

KERR-McGEE CORPORATION



**SEMI - ANNUAL PERFORMANCE REPORT
CHROMIUM MITIGATION PROGRAM**

**KERR - McGEE CHEMICAL LLC
HENDERSON, NEVADA**

**JANUARY - JUNE 2001
July 27, 2001**



KERR-McGEE CHEMICAL LLC

POST OFFICE BOX 66 - HENDERSON, NEVADA 89009

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ENVIRONMENTAL PROTECTION

Mr. Doug Zimmerman
State of Nevada
Division of Environmental Protection
333 West Nye Lane
Carson City, Nevada 89710

Subject: First Half 2001 Performance Report
Chromium Mitigation Program

Enclosed are two copies of the First Half 2001, Semi-Annual Performance Report for the chromium mitigation program at the Kerr-McGee Chemical LLC, Henderson facility.

This Report presents information regarding the groundwater interception, treatment and recharge systems of the chromium mitigation program.

If you have any questions or comments concerning this information, please contact me at (702) 651-2234.

Sincerely,

Susan M. Crowley
Staff Environmental Specialist

Attachment

cc: PSCorbett
MJPorterfield
TWReed
FRStater
Joe Livak, NDEP
Val King, NDEP
Brenda Pohlmann, NDEP

SEMI-ANNUAL PERFORMANCE REPORT
CHROMIUM MITIGATION PROGRAM
KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA

JANUARY - JUNE 2001

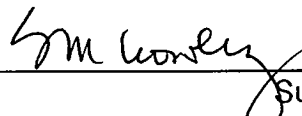
Submitted in Accordance with:

Chromium Mitigation Program
Consent Order
September 9, 1986

Prepared by:

Thomas W. Reed
Hydrology Department
Kerr-McGee Corporation

July 27, 2001



Susan Crowley
Staff Environmental Specialist
Kerr-McGee Chemical LLC
Henderson, Nevada

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COLLECTED MAY 2001

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SEMI-ANNUAL PERFORMANCE REPORT
CHROMIUM MITIGATION PROGRAM
KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA

INTRODUCTION

In accordance with the Consent Order for cleanup of chromium contaminated groundwater at the Henderson facility, finalized September 9, 1986, Kerr-McGee Chemical LLC (KMCLLC) submits this semi-annual performance report to the Nevada Department of Environmental Protection. This report, covering the period January through June, 2001, summarizes performance data for the groundwater treatment plant and evaluates the effectiveness of the groundwater interception and treatment system installed to carry out the chromium mitigation program.

In December 1998, the Underground Injection Control (UIC) Permit (No. UNEV98203) for the Kerr-McGee chromium mitigation system was modified to include changes to the injection program. The treated groundwater from the chromium mitigation system is now piped to an onsite impoundment and is no longer reinjected into the system recharge trenches. The permit modification allows for reinjection of clean Lake Mead water to maintain groundwater levels downgradient from the interception well line. All data requirements relative to the permit modification are contained in quarterly reports submitted by KMCLLC.

GROUNDWATER SURFACE CONFIGURATION

Figure 1 illustrates the Consent Order Monitoring Area as defined in Appendix D of the Consent Order, and shows the locations of all groundwater interceptor and monitor wells installed by KMCLLC within this area. Appendix A of this report lists monthly groundwater elevations recorded since December 1995 in wells within the Consent Order area.

The water table configuration is presented as potentiometric surface maps for the first half of 2001, reflecting quarterly groundwater level measurements. Figure 2 shows the potentiometric surface within the consent order monitoring area for the first quarter of 2001. Groundwater elevation data were recorded on February 1, 2001. Figure 3 presents the groundwater potentiometric surface map for the second quarter of 2001, based on groundwater elevation data recorded on May 1, 2001.

INTERCEPTOR SYSTEM PERFORMANCE

Figures 2 and 3 show the potentiometric surface configuration in the interceptor area during the first half of 2001. Although the potentiometric surface maps do not generally show overlapping drawdown cones along the entire interceptor line, the majority of interceptor wells have drawn groundwater levels down to and below the Muddy Creek contact. Unrelated to the interception program, groundwater levels have declined across the area due to the discontinuation of upgradient water infiltration from the Beta

Ditch. Since 1987, the Beta Ditch has been utilized almost exclusively for stormwater flow.

In May 1990, KMCLLC began monthly analyses for chromium in several other wells located both upgradient and downgradient from the recharge trench. This schedule was modified to quarterly sampling beginning in the second half of 1997. The data are shown in Table 1, and are presented graphically as Figures 4 and 5. The M-70 series wells presented in Figure 4 are located upgradient from the recharge trench. The M-80 series wells presented in Figure 5 are located downgradient from the recharge trench.

The M-70 series wells have been gradually increasing in chromium concentrations over the last several years. All three M-70 series wells (M-71, M-72, M-73) have declined in concentration during the first half of 2001.

The M-80 series wells (M-84, M-86, M-88) have also declined during this same time period. These declines in chromium concentration in the M-70 series and M-80 series wells may be attributed to more efficient local Interceptor well performance. However, the area-wide decline in groundwater saturation in the alluvium will continue to hamper the overall performance of the Interceptor well line.

Chromium concentration data from the five Consent Order Appendix J wells (see Figure 6) are contained in Table 3. Figure 7 presents these data graphically. During the first half of 2001, all five Appendix J wells showed declines in chromium concentrations. Well M-11, immediately downgradient from the source area, continues to display a dramatic decline in chromium concentration. Wells M-36, M-72, and M-86 downgradient from M-11 have shown gradual increases in chromium with time as the main portion of the chromium plume "slug" moves downgradient. It is apparent from these changes in chromium concentration from south to north in the Appendix J wells that the chromium source has been stopped and the main portion or "slug" of chromium impact in the groundwater is moving downgradient as concentrations behind it begin to decline. KMCLLC will continue to monitor this trend.

