SW 9056

NA means not analyzed.

Methods are from EPA 600/4-79-020, Revised March, 1983 and SW 846, Revised December, 1996.
 Instrument calibration and quality control samples performed at or above frequency
 specified in analytical method.



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 3rd Quarter Groundwaters
 Description: Twenty six water samples received 7/14/04

QUALITY CONTROL RESULTS

	Blank	Percent Variance Duplicates	Percent Recovery Matrix Spike	Percent Recovery Control Spike	Method of Analysis
Metals					
Batch Number: 0714WEDC1	mg/L				
Chromium	< 0.02	1.22/1.21	98.6	99.2	SW 6010B
Lead	< 0.015	0.604/3.36	99.3	101	SW 6010B
Dissolved Chromium	< 0.02	0.383/1.70	104	106	SW 6010B
Dissolved Lead	< 0.015	0.803/1.39	100	101	SW 6010B
Batch Number: 0714WEDC2	mg/L				
Chromium	< 0.02	0.579/0.964	104	104	SW 6010B
Lead	< 0.015	0.596/2.57	101	101	SW 6010B
Dissolved Chromium	< 0.02	0.241/0.962	82.9	104	SW 6010B
Dissolved Lead	< 0.015	0.250/0.983	79.9	102	SW 6010B

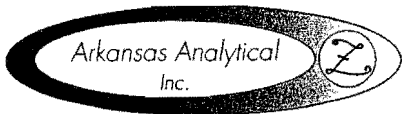
Methods are from EPA 600/4-79-020, Revised March, 1983 and SW 846, Revised December, 1996. Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Ammonia-N analyzed by: Andrea Fox
 Andrea Fox

TDS analyzed by: Teresa Canfield
 Teresa Canfield

Anions analyzed by: Mark Wilson
 Mark Wilson

Metals analyzed by: Wendy Harston, Joel Ledbetter
 Wendy Harston, Joel Ledbetter



CHAIN OF CUSTODY RECORD

pg. 1 of 3

CLIENT INFORMATION		Billing		Project Description		Turnaround Time		Preservation Codes:								
El Dorado Chemical Inc.		El Dorado Chemical Inc.		Groundwaters		(CIRCLE ONE)		1. Cool, 4 degrees Centigrade			4. Thiosulfate for dechlorination					
4500 Northwest Ave.		P.O. Box 231		Reporting Information		24 hour		2. Sulfuric Acid, pH < 2			5. Hydrochloric Acid for VOA					
El Dorado, AR 71731		El Dorado, AR 71731		Telephone: 1-870-863-1484		48 hour		3. Nitric Acid, pH < 2			6. Sodium Hydroxide, pH > 12					
Attn:		Bill to/P.O. #:		FAX: 1-870-863-1499		routine		TEST PARAMETERS								
						Preservative Code:		1,2	1,3	1						Bottle type code
						Bottle Type		P	P	P						G=glass;P=HDPE
																V=septum;A=amber
Rodney Durham EMS INC				RODNEY DURHAM EMS INC.										Arkansas Analytical Lab #		
Samplers:(Signature/s)				Samplers:(Printed)												
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION								Lab #	
1	7-13-04	8:30	L		2		FIELD BLANK								K407912	
2		2:30	L		2		FIELD BLANK								913	
3		1:30	L		2		ECMW-21								914	
4		1:00	L		2		ECMW-20								915	
5		12:45	L		2		ECMW-19								916	
6		12:10	L		2		ECMW-18								917	
7		11:50	L		2		ECMW-11								918	
8		11:20	L		2		ECMW-10								919	
9		11:10	L		2		ECMW-9								920	
10		11:00	L		2		ECMW-5								921	
11		10:40	L		2		ECMW-8								922	
12		10:30	L		2		ECMW-7								923	
1 Relinquished by:(Signature)		Date/Time		1. Received by:(Signature)		For completion by laboratory				REMARKS						
Rodney Durham EMS INC.		7-13-04 4:00		Fed Ex		Condition of samples: yes no										
						A. Containers Correct? <input checked="" type="checkbox"/> <input type="checkbox"/>										
2 Relinquished by:(Signature)		Date/Time		2. Received by laboratory :(Signature)		B. Preservation Correct?: <input checked="" type="checkbox"/> <input type="checkbox"/>										
Fed Ex		7-14-04, 0853		Sydney James		C. Seals Intact?: <input checked="" type="checkbox"/> <input type="checkbox"/>										

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		Billing		Project Description		Turnaround Time		Preservation Codes:											
El Dorado Chemical Inc.		El Dorado Chemical Inc.		Groundwaters		(CIRCLE ONE)		1. Cool, 4 degrees Centigrade				4. Thiosulfate for dechlorination							
4500 Northwest Ave.		P.O. Box 231		Reporting Information		24 hour		2. Sulfuric Acid, pH <2				5. Hydrochloric Acid for VOA							
El Dorado, AR 71731		El Dorado, AR 71731		Telephone: 1-870-863-1484		48 hour		3. Nitric Acid, pH <2				6. Sodium Hydroxide, pH >12							
Attn:		Bill to/P.O. #:		FAX: 1-870-863-1499		routine		TEST PARAMETERS								Bottle type code			
						Preservative Code:		1,2	1,3	1							G=glass;P=HDPE		
						Bottle Type		P	P	P							V=septum;A=amber		
Rodney Durbin EMS, Inc.				R. DURHAM EMS, Inc.														Arkansas Analytical Lab #	
Samplers: (Signature/s)				Samplers: (Printed)															
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION									Lab #			
13	7-13-04	10:20	✓		2		ECMW-6									K407924			
14		10:20	✓		2		ECMW-6 DUP									925			
15		10:10	✓		2		ECMW-4									926			
16		10:00	✓		2		ECMW-3									927			
17		9:50	✓		2		ECMW-2									928			
18		9:40	✓		2		ECMW-1									929			
19		9:30	✓		2		ECMW-12									930			
20		9:20	✓		2		ECMW-13									931			
21		9:10	✓		2		ECMW-14									932			
22		9:10	✓		2		ECMW-14 DUP									933			
23		9:00	✓		2		ECMW-15									934			
24		8:50	✓		2		ECMW-16									935			
1. Relinquished by: (Signature)		Date/Time		1. Received by: (Signature)		For completion by laboratory				REMARKS									
Rodney Durbin EMS, Inc.		7-13-04 4:00		Fred Ex		Condition of samples: yes no													
2. Relinquished by: (Signature)		Date/Time		2. Received by laboratory: (Signature)		A. Containers Correct? <input checked="" type="checkbox"/> <input type="checkbox"/>													
Fred Ex		7-14-04 0853		Sydney James		B. Preservation Correct? <input checked="" type="checkbox"/> <input type="checkbox"/>													
						C. Seals Intact? <input checked="" type="checkbox"/> <input type="checkbox"/>													