KMCLLC instituted a management program to assure maximization of groundwater removal at the individual well locations along the interceptor line by focusing on those wells showing the highest chromium concentrations. Figure 8 portrays chromium concentration for each interceptor well for the past year. Discharge rates for each well are monitored and adjusted to provide maximum recovery of chromium based on the potentiometric surface configuration, chromium concentration, and well production capability. Table 2 lists the pumping rate of each interceptor well for June 1999 and June 2000 as compared to June 2001.

ANNUAL CHROMIUM SAMPLING

Annual chromium groundwater sampling for all facility wells was conducted in May 2001.

Plate 1 displays the total chromium map constructed from these data. As compared to the June 1993 total chromium map for the facility (see report entitled Groundwater Interception System Evaluation Report - September 15, 1993), chromium concentrations have markedly declined in the historic source area, even though concentrations downgradient from the source area continue to increase. The decrease in the upgradient chromium concentration since 1992, as demonstrated in well M-11 (see Figure 7), strongly suggests that the chromium plume is in a permanent decline which will continue to "move" as a front downgradient to the north toward capture and recovery.

RECOVERY/TREATMENT SYSTEM MAINTENANCE

Approximately every ten to fifteen days, the electrodes in the treatment plant's electrolytic cells deteriorate to the point they require replacement. During electrode replacement, a backup cell is placed in active service in the circuit to maintain groundwater treatment.

All interceptor wells are checked for operation each day; flow rates are recorded for each well twice weekly. Flowmeter readings (total volume) are recorded for each

time-marking well twice weekly. These records indicate when a pump needs to be replaced or a flow rate adjusted. In addition, other maintenance associated with maintaining treatment plant operations was performed.

During the first half 2001, the following maintenance work was performed on the treatment/pumping system: 1/16 – replaced control panel fuse, 1/19 – replaced flow meter and piping on well I-K, 2/16 – repaired leak on polymer line, 2/9 – fabricated and installed new discharge line, 2/22 – replaced gaskets on 24 filter plates, 5/21 – replaced fuse on polymer pump, 6/15 – replaced three-way valve on discharge of acid pump, 6/21 – rebuilt polymer feed pump.

CONCLUSIONS

Chromium concentrations in monitor wells immediately downgradient from the groundwater interception wells have shown an increase or leveling off of chromium concentrations in response to increasing concentrations of chromium moving downgradient from the historic source area. Although the major portion of chromium-impacted groundwater is being successfully captured by the interceptor well line, there is evidence that breakthrough of impacted groundwater is occurring in specific areas along the well line.

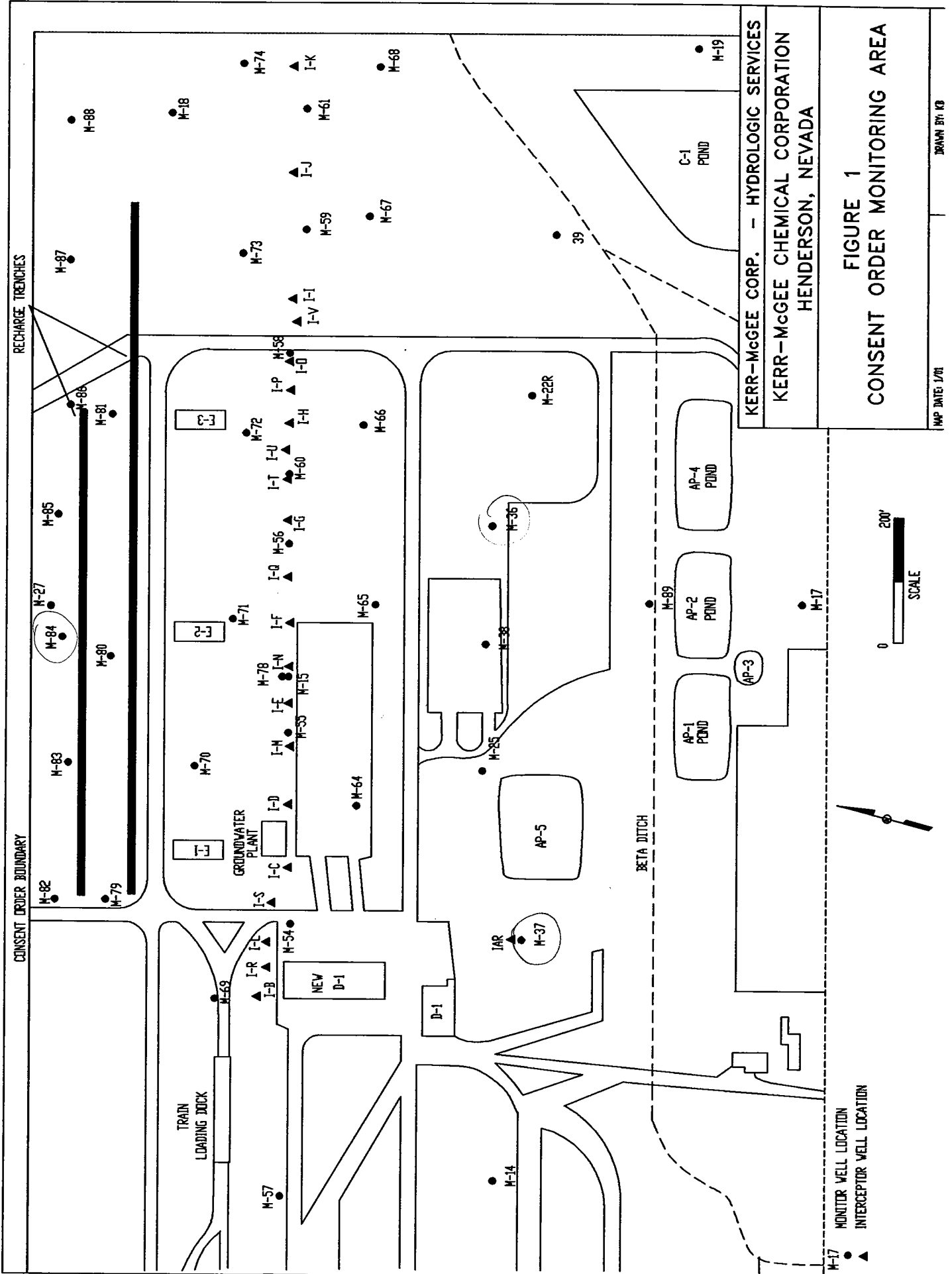
PROPOSED FUTURE ACTIVITIES

KMCLLC will continue to record water levels in the consent order area on a quarterly basis. Quarterly potentiometric surface maps will be developed. The effect of changing the pumping rates of the interceptor wells will be monitored, and responses (i.e.- pump rate adjustments) will be taken to assure optimal drawdown and plume interception.