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		Billing		Project Description		Turnaround Time		Preservation Codes:								
El Dorado Chemical Inc.		El Dorado Chemical Inc.		Groundwaters		(CIRCLE ONE)		1. Cool, 4 degrees Centigrade			4. Thiosulfate for dechlorination					
4500 Northwest Ave.		P.O. Box 231		Reporting Information		24 hour		2. Sulfuric Acid, pH <2			5. Hydrochloric Acid for VOA					
El Dorado, AR 71731		El Dorado, AR 71731		Telephone: 1-870-863-1484		48 hour		3. Nitric Acid, pH <2			6. Sodium Hydroxide, pH >12					
Attn:		Bill to/P.O. #:		FAX: 1-870-863-1499		routine		TEST PARAMETERS								
						Preservative Code:		1,2	1,3	1						Bottle type code
						Bottle Type		P	P	P						G=glass;P=HDPE
<i>Rodney Durham</i> <i>EMS Inc</i>				<i>R. DURHAM</i> <i>EMS INC.</i>				Ammonia Cr, Pb TDS, Nitrate, Sulfate, Cr, or Pb						Bottle type code V=septum;A=amber		
Samplers: (Signature/s)				Samplers: (Printed)										Arkansas Analytical Lab #		
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION						Lab #			
24	7-13-04	8:40	✓		2		ECMW-22						K407936			
25	7-13-04	8:30	✓		2		ECMW-17						937			
1 Relinquished by: (Signature)		Date/Time		1 Received by: (Signature)		For completion by laboratory				REMARKS						
<i>R. Durham</i>		7-13-04		<i>Fred Ex</i>		Condition of samples: yes no				Added ECMW-17 7-14-04 - (S)						
<i>EMS INC.</i>		4:00				A. Containers Correct? <input checked="" type="checkbox"/> <input type="checkbox"/>										
2 Relinquished by: (Signature)		Date/Time		2 Received by laboratory: (Signature)		B. Preservation Correct? <input checked="" type="checkbox"/> <input type="checkbox"/>										
<i>Fred Ex</i>		7-14-04, 0853		<i>Sydney Samms</i>		C. Seals Intact? <input checked="" type="checkbox"/> <input type="checkbox"/>										

El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

11701 I-30 Bldg 1, Ste 115 • Little Rock, AR 72209
501-455-3233 • Fax 501-455-6118

Re: 2004 3rd Quarter Groundwaters
Description: Twenty-eight water samples received 9/15,16/04

ANALYTICAL RESULTS

Lab Number:	K409314	K409315	K409316	K409317	K409318
Sample ID:	ECMW-1	ECMW-9	ECMW-8	ECMW-7	ECMW-7 Dup
Date/Time Collected:	9/14/04,0850	9/14/04,0840	9/14/04,0830	9/14/04,0820	9/14/04,0820
Date Received:	9/15/2004	9/15/2004	9/15/2004	9/15/2004	9/15/2004
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	0.76	1.14	107	26.5	25.9
Date/Time Analyzed	9/16/04,0900	9/16/04,0900	9/16/04,0900	9/16/04,0900	9/16/04,0900
TDS	53	1500	2400	1000	990
Date/Time Analyzed	9/20/04,0820	9/20/04,0820	9/20/04,0820	9/20/04,0820	9/20/04,0820
Anions					
Nitrate-N	4.26	25.3	392	75.5	76.0
Sulfate	3.48	548	743	142	143
Date/Time Analyzed	9/15/04,1911	9/15/04,1926 9/15/04,1941	9/15/04,1956	9/15/04,2011 9/16/04,0904	9/15/04,2042 9/16/04,0919
Lab Number:	K409319	K409320	K409321	K409322	K409323
Sample ID:	ECMW-6	ECMW-5	ECMW-22	ECMW-11	ECMW-10
Date/Time Collected:	9/14/04,0810	9/14/04,0800	9/14/04,1000	9/14/04,0940	9/14/04,0930
Date Received:	9/15/2004	9/15/2004	9/15/2004	9/15/2004	9/15/2004
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	20	0.59	0.70	14.5	0.77
Date/Time Analyzed	9/16/04,0930	9/16/04,0930	9/16/04,0930	9/16/04,0930	9/16/04,0930
TDS	6300	700	170	480	1000
Date/Time Analyzed	9/20/04,0820	9/20/04,0820	9/20/04,0820	9/20/04,0820	9/20/04,0820
Anions					
Nitrate-N	1130	3.75	< 0.5	9.85	123
Sulfate	3.84	515	2.94	247	137
Date/Time Analyzed	9/15/04,2057 9/15/04,2112	9/15/04,2127 9/15/04,2142	9/15/04,2157	9/15/04,2212 9/16/04,0949	9/15/04,2227

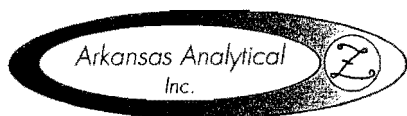
El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 3rd Quarter Groundwaters
 Description: Twenty-eight water samples received 9/15,16/04

ANALYTICAL RESULTS

Lab Number:	K409324	K409325	K409326	K409327	K409328
Sample ID:	ECMW-4	ECMW-3	ECMW-2	ECMW-15	ECMW-16
Date/Time Collected:	9/14/04,0920	9/14/04,0910	9/14/04,0900	9/14/04,1030	9/14/04,1020
Date Received:	9/15/2004	9/15/2004	9/15/2004	9/15/2004	9/15/2004
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	0.68	< 0.5	< 0.5	0.61	8.57
Date/Time Analyzed	9/16/04,0930	9/16/04,0930	9/16/04,0930	9/16/04,0930	9/16/04,0930
TDS	5200	220	340	100	190
Date/Time Analyzed	9/20/04,0820	9/20/04,0820	9/20/04,0820	9/20/04,0820	9/20/04,0820
Anions					
Nitrate-N	< 0.5	< 0.5	< 0.5	8.22	47.1
Sulfate	943	18.3	24.3	13.2	7.83
Date/Time Analyzed	9/15/04,2242 9/15/04,2257	9/15/04,2327	9/15/04,2342	9/15/04,2357	9/16/04,0012 9/16/04,0027

Lab Number:	K409329	K409330	K409331	K409332	K409333
Sample ID:	ECMW-17	ECMW-14	ECMW-13	ECMW-13 Dup	Field Blank
Date/Time Collected:	9/14/04,1010	9/14/04,1040	9/14/04,1050	9/14/04,1050	9/14/04,1100
Date Received:	9/15/2004	9/15/2004	9/15/2004	9/15/2004	9/15/2004
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	1.42	< 0.5	0.50	0.51	< 0.5
Date/Time Analyzed	9/16/04,1000	9/16/04,1000	9/17/04,0900	9/17/04,0900	9/17/04,0900
TDS	570	900	940	960	10
Date/Time Analyzed	9/20/04,0820	9/20/04,0820	9/20/04,0820	9/20/04,0830	9/20/04,0830
Anions					
Nitrate-N	78.4	57.7	< 0.5	< 0.5	< 0.5
Sulfate	3.14	232	416	425	< 0.5
Date/Time Analyzed	9/16/04,0213 9/16/04,0934	9/16/04,0228 9/16/04,0243	9/16/04,0258 9/16/04,0313	9/16/04,0328 9/16/04,0343	9/16/04,0358



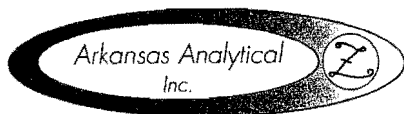
El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 3rd Quarter Groundwaters
 Description: Twenty-eight water samples received 9/15,16/04

ANALYTICAL RESULTS

Lab Number:	K409379	K409380	K409381	K409382	K409383
Sample ID:	Trip Blank	Field Blank	MW-2	MW-1	ECMW-12
Date/Time Collected:	9/15/2004	9/15/04,1100	9/15/04,1030	9/15/04,1015	9/15/04,1000
Date Received:	9/15/2004	9/15/2004	9/15/2004	9/15/2004	9/15/2004
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	< 0.5	< 0.5	0.55	2.38
Date/Time Analyzed	9/17/04,0900	9/17/04,0900	9/17/04,0900	9/17/04,0900	9/17/04,0900
TDS	< 1.0	< 1.0	1800	670	440
Date/Time Analyzed	9/20/04,0830	9/20/04,0830	9/20/04,0830	9/20/04,0830	9/20/04,0830
Anions					
Nitrate-N	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Sulfate	< 0.5	< 0.5	617	173	23.0
Date/Time Analyzed	9/16/04,2058	9/16/04,2113	9/16/04,2144 9/17/04,1111	9/16/04,2159 9/17/04,1126	9/16/04,2214

Lab Number:	K409384	K409385	K409386	K409387	K409388
Sample ID:	ECMW-21	ECMW-20	ECMW-19	ECMW-18	MW-3
Date/Time Collected:	9/15/04,0945	9/15/04,0915	9/15/04,0900	9/15/04,0830	9/15/04,1045
Date Received:	9/15/2004	9/15/2004	9/15/2004	9/15/2004	9/15/2004
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	0.81	0.86	0.54	0.56	0.61
Date/Time Analyzed	9/17/04,0900	9/17/04,0900	9/17/04,0900	9/17/04,0900	9/17/04,0900
TDS	150	120	120	1200	2100
Date/Time Analyzed	9/20/04,0830	9/20/04,0830	9/20/04,0830	9/20/04,0830	9/20/04,0830
Anions					
Nitrate-N	4.65	< 0.5	< 0.5	< 0.5	< 0.5
Sulfate	4.15	17.2	4.11	3.88	402
Date/Time Analyzed	9/16/04,2229	9/16/04,2245	9/16/04,2300	9/16/04,2315	9/16/04,2330 9/17/04,1141



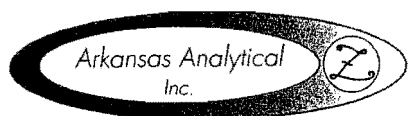
El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 3rd Quarter Groundwaters
 Description: Twenty-eight water samples received 9/15,16/04

ANALYTICAL RESULTS

Lab Number:	K409383	K409384	K409385	K409386	
Sample ID:	ECMW-12	ECMW-21	ECMW-20	ECMW-19	
Date/Time Collected:	9/15/04,1000	9/15/04,0945	9/15/04,0915	9/15/04,0900	
Date Received:	9/15/2004	9/15/2004	9/15/2004	9/15/2004	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	0.029	< 0.02	< 0.02	9/16/04,1330
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	9/16/04,1330
Total Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	9/16/04,1330
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	9/21/04,1500
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	9/21/04,1500

Lab Number:	K409387	K409388	
Sample ID:	ECMW-18	MW-3	
Date/Time Collected:	9/15/04,0830	9/15/04,1045	
Date Received:	9/15/2004	9/15/2004	Date/Time Analyzed
Units:	mg/L	mg/L	
Metals			
Total Chromium	0.120	< 0.02	9/16/04,1330
Total Lead	0.109	< 0.015	9/16/04,1330
Total Vanadium	0.213	0.021	9/16/04,1330
Dissolved Chromium	0.050	< 0.02	9/21/04,1500
Dissolved Lead	0.038	< 0.015	9/21/04,1500



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

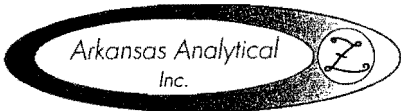
Re: 2004 3rd Quarter Groundwaters
 Description: Twenty-eight water samples received 9/15,16/04

ANALYTICAL RESULTS

Lab Number:	K409314	K409315	K409316	K409317	
Sample ID:	ECMW-1	ECMW-9	ECMW-8	ECMW-7	
Date/Time Collected:	9/14/04,0850	9/14/04,0840	9/14/04,0830	9/14/04,0820	
Date Received:	9/15/2004	9/15/2004	9/15/2004	9/15/2004	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	9/16/04,0900
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	9/16/04,0900
Total Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	9/16/04,0900
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	9/21/04,1430
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	9/21/04,1430

Lab Number:	K409318	K409319	K409320	K409321	
Sample ID:	ECMW-7 Dup	ECMW-6	ECMW-5	ECMW-22	
Date/Time Collected:	9/14/04,0820	9/14/04,0810	9/14/04,0800	9/14/04,1000	
Date Received:	9/15/2004	9/15/2004	9/15/2004	9/15/2004	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	9/16/04,0900
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	9/16/04,0900
Total Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	9/16/04,0900
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	9/21/04,1430
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	9/21/04,1430

Lab Number:	K409322	K409323	K409324	K409325	
Sample ID:	ECMW-11	ECMW-10	ECMW-4	ECMW-3	
Date/Time Collected:	9/14/04,0940	9/14/04,0930	9/14/04,0920	9/14/04,0910	
Date Received:	9/15/2004	9/15/2004	9/15/2004	9/15/2004	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	9/16/04,0900
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	9/16/04,0900
Total Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	9/16/04,0900
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	9/21/04,1430
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	9/21/04,1430



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

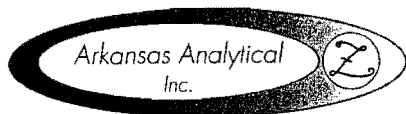
Re: 2004 3rd Quarter Groundwaters
 Description: Twenty-eight water samples received 9/15,16/04

ANALYTICAL RESULTS

Lab Number:	K409326	K409327	K409328	K409329	
Sample ID:	ECMW-2	ECMW-15	ECMW-16	ECMW-17	
Date/Time Collected:	9/14/04,0900	9/14/04,1030	9/14/04,1020	9/14/04,1010	
Date Received:	9/15/2004	9/15/2004	9/15/2004	9/15/2004	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	9/16/04,0900
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	9/16/04,0900
Total Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	9/16/04,0900
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	9/21/04,1430
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	9/21/04,1430

Lab Number:	K409330	K409331	K409332	K409333	
Sample ID:	ECMW-14	ECMW-13	ECMW-13 Dup	Field Blank	
Date/Time Collected:	9/14/04,1040	9/14/04,1050	9/14/04,1050	9/14/04,1100	
Date Received:	9/15/2004	9/15/2004	9/15/2004	9/15/2004	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	< 0.02	< 0.02	9/16/04,0900
Total Lead	< 0.015	< 0.015	< 0.015	< 0.015	9/16/04,0900
Total Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	9/16/04,0900
Dissolved Chromium	< 0.02	< 0.02	< 0.02	< 0.02	9/21/04,1430
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	9/21/04,1430

Lab Number:	K409379	K409380	K409381	K409382	
Sample ID:	Trip Blank	Field Blank	MW-2	MW-1	
Date/Time Collected:	9/15/2004	9/15/04,1100	9/15/04,1030	9/15/04,1015	
Date Received:	9/15/2004	9/15/2004	9/15/2004	9/15/2004	Date/Time Analyzed
Units:	mg/L	mg/L	mg/L	mg/L	
Metals					
Total Chromium	< 0.02	< 0.02	0.030	0.032	9/16/04,1330
Total Lead	< 0.015	< 0.015	0.019	0.019	9/16/04,1330
Total Vanadium	< 0.02	< 0.02	0.044	0.057	9/16/04,1330
Dissolved Chromium	< 0.02	< 0.02	< 0.02	0.043	9/21/04,1500
Dissolved Lead	< 0.015	< 0.015	< 0.015	< 0.015	9/21/04,1500



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 3rd Quarter Groundwaters
 Description: Twenty-eight water samples received 9/15,16/04