Construction has now begun on the bentonite slurry barrier wall located immediately downgradient from the interceptor well line. This slurry wall will be approximately 1700 feet long on a west-east line and 60 feet deep. Completion is anticipated in the middle of October 2001. KMCLLC anticipates improved capture of the chromium plume with the installation of this barrier wall.

KMCLLC believes that the current Chromium Mitigation Consent Order should be modified to reflect the barrier wall installation and other changes to the system not currently addressed. During the fourth quarter of 2001, KMCLLC will propose and submit a modified Corrective Action groundwater monitoring program for the onsite Chromium Mitigation Program. This monitoring plan will include monitoring frequency adjustments as well as monitor well abandonment and/or installation. Appropriate meetings between KMCLLC and NDEP will be planned to discuss needed changes to the Chromium Mitigation Program.

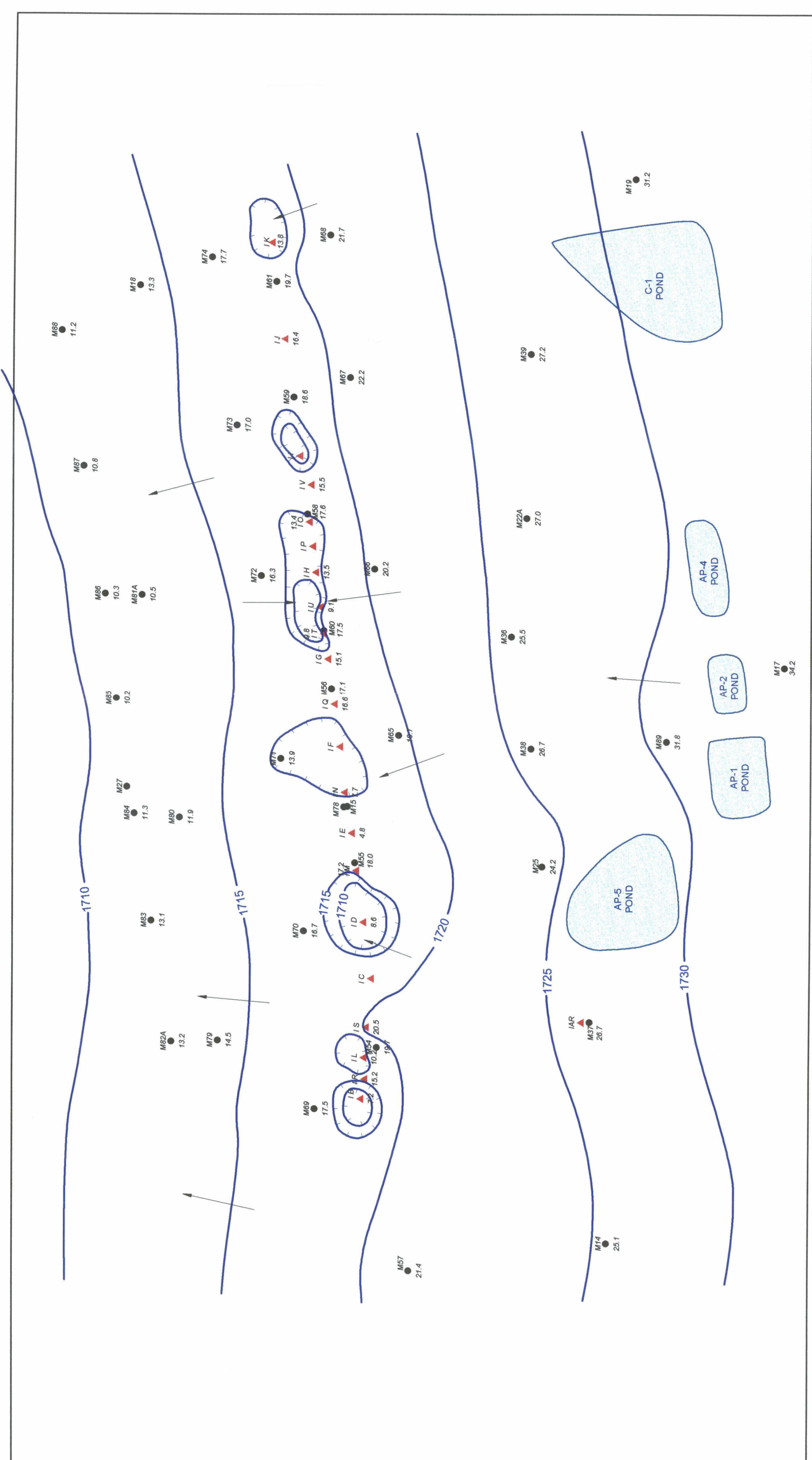
FIGURES



KERR-McGEE CORP. - HYDROLOGIC SERVICES
 KERR-McGEE CHEMICAL CORPORATION
 HENDERSON, NEVADA

FIGURE 1
 CONSENT ORDER MONITORING AREA

**KERR-MCGEE CHEMICAL LLC
HENDERSON, NEVADA
FIGURE 3
CONSENT ORDER MONITORING AREA
POTENTIOMETRIC SURFACE MAP
MAY 1, 2001**