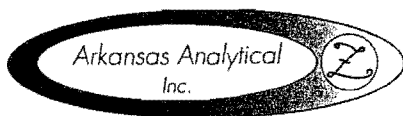
QUALITY CONTROL RESULTS

	Blank	Percent Variance Duplicates	Percent Recovery Matrix Spike	Percent Recovery Control Spike	Method of Analysis
Wet Chemistry					
Lab Numbers: K409314-330					
Ammonia-N	mg/L < 0.5	0.720	95.2	104	EPA 350.3
Lab Numbers: K409331-33, 379-88					
Ammonia-N	mg/L < 0.5	1.97	110	109	EPA 350.3
Lab Numbers: K409314-31					
TDS	mg/L < 1.0	8.0	NA	98.8	EPA 160.1
Lab Numbers: K409332-33, 379-88					
TDS	mg/L < 1.0	4.04	NA	97.7	EPA 160.1
Anions					
Batch Number: K4113					
Nitrate-N	mg/L < 0.5	0.183	109	109	SW 9056
Sulfate	< 0.5	0.187	107	107	SW 9056
Batch Number: K4114					
Nitrate-N	mg/L < 0.5	0.277	107	108	SW 9056
Sulfate	< 0.5	0.384	107	104	SW 9056
Batch Number: K4116					
Nitrate-N	mg/L < 0.5	0.279	107	107	SW 9056
Sulfate	< 0.5	0.00	106	106	SW 9056

NA means not analyzed.

Methods are from EPA 600/4-79-020, Revised March, 1983 and SW 846, Revised December, 1996.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.



El Dorado Chemical Inc.
 4500 Northwest Avenue
 El Dorado, AR 71731
 Attn: Wes Morgan

Re: 2004 3rd Quarter Groundwaters
 Description: Twenty-eight water samples received 9/15,16/04

QUALITY CONTROL RESULTS

	Blank	Percent Variance Duplicates	Percent Recovery Matrix Spike	Percent Recovery Control Spike	Method of Analysis
Metals					
Batch Number: 0916WA	mg/L				
Total Chromium	< 0.02	3.78/1.38	101	102	SW 6010B
Total Lead	< 0.015	2.67/1.22	97.3	98.2	SW 6010B
Total Vanadium	< 0.02	4.49/0.501	100	99.8	SW 6010B
Dissolved Chromium	< 0.02	2.40/0.993	100	101	SW 6010B
Dissolved Lead	< 0.015	2.44/1.62	98.2	99.0	SW 6010B
Batch Number: 0916WB	mg/L				
Total Chromium	< 0.02	1.21/3.02	99.0	99.3	SW 6010B
Total Lead	< 0.015	1.04/3.50	96.1	97.1	SW 6010B
Total Vanadium	< 0.02	0.519/2.57	96.3	97.3	SW 6010B
Dissolved Chromium	< 0.02	0.407/3.64	98.2	98.8	SW 6010B
Dissolved Lead	< 0.015	0.416/3.47	96.2	97.9	SW 6010B

Methods are from EPA 600/4-79-020, Revised March, 1983 and SW 846, Revised December, 1996.
 Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Ammonia-N analyzed by: Andrea Fox
 Andrea Fox

TDS analyzed by: Teresa Canfield
 Teresa Canfield

Anions analyzed by: Tracy Bounds, Lessie Redican
 Tracy Bounds, Lessie Redican

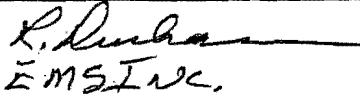
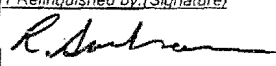
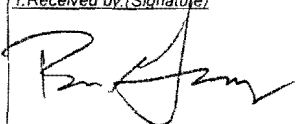
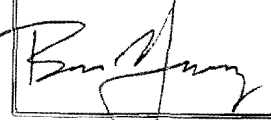
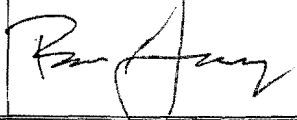
Metals analyzed by: Wendy Harston, Joel Ledbetter
 Wendy Harston, Joel Ledbetter



CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		Billing		Project Description		Turnaround Time		Preservation Codes:								
El Dorado Chemical Inc.		El Dorado Chemical Inc.		Groundwaters		(CIRCLE ONE)		1. Cool, 4 degrees Centigrade			4. Thiosulfate for dechlorination					
4500 Northwest Ave.		P.O. Box 231		Reporting Information		24 hour		2. Sulfuric Acid, pH <2			5. Hydrochloric Acid for VOA					
El Dorado, AR 71731		El Dorado, AR 71731		Telephone: 1-870-863-1484		48 hour		3. Nitric Acid, pH <2			6. Sodium Hydroxide, pH >12					
Attn:		Bill to/P.O. #:		FAX: 1-870-863-1499		routine		TEST PARAMETERS						Bottle type code		
						Preservative Code:		1,2	1,3	1						G=glass;P=HDPE
						Bottle Type:		P	P	P						V=septum;A=amber
<i>R. Durham</i> EMS INC				R. DURHAM				Ammonia Cr, Pb TDS, Nitrate, Sulfate, d Cr, d Pb						Arkansas Analytical Lab #		
Samplers: (Signature/s)				Samplers: (Printed)												
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION	TEST PARAMETERS						Arkansas Analytical Lab #		
	Date/s	Time/s						1,2	1,3	1						
1	9-14-04	8:50	✓		3		ECMW-7								409314	
2		8:40	✓		3		ECMW-9								315	
3		8:30	✓		3		ECMW-8								316	
4		8:20	✓		3		ECMW-7								317	
5		8:20	✓		3		ECMW-7 DUP								318	
6		8:10	✓		3		ECMW-6								319	
7		8:00	✓		3		ECMW-5								320	
8		10:00	✓		3		ECMW-22								321	
9		9:40	✓		3		ECMW-11								322	
10		9:30	✓		3		ECMW-10								323	
11		9:20	✓		3		ECMW-4								324	
12		9:10	✓		3		ECMW-3								325	
1. Relinquished by: (Signature)		Date/Time		1. Received by: (Signature)		For completion by laboratory				REMARKS						
<i>R. Durham</i>		9-14-04 11:30		Velocity		Condition of samples: yes no				NOTE TEST ADDITIONS						
A. Containers Correct?						<input checked="" type="checkbox"/> <input type="checkbox"/>										
B. Preservation Correct?						<input checked="" type="checkbox"/> <input type="checkbox"/>										
2. Relinquished by: (Signature)		Date/Time		2. Received by laboratory: (Signature)		C. Seals intact:?										
Velocity		9-15-04, 1520		Sydney James		<input checked="" type="checkbox"/> <input type="checkbox"/>										