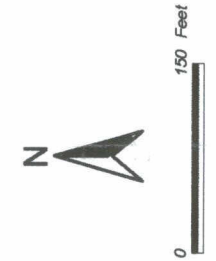
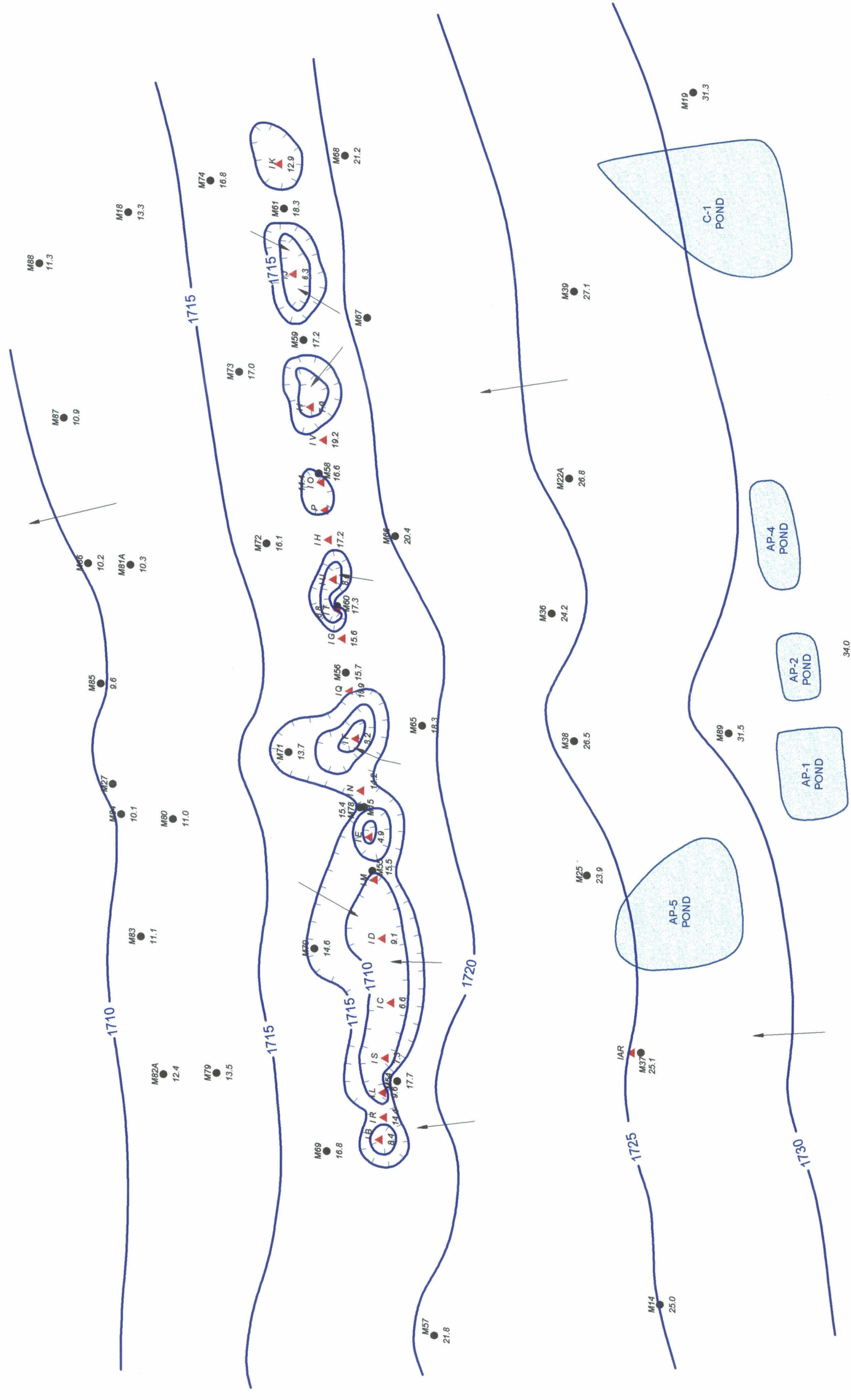


● Water Level Well Location (Ref. 1700 FT, MSL)
 ▲ Interceptor Well Location
 — Potentiometric Surface Contour
 Line (FT MSL) Contour Interval = 5 Ft
 ← Water Level Data Recorded May 1, 2001
 ← Groundwater Flow Direction



0 150 Feet

**KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA
FIGURE 2
CONSENT ORDER MONITORING AREA
POTENTIOMETRIC SURFACE MAP
FEBRUARY 1, 2001**



- Water Level Well Location (Ref. 1700 FT, MSL)
- ▲ Interceptor Well Location
- Potentiometric Surface Contour
- Line (FT MSL) Contour Interval = 5 Ft
- Water Level Data Recorded February 1, 2001
- ← Groundwater Flow Direction

FIGURE 4: UPGRADE MONITOR WELLS
KMCLLC HENDERSON, NEVADA FACILITY

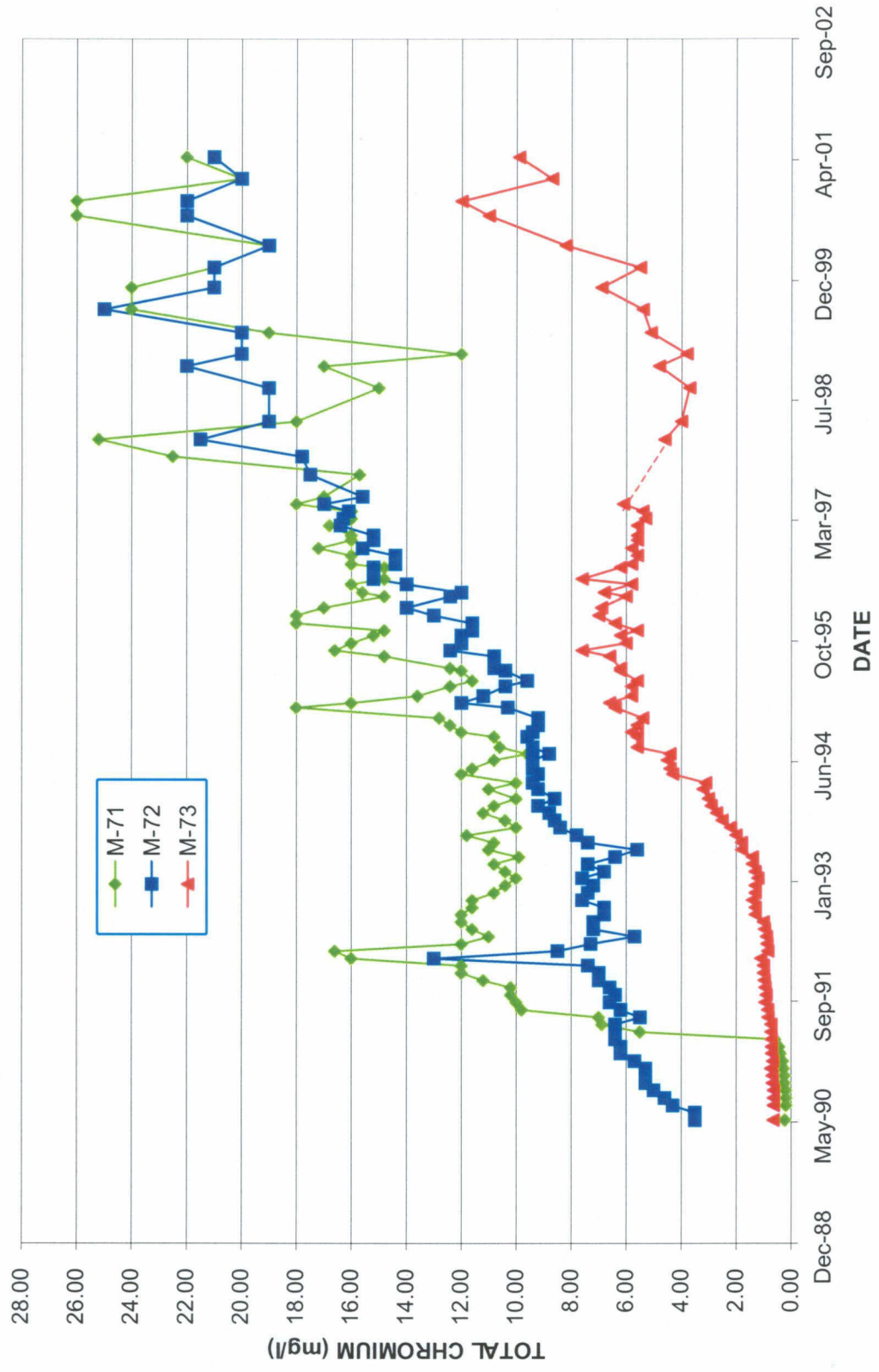