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		Billing		Project Description		Turnaround Time		Preservation Codes:									
El Dorado Chemical Inc.		El Dorado Chemical Inc.		Groundwaters		(CIRCLE ONE)		1. Cool, 4 degrees Centigrade			4. Thiosulfate for dechlorination						
4500 Northwest Ave.		P.O. Box 231		Reporting Information		24 hour		2. Sulfuric Acid, pH <2			5. Hydrochloric Acid for VOA						
El Dorado, AR 71731		El Dorado, AR 71731		Telephone: 1-870-863-1484		48 hour		3. Nitric Acid, pH <2			6. Sodium Hydroxide, pH >12						
Attn:		Bill to/P.O. #:		FAX: 1-870-863-1499		routine		TEST PARAMETERS									
						Preservative Code:		1,2	1,3	1						Bottle type code	
						Bottle Type		P	P	P						G=glass;P=HDPE V=septum;A=amber	
 EMSI Inc.				R. DURHAM						Ammonia Cr. Pb TDS, Nitrate, Sulfate, d Cr, d Pb Total V						Arkansas Analytical Lab #	
Samplers: (Signature/s)				Samplers: (Printed)													
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION	Ammonia	Cr. Pb	TDS, Nitrate, Sulfate, d Cr, d Pb	Total V						Lab #
1	9-15-04		L		3		TRIP BLANK	✓	✓	✓	✓						K409379
2		11:00	L		3		FIELD BLANK										380
3		10:30	L		3		MW-2										381
4		10:15	L		3		MW-1										382
5		10:00	L		3		ECMW-12										383
6		9:45	L		3		ECMW-21										384
7		9:15	L		3		ECMW-20										385
8		9:00	L		3		ECMW-19										386
9		8:30	L		3		ECMW-18										387
10		10:45	L		3		MW-3										388
1 Relinquished by: (Signature)		Date/Time		1 Received by: (Signature)		For completion by laboratory				REMARKS							
		9-15-04 11:00				Condition of samples: yes no				NOTE: TEST ADDITIONS							
						A. Containers Correct? <input checked="" type="checkbox"/> <input type="checkbox"/>				NOTE: 3 NEW WELLS							
2 Relinquished by: (Signature)		Date/Time		2 Received by laboratory: (Signature)		B. Preservation Correct? <input checked="" type="checkbox"/> <input type="checkbox"/>											
		9/16/04 0830				C. Seals Intact? <input checked="" type="checkbox"/> <input type="checkbox"/>											

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		Billing		Project Description		Turnaround Time		Preservation Codes:								
El Dorado Chemical Inc.		El Dorado Chemical Inc.		Groundwaters		(CIRCLE ONE)		1. Cool, 4 degrees Centigrade			4. Thiosulfate for dechlorination					
4500 Northwest Ave.		P.O. Box 231		Reporting Information		24 hour		2. Sulfuric Acid, pH <2			5. Hydrochloric Acid for VOA					
El Dorado, AR 71731		El Dorado, AR 71731		Telephone: 1-870-863-1484		48 hour		3. Nitric Acid, pH <2			6. Sodium Hydroxide, pH >12					
Attn:		Bill to/P.O. #:		FAX: 1-870-863-1499		routine		TEST PARAMETERS						Bottle type code		
						Preservative Code:		1,2	1,3	1						G=glass;P=HDPE
						Bottle Type		P	P	P						V=septum;A=amber
<i>R. Durham</i> EMS Inc				R. DURHAM				Ammonia Cr, Pb TDS, Nitrate, Sulfate, d Cr, d Pb						Arkansas Analytical Lab #		
Samplers: (Signature/s)				Samplers: (Printed)												
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION	TEST PARAMETERS						Arkansas Analytical Lab #		
	Date/s	Time/s						1,2	1,3	1						
1	9-14-04	8:50	✓		3	ECMW-7										K409314
2		8:40	✓		3	ECMW-9										315
3		8:30	✓		3	ECMW-8										316
4		8:20	✓		3	ECMW-7										317
5		8:20	✓		3	ECMW-7 DUP										318
6		8:10	✓		3	ECMW-6										319
7		8:00	✓		3	ECMW-5										320
8		10:00	✓		3	ECMW-22										321
9		9:40	✓		3	ECMW-11										322
10		9:30	✓		3	ECMW-10										323
11		9:20	✓		3	ECMW-4										324
12		9:10	✓		3	ECMW-3										325
1 Relinquished by: (Signature)		Date/Time		1 Received by: (Signature)		For completion by laboratory				REMARKS						
<i>R. Durham</i>		9-14-04 11:30		Velocity		Condition of samples: yes no				NOTE TEST ADDITIONS						
A. Containers Correct:?						<input checked="" type="checkbox"/> yes <input type="checkbox"/> no										
B. Preservation Correct:?						<input checked="" type="checkbox"/> yes <input type="checkbox"/> no										
2 Relinquished by: (Signature)		Date/Time		2 Received by laboratory: (Signature)		C. Seals intact:?										
Velocity		9-15-04, 1520		Sylvia James		<input checked="" type="checkbox"/> yes <input type="checkbox"/> no										

11/29/2004



El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

11701 I-30 Bldg 1, Ste 115 • Little Rock, AR 72209
501-455-3233 • Fax 501-455-6118

Re: 2004 4th Quarter Groundwaters
Description: Thirty-one water samples received 11/17,18/04

ANALYTICAL RESULTS

Lab Number:	K411610	K411611	K411612	K411613	K411614
Sample ID:	ECMW-2	ECMW-1	ECMW-10	ECMW-12	ECMW-5
Date/Time Collected:	11/16/04,1020	11/16/04,1010	11/16/04,1030	11/16/04,1000	11/16/04,0950
Date Received:	11/17/2004	11/17/2004	11/17/2004	11/17/2004	11/17/2004
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	< 0.5	< 0.5	1.55	< 0.5
Date/Time Analyzed	11/22/04,0900	11/22/04,0900	11/22/04,0900	11/22/04,0900	11/22/04,0900
TDS	320	58	800	340	850
Date/Time Analyzed	11/19/04,0940	11/19/04,0940	11/19/04,0940	11/19/04,0940	11/19/04,0940
Anions					
Nitrate-N	< 0.5	3.81	94.4	< 0.5	3.33
Sulfate	21.5	3.90	71.1	18.5	502
Date/Time Analyzed	11/17/04,1534	11/17/04,1550	11/17/04,1605	11/17/04,1620	11/17/04,1636 11/17/04,1651
Total Metals					
Chromium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Lead	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Date/Time Analyzed	11/18/04,0900	11/18/04,0900	11/18/04,0900	11/18/04,0900	11/18/04,0900
Dissolved Metals					
Chromium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Lead	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Date/Time Analyzed	11/23/04,0830	11/23/04,0830	11/23/04,0830	11/23/04,0830	11/23/04,0830

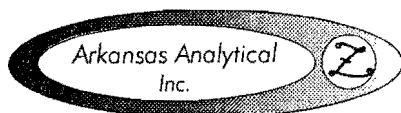
11/29/2004

El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

Re: 2004 4th Quarter Groundwaters
Description: Thirty-one water samples received 11/17,18/04

ANALYTICAL RESULTS

Lab Number:	K411615	K411616	K411617	K411618	K411619
Sample ID:	ECMW-4	ECMW-3	ECMW-6	ECMW-7	ECMW-8
Date/Time Collected:	11/16/04,0930	11/16/04,0940	11/16/04,0920	11/16/04,0910	11/16/04,0900
Date Received:	11/17/2004	11/17/2004	11/17/2004	11/17/2004	11/17/2004
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	< 0.5	37.6	219	82.1
Date/Time Analyzed	11/22/04,0900	11/22/04,0900	11/22/04,0900	11/22/04,0900	11/22/04,0900
TDS	4600	260	7100	1700	2800
Date/Time Analyzed	11/19/04,0940	11/19/04,0940	11/19/04,0940	11/19/04,0940	11/19/04,0940
Anions					
Nitrate-N	< 0.5	< 0.5	1140	370	304
Sulfate	874	18.8	4.40	428	808
Date/Time Analyzed	11/17/04,1707 11/17/04,1722	11/17/04,1738	11/17/04,1839 11/17/04,1855	11/18/04,0035 11/19/04,0326	11/17/04,2027
Total Metals					
Chromium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Lead	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Date/Time Analyzed	11/18/04,0900	11/18/04,0900	11/18/04,0900	11/18/04,0900	11/18/04,0900
Dissolved Metals					
Chromium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Lead	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Date/Time Analyzed	11/23/04,0830	11/23/04,0830	11/23/04,0830	11/23/04,0830	11/23/04,0830



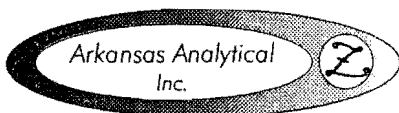
11/29/2004

El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

Re: 2004 4th Quarter Groundwaters
Description: Thirty-one water samples received 11/17,18/04

ANALYTICAL RESULTS

Lab Number:	K411620	K411621	K411622	K411623	K411624
Sample ID:	ECMW-9	ECMW-13	ECMW-14	ECMW-15	ECMW-16
Date/Time Collected:	11/16/04,0850	11/16/04,0840	11/16/04,0830	11/16/04,0820	11/16/04,0810
Date Received:	11/17/2004	11/17/2004	11/17/2004	11/17/2004	11/17/2004
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	0.70	< 0.5	< 0.5	< 0.5	6.49
Date/Time Analyzed	11/22/04,0900	11/22/04,0900	11/22/04,0900	11/22/04,0900	11/22/04,0900
TDS	580	1500	660	110	310
Date/Time Analyzed	11/19/04,0940	11/19/04,0940	11/19/04,0940	11/19/04,0940	11/19/04,0940
Anions					
Nitrate-N	24.0	< 0.5	21.7	7.42	38.2
Sulfate	549	250	168	11.8	8.11
Date/Time Analyzed	11/17/04,2043 11/17/04,2058	11/17/04,2129 11/17/04,2145	11/17/04,2200	11/17/04,2216	11/17/04,2231 11/17/04,2247
Total Metals					
Chromium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Lead	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Date/Time Analyzed	11/18/04,0900	11/18/04,0900	11/18/04,0900	11/18/04,0900	11/18/04,0900
Dissolved Metals					
Chromium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Lead	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Date/Time Analyzed	11/23/04,0830	11/23/04,0830	11/23/04,0830	11/23/04,0830	11/23/04,0830



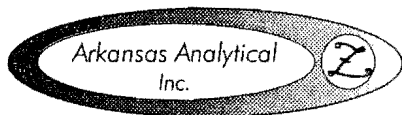
11/29/2004

El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

Re: 2004 4th Quarter Groundwaters
Description: Thirty-one water samples received 11/17,18/04

ANALYTICAL RESULTS

Lab Number:	K411625	K411626	K411627	K411676	K411677
Sample ID:	ECMW-16Dup	ECMW-17	ECMW-22	Field Blank	Field Blank
Date/Time Collected:	11/16/04,0810	11/16/04,0755	11/16/04,0745	11/16/04,1000	11/17/04,1100
Date Received:	11/17/2004	11/17/2004	11/17/2004	11/18/2004	11/18/2004
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	6.87	9.55	< 0.5	< 0.5	< 0.5
Date/Time Analyzed	11/22/04,0900	11/22/04,0900	11/22/04,0900	11/23/04,0900	11/23/04,0900
TDS	270	1800	180	8.0	< 1.0
Date/Time Analyzed	11/19/04,0940	11/19/04,0940	11/19/04,0940	11/22/04,1130	11/22/04,1130
Anions					
Nitrate-N	38.3	219	< 0.5	< 0.5	< 0.5
Sulfate	8.02	54.8	2.51	< 0.5	< 0.5
Date/Time Analyzed	11/17/04,2302 11/17/04,2318	11/17/04,2333 11/17/04,2349 11/19/04,0342	11/18/04,0019	11/18/04,1829	11/18/04,1845
Total Metals					
Chromium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Lead	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Date/Time Analyzed	11/18/04,0900	11/18/04,0900	11/18/04,0900	11/22/04,0800	11/22/04,0800
Dissolved Metals					
Chromium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Lead	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Date/Time Analyzed	11/23/04,0830	11/23/04,0830	11/23/04,0830	11/23/04,1100	11/23/04,1100



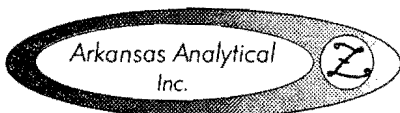
11/29/2004

El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

Re: 2004 4th Quarter Groundwaters
Description: Thirty-one water samples received 11/17,18/04

ANALYTICAL RESULTS

Lab Number:	K411678	K411679	K411680	K411681	K411682
Sample ID:	Trip Blank	ECMW-21	ECMW-19	ECMW-18	ECMW-18Dup
Date/Time Collected:	Lab	11/17/04,1030	11/17/04,0950	11/17/04,0930	11/17/04,0930
Date Received:	11/18/2004	11/18/2004	11/18/2004	11/18/2004	11/18/2004
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Date/Time Analyzed	11/23/04,0900	11/23/04,0900	11/23/04,0900	11/23/04,0900	11/23/04,0900
TDS	< 1.0	110	130	1100	1100
Date/Time Analyzed	11/22/04,1130	11/22/04,1130	11/22/04,1130	11/22/04,1130	11/22/04,1130
Anions					
Nitrate-N	< 0.5	2.97	< 0.5	< 0.5	< 0.5
Sulfate	< 0.5	3.14	4.63	4.61	4.85
Date/Time Analyzed	11/18/04,1900	11/18/04,1915	11/18/04,1913	11/18/04,2001	11/18/04,2017
Total Metals					
Chromium	< 0.02	0.047	< 0.02	0.027	0.043
Lead	< 0.015	< 0.015	< 0.015	< 0.015	0.030
Vanadium	< 0.02	< 0.02	< 0.02	0.045	0.079
Date/Time Analyzed	11/22/04,0800	11/22/04,0800	11/22/04,0800	11/22/04,0800	11/22/04,0800
Dissolved Metals					
Chromium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Lead	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Date/Time Analyzed	11/23/04,1100	11/23/04,1100	11/23/04,1100	11/23/04,1100	11/23/04,1100



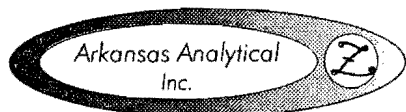
11/29/2004

El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

Re: 2004 4th Quarter Groundwaters
Description: Thirty-one water samples received 11/17,18/04

ANALYTICAL RESULTS

Lab Number:	K411683	K411684	K411685	K411686	K411687
Sample ID:	ECMW-20	ECMW-11	MW-1	MW-2	MW-3
Date/Time Collected:	11/17/04,1000	11/17/04,0920	11/17/04,0910	11/17/04,0900	11/17/04,0845
Date Received:	11/18/2004	11/18/2004	11/18/2004	11/18/2004	11/18/2004
Units:	mg/L	mg/L	mg/L	mg/L	mg/L
Wet Chemistry					
Ammonia-N	< 0.5	19.1	< 0.5	< 0.5	< 0.5
Date/Time Analyzed	11/23/04,0900	11/23/04,0900	11/23/04,0900	11/23/04,0900	11/23/04,0900
TDS	160	450	370	1900	1900
Date/Time Analyzed	11/22/04,1130	11/22/04,1130	11/22/04,1130	11/22/04,1130	11/22/04,1130
Anions					
Nitrate-N	< 0.5	11.1	< 0.5	< 0.5	< 0.5
Sulfate	13.5	209	105	540	348
Date/Time Analyzed	11/18/04,2032	11/18/04,2047 11/18/04,2102	11/18/04,2118 11/19/04,1118	11/18/04,2149 11/19/04,1133	11/18/04,2219 11/18/04,2250
Total Metals					
Chromium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Lead	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Date/Time Analyzed	11/22/04,0800	11/22/04,0800	11/22/04,0800	11/22/04,0800	11/22/04,0800
Dissolved Metals					
Chromium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Lead	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015
Vanadium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Date/Time Analyzed	11/23/04,1100	11/23/04,1100	11/23/04,1100	11/23/04,1100	11/23/04,1100