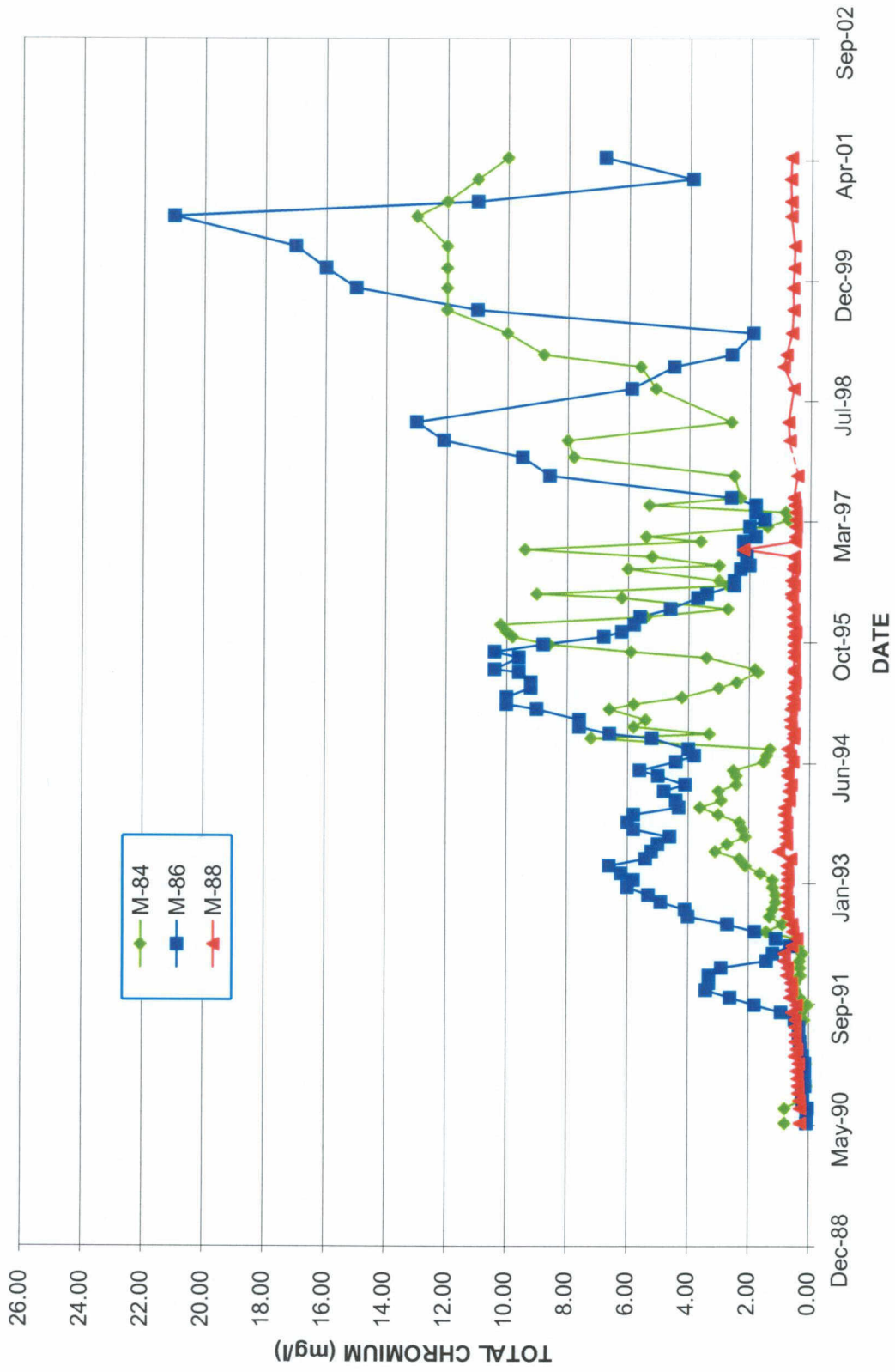
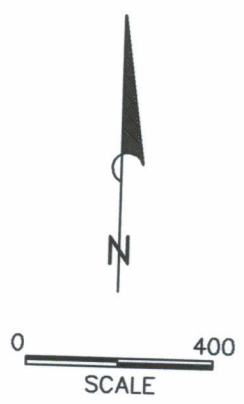
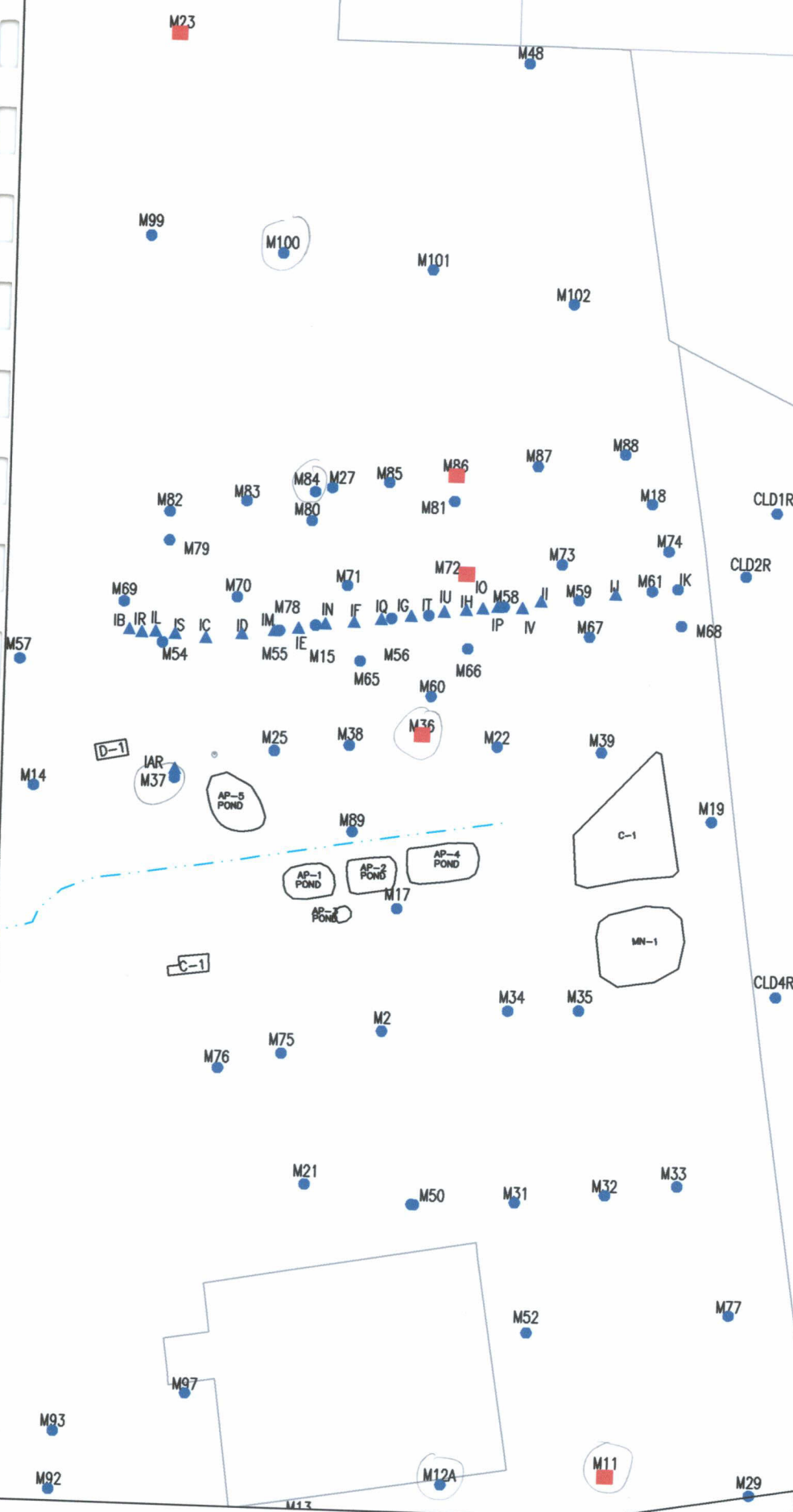