11/29/2004

El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

Re: 2004 4th Quarter Groundwaters
Description: Thirty-one water samples received 11/17,18/04

ANALYTICAL RESULTS

Lab Number: K411688
Sample ID: MW-4
Date/Time Collected: 11/17/04,0830
Date Received: 11/18/2004
Units: mg/L

Wet Chemistry

Ammonia-N < 0.5
Date/Time Analyzed 11/23/04,0900

TDS 320
Date/Time Analyzed 11/22/04,1130

Anions

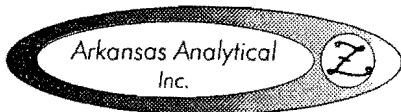
Nitrate-N 0.54
Sulfate 103
Date/Time Analyzed 11/18/04,2305
11/18/04,2320

Total Metals

Chromium < 0.02
Lead < 0.015
Vanadium < 0.02
Date/Time Analyzed 11/22/04,0800

Dissolved Metals

Chromium < 0.02
Lead < 0.015
Vanadium < 0.02
Date/Time Analyzed 11/23/04,1100



11/29/2004

El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

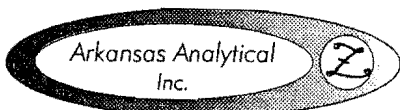
Re: 2004 4th Quarter Groundwaters
Description: Thirty-one water samples received 11/17,18/04

QUALITY CONTROL RESULTS

	Blank	Percent Variance Duplicates	Percent Recovery Matrix Spike	Percent Recovery Control Spike	Method of Analysis
Lab Numbers: K411610-27					
Wet Chemistry	mg/L				
Ammonia-N	< 0.5	0.00	95.8	104	EPA 350.3
Lab Numbers: K411676-88					
Wet Chemistry	mg/L				
Ammonia-N	< 0.5	0.790	90.8	102	EPA 350.3
Lab Numbers: K411610-27					
Wet Chemistry	mg/L				
TDS	< 1.0	2.94	NA	98.4	EPA 160.1
Lab Numbers: K411676-88					
Wet Chemistry	mg/L				
TDS	< 1.0	0.00	NA	99.2	EPA 160.1
Batch Number: K4148					
Anions	mg/L				
Nitrate-N	< 0.5	0.301	100	99.6	SW 9056
Sulfate	< 0.5	0.00	103	102	SW 9056

NA means not analyzed.

Methods are from EPA 600/4-79-020, Revised March, 1983 and SW 846, Revised December, 1996.
Instrument calibration and quality control samples performed at or above frequency
specified in analytical method.



11/29/2004

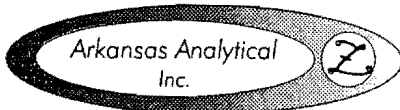
El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

Re: 2004 4th Quarter Groundwaters
Description: Thirty-one water samples received 11/17,18/04

QUALITY CONTROL RESULTS

	Blank	Percent Variance Duplicates	Percent Recovery Matrix Spike	Percent Recovery Control Spike	Method of Analysis
Batch Number: K4149					
Anions	mg/L				
Nitrate-N	< 0.5	1.61	95.0	93.3	SW 9056
Sulfate	< 0.5	1.30	98.6	96.0	SW 9056
Batch Number: 1118W					
Total Metals	mg/L				
Chromium	< 0.02	1.72/1.44	93.0	97.1	SW 6010B
Lead	< 0.015	2.51/1.28	87.7	93.8	SW 6010B
Vanadium	< 0.02	2.15/3.14	93.0	95.5	SW 6010B
Batch Number: 1122W					
Total Metals	mg/L				
Chromium	< 0.02	1.24/0.830	97.0	96.4	SW 6010B
Lead	< 0.015	0.636/0.00	94.3	94.6	SW 6010B
Vanadium	< 0.02	1.55/0.519	96.8	96.3	SW 6010B

Methods are from EPA 600/4-79-020, Revised March, 1983 and SW 846, Revised December, 1996.
Instrument calibration and quality control samples performed at or above frequency
specified in analytical method.



11/29/2004

El Dorado Chemical Inc.
4500 Northwest Avenue
El Dorado, AR 71731
Attn: Wes Morgan

Re: 2004 4th Quarter Groundwaters
Description: Thirty-one water samples received 11/17,18/04

QUALITY CONTROL RESULTS

	Blank	Percent Variance Duplicates	Percent Recovery Matrix Spike	Percent Recovery Control Spike	Method of Analysis
Batch Number: 1123DISS1					
Dissolved Metals	mg/L				
Chromium	< 0.02	2.41/1.02	99.4	98.1	SW 6010B
Lead	< 0.015	2.15/1.50	93.2	93.1	SW 6010B
Vanadium	< 0.02	0.519/1.57	96.3	95.8	SW 6010B
Batch Number: 1123DISS2					
Dissolved Metals	mg/L				
Chromium	< 0.02	0.203/0.00	98.7	97.6	SW 6010B
Lead	< 0.015	0.428/0.862	93.4	92.8	SW 6010B
Vanadium	< 0.02	0.00/0.00	94.5	93.5	SW 6010B

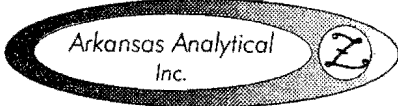
Methods are from EPA 600/4-79-020, Revised March, 1983 and SW 846, Revised December, 1996.
Instrument calibration and quality control samples performed at or above frequency
specified in analytical method.

Ammonia-N analyzed by: Andrea Fox[®], Melissa Green
Andrea Fox, Melissa Green

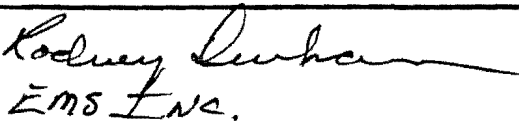
TDS analyzed by: Teresa Canfield[®]
Teresa Canfield

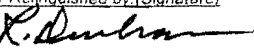
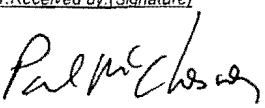
Anions analyzed by: Tracy Bounds, Joel Ledbetter
Tracy Bounds, Joel Ledbetter

Metals analyzed by: Wendy Harston
Wendy Harston

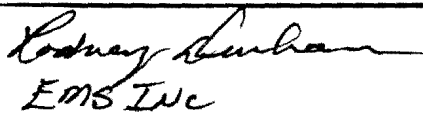

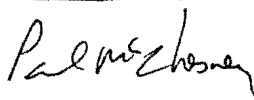
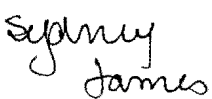


CHAIN OF CUSTODY RECORD

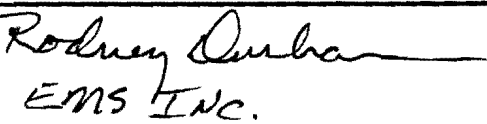
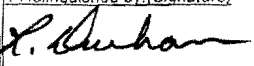
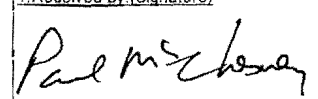
CLIENT INFORMATION		Billing		Project Description		Turnaround Time		Preservation Codes:													
El Dorado Chemical Inc.		El Dorado Chemical Inc.		Groundwaters		(CIRCLE ONE)		1. Cool, 4 degrees Centigrade		4. Thiosulfate for dechlorination											
4500 Northwest Ave.		P.O. Box 231		Reporting Information		24 hour		2. Sulfuric Acid, pH <2		5. Hydrochloric Acid for VOA											
El Dorado, AR 71731		El Dorado, AR 71731		Telephone: 1-870-863-1484		48 hour		3. Nitric Acid, pH <2		6. Sodium Hydroxide, pH >12											
Attn:		Bill to/P.O. #:		FAX: 1-870-863-1499		routine		TEST PARAMETERS													
						Preservative Code:		Bottle type code													
						Bottle Type		G=glass;P=HDPE													
								V=septum;A=amber													
 EMS INC.				RODNEY DURHAM						Ammonia Cr, Pb, V TDS, Nitrate, Sulfate, dCr, dPb										Arkansas Analytical Lab #	
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION												Lab #		
1	11-16-04	10:20	✓		3		ECMW 2		✓	✓	✓									K411610	
2		10:10	✓		3		ECMW 1		✓	✓	✓									611	
3		10:30	✓		3		ECMW 10		✓	✓	✓									612	
4		10:00	✓		3		ECMW 12		✓	✓	✓									613	
5		9:50	✓		3		ECMW 5		✓	✓	✓									614	
6		9:30	✓		3		ECMW 4		✓	✓	✓									615	
7		9:40	✓		3		ECMW 3		✓	✓	✓									616	
8		9:20	✓		3		ECMW 6		✓	✓	✓									617	
9		9:10	✓		3		ECMW 7		✓	✓	✓									618	
10		9:00	✓		3		ECMW 8		✓	✓	✓									619	
11		8:50	✓		3		ECMW 9		✓	✓	✓									620	
12		8:40	✓		3		ECMW 13		✓	✓	✓									621	

1. Relinquished by: (Signature) 		Date/Time 11-16-04 11:00	1. Received by: (Signature) 		For completion by laboratory			REMARKS		
2. Relinquished by: (Signature) Velocity		Date/Time 11-17-04, 1000	2. Received by laboratory: (Signature) Sydney James		Condition of samples:	yes	no			
					A. Containers Correct?:	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
					B. Preservation Correct?:	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
					C. Seals Intact?:	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		Billing		Project Description		Turnaround Time		Preservation Codes:													
El Dorado Chemical Inc.		El Dorado Chemical Inc.		Groundwaters		(CIRCLE ONE)		1. Cool, 4 degrees Centigrade			4. Thiosulfate for dechlorination										
4500 Northwest Ave.		P.O. Box 231		Reporting Information		24 hour		2. Sulfuric Acid, pH <2			5. Hydrochloric Acid for VOA										
El Dorado, AR 71731		El Dorado, AR 71731		Telephone: 1-870-863-1484		48 hour		3. Nitric Acid, pH <2			6. Sodium Hydroxide, pH >12										
Attn:		Bill to/P.O. #:		FAX: 1-870-863-1499		routine		TEST PARAMETERS						Bottle type code							
						Preservative Code:		1,2	1,3	1						G=glass;P=HDPE					
						Bottle Type		P	P	P						V=septum;A=amber					
 EMS Inc				RODNEY DURHAM				Ammonia				Cr, Pb, V				TDS, Nitrate, Sulfate, d Cr, d Pb				Arkansas Analytical Lab #	
Samplers: (Signature/s)				Samplers: (Printed)																	
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION														
	Date/s	Time/s																			
13	11-16-04	8:30	✓		3		ECMW-14	✓	✓	✓							K411622				
14		8:20	✓		3		ECMW-15	✓	✓	✓							623				
15		8:10	✓		3		ECMW-16	✓	✓	✓							624				
16		8:10	✓		3		ECMW-16 DUP	✓	✓	✓							625				
17		7:55	✓		3		ECMW-17	✓	✓	✓							626				
18		7:45	✓		3		ECMW-22	✓	✓	✓							627				
1. Relinquished by: (Signature)		Date/Time		1. Received by: (Signature)		For completion by laboratory				REMARKS											
		11-16-04 11:00				Condition of samples: yes no															
A. Containers Correct?						<input checked="" type="checkbox"/> <input type="checkbox"/>															
2. Relinquished by: (Signature)		Date/Time		2. Received by laboratory: (Signature)		B. Preservation Correct?															
Velocity		11-17-04, 1600				<input checked="" type="checkbox"/> <input type="checkbox"/>															
C. Seals intact?						<input checked="" type="checkbox"/> <input type="checkbox"/>															

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		Billing		Project Description		Turnaround Time		Preservation Codes:									
El Dorado Chemical Inc.		El Dorado Chemical Inc.		Groundwaters		(CIRCLE ONE)		1. Cool, 4 degrees Centigrade			4. Thiosulfate for dechlorination						
4500 Northwest Ave.		P.O. Box 231		Reporting Information		24 hour		2. Sulfuric Acid, pH <2			5. Hydrochloric Acid for VOA						
El Dorado, AR 71731		El Dorado, AR 71731		Telephone: 1-870-863-1484		48 hour		3. Nitric Acid, pH <2			6. Sodium Hydroxide, pH >12						
Attn:		Bill to/P.O. #:		FAX: 1-870-863-1499		routine		TEST PARAMETERS						Bottle type code			
						Preservative Code:		1,2	1,3	1						G=glass;P=HDPE	
						Bottle Type		P	P	P						V=septum;A=amber	
 Rodney Durham EMS INC.				RODNEY DURHAM				Ammonia Cr. Pb, V TDS, Nitrate, Sulfate, Cr. & Pb				Arkansas Analytical Lab #					
Samplers: (Signature/s)				Samplers: (Printed)													
Field Number	Sample Collection		Grab	Comp	# of Containers	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION		Ammonia	Cr. Pb, V	TDS, Nitrate, Sulfate, Cr. & Pb						Lab #
	Date/s	Time/s															
1	11-16-04	10:00	✓		3		FIELD BLANK	✓	✓	✓							K411676
2	11-17-04	11:00	✓		3		FIELD BLANK										677
3	1		✓		3		TRIP BLANK										678
4		10:30	✓		3		ECMW 21										679
5		9:50	✓		3		ECMW 19										680
6		9:30	✓		3		ECMW 18										681
7		9:30	✓		3		ECMW 18 DUP										682
8		10:00	✓		3		ECMW 20										683
9		9:20	✓		3		ECMW 11										684
10		9:10	✓		3		MW-1										685
11		9:00	✓		3		MW-2										686
12		8:45	✓		3		MW-3										687
1 Relinquished by: (Signature)		Date/Time		1. Received by: (Signature)		For completion by laboratory				REMARKS							
		11-17-04 11:00				Condition of samples: yes no				lab number K411676							
2. Relinquished by: (Signature)		Date/Time		2. Received by laboratory: (Signature)		A. Containers Correct? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no				received out of holding time for Nitrate.							
Velocity		11-18-04, 1020		Sydney James		B. Preservation Correct? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no											
						C. Seals Intact? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no											