FIGURE 5: DOWNGRADIENT MONITOR WELLS
KMCLLC HENDERSON, NEVADA FACILITY





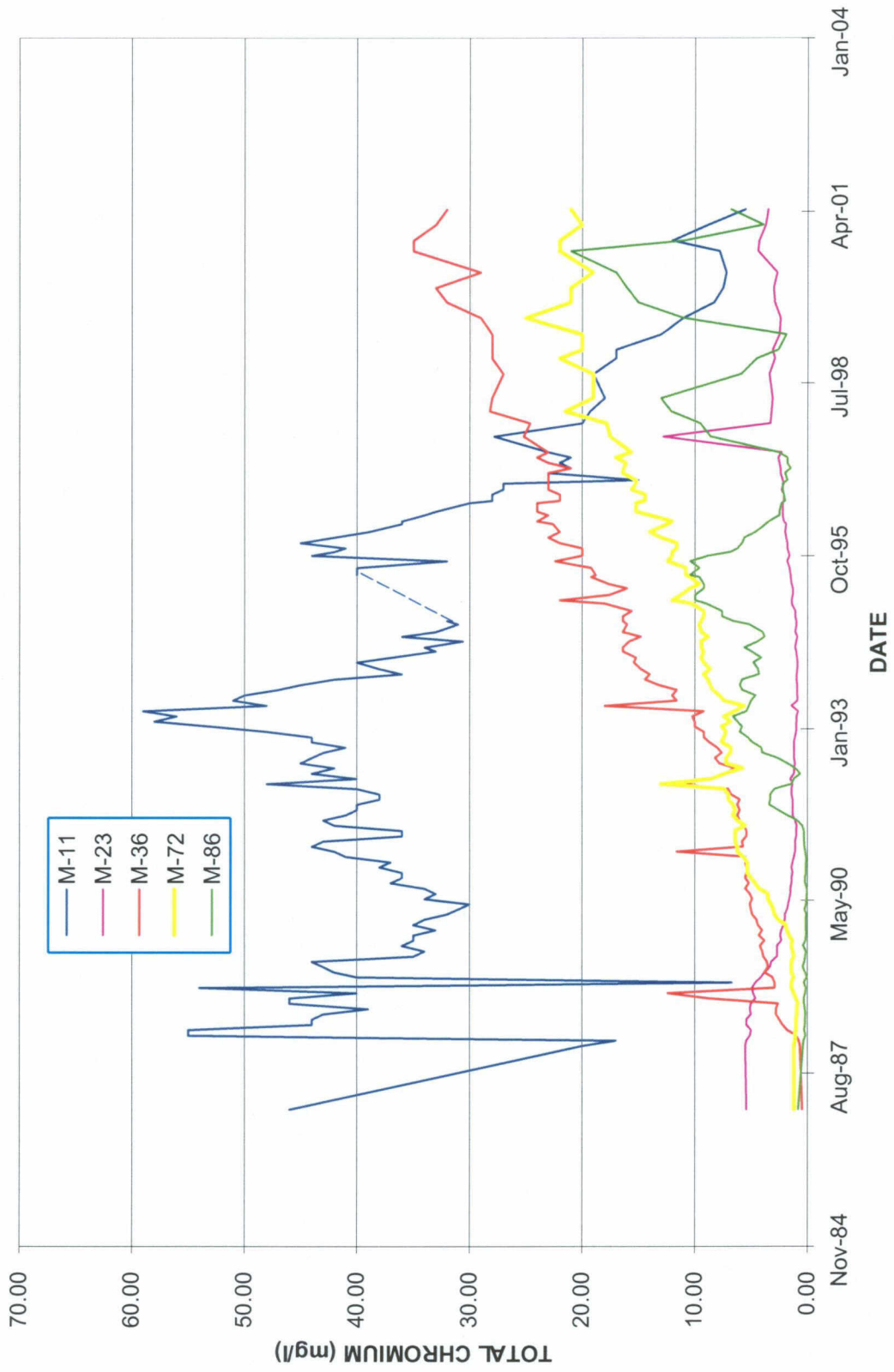
- LEGEND**
- APPENDIX J MONITOR WELLS
 - GW MONITOR WELL
 - ▲ INTERCEPTOR WELL

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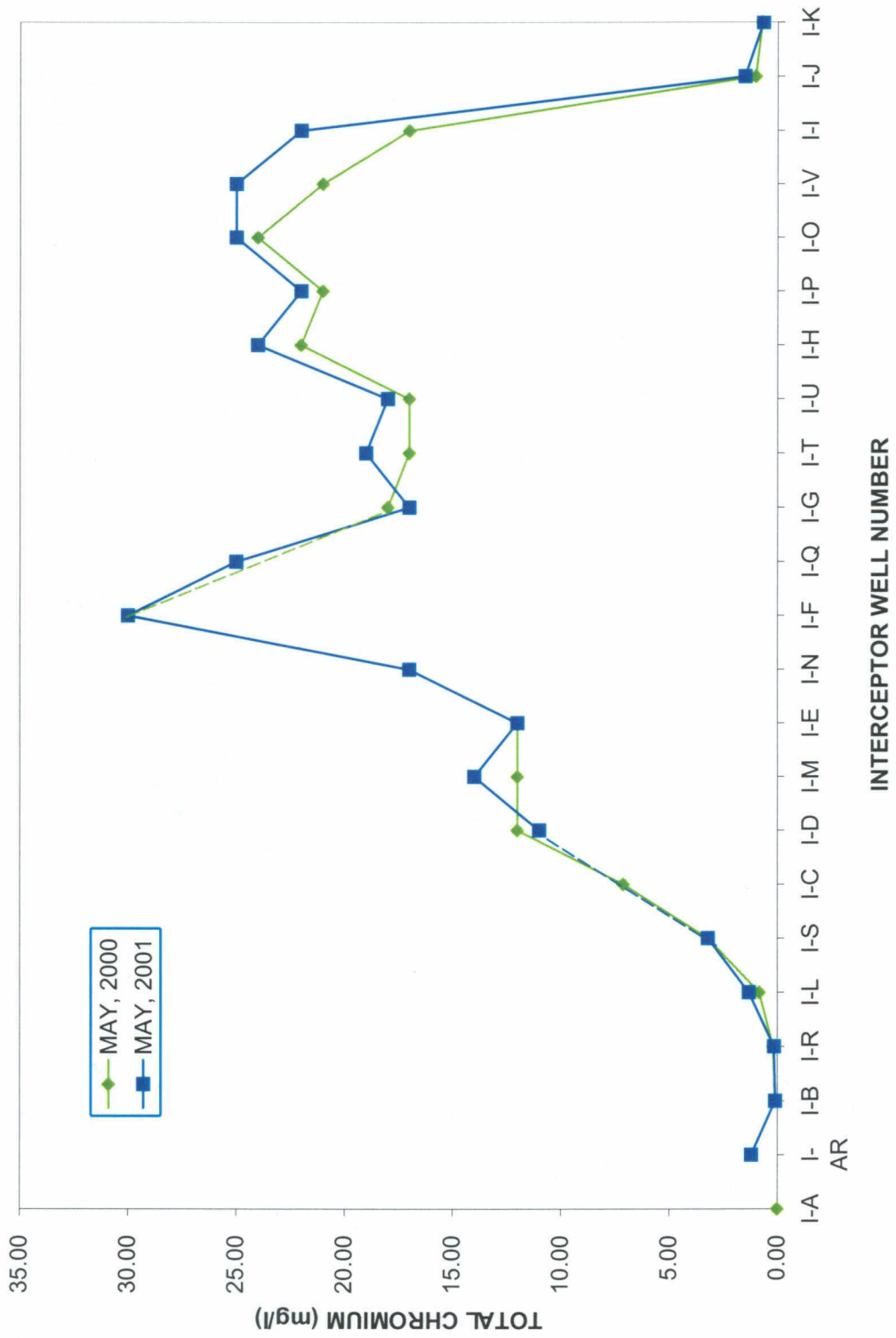
FIGURE 6
LOCATION OF APPENDIX J WELLS

MAP DATE: 7/00 DRAWN BY: KB

**FIGURE 7: APPENDIX J WELLS
KMCLLC HENDERSON, NEVADA FACILITY**



**FIGURE 8: INTERCEPTOR WELL LINE GRAPH
KMCLLC HENDERSON, NEVADA FACILITY**



TABLES

TABLE 1

TOTAL CHROMIUM (mg/l)
IN SELECTED MONITOR WELLS
KMCLLC HENDERSON NEVADA

DATE	WELL #			
	M-71	M-73	M-84	M-88
May-96	15.60	6.80	9.00	0.61
Jun-96	16.00	5.80	2.70	0.53
Jul-96	14.80	7.60	3.00	0.60
Aug-96	14.80	6.20	6.00	0.55
Sep-96	16.00	5.80	3.00	0.51
Oct-96	16.00	5.60	5.20	0.53
Nov-96	17.20	5.80	9.40	2.20
Dec-96	16.00	5.60	3.60	0.49
Jan-97	16.00	5.60	5.40	0.49
Feb-97	16.80	5.60	1.40	0.47
Mar-97	16.00	5.30	0.72	0.48
Apr-97	16.00	5.40	0.80	0.48
May-97	18.00	6.10	5.30	0.50
Jun-97	17.00		2.30	0.54
Sep-97	15.70		2.50	0.42
Dec-97	22.50		7.80	
Feb-98	25.20	4.60	8.00	0.68
Apr-98	18.00	4.00	2.60	0.73
Sep-98	15.00	3.70	5.10	0.56
Dec-98	17.00	4.80	5.60	0.89
Feb-99	12.00	3.80	8.80	0.80
May-99	19.00	5.10	10.00	0.62
Aug-99	24.00	5.40	12.00	0.58
Nov-99	24.00	6.90	12.00	0.59
Jan-00	21.00	5.50	12.00	0.56
May-00	19.00	8.20	12.00	0.54
Sep-00	26.00	11.00	13.00	0.67
Nov-00	26.00	12.00	12.00	0.67
Feb-01	20.00	8.70	11.00	0.68
May-01	22.00	9.90	10.00	0.66

TABLE 2
INTERCEPTOR WELL DISCHARGE RATES
DISCHARGE RATE (GPM)

WELL #	JUNE 1999	JUNE 2000	JUNE 2001
I-A	0.9		
I-AR		0.9	1.0
I-B	1.2	0.2	1.2
I-C	1.5	2.1	2.3
I-D	0.5	0.6	0.6
I-E	0.2	0.5	0.8
I-F	4.5	2.5	2.1
I-G	0.2	0.02	0.03
I-H	0.4	0.4	0.3
I-I	3.7	3.5	3.4
I-J	1.8	3.3	2.8
I-K	3.2	2.1	0.7
I-L	0.8	0.4	1.0
I-M	2.3	2.1	2.1
I-N	1.3	0.2	0.9
I-O	0.9	0.2	0.06
I-P	0.5	0.1	0.4
I-Q	0.3	0.3	0.3
I-R	0.5	0.5	1.1
I-S	0.7	0.4	0.9
I-T	0.3	0.3	0.3
I-U	0.5	0.5	0.3
I-V	<u>0.5</u>	<u>3.0</u>	<u>2.1</u>
TOTAL	26.7	24.0	24.7

TABLE 3

TOTAL CHROMIUM CONCENTRATION (mg/l)
IN APPENDIX J WELLS
KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA

DATE	WELL #				
	M-11	M-23	M-36	M-72	M-86
May-96	36.00	2.10	24.00	12.00	3.40
Jun-96	34.00	2.20	23.00	14.00	2.50
Jul-96	33.00	2.20	24.00	15.20	2.50
Aug-96	30.00	2.20	24.00	15.20	2.30
Sep-96	28.00	2.10	22.00	14.40	2.00
Oct-96	28.00	2.10	22.00	14.40	2.10
Nov-96	27.00	2.30	23.00	15.60	2.20
Dec-96	27.00	2.10	23.00	15.20	2.20
Jan-97	15.00	2.20	23.00	15.20	1.80
Feb-97	23.00	2.40	23.00	16.40	2.00
Mar-97	21.00	2.40	21.00	16.30	1.50
Apr-97	22.00	2.50	23.00	16.10	1.80
May-97	21.00	2.60	24.00	17.00	1.80
Jun-97	23.00	2.30	23.00	15.60	2.60
Sep-97	27.80	12.80	25.20	17.50	8.60
Dec-97	20.00	3.30	24.60	17.80	9.50
Feb-98	19.30	3.20	28.20	21.50	12.10
Apr-98	18.00	3.10	28.00	19.00	13.00
Sep-98	19.00	3.40	27.00	19.00	5.90
Dec-98	17.00	2.90	28.00	22.00	4.50
Feb-99	17.00	3.10	28.00	20.00	2.60
May-99	13.00	2.50	28.00	20.00	1.90
Aug-99	11.00	2.40	29.00	25.00	11.00
Nov-99	8.30	2.90	32.00	21.00	15.00
Jan-00	7.50	3.00	33.00	21.00	16.00
May-00	7.20	2.70	29.00	19.00	17.00
Sep-00	7.80	4.40	35.00	22.00	21.00
Nov-00	12.00	4.30	35.00	22.00	11.00
Feb-01	8.80	3.70	33.00	20.00	3.90
May-01	5.50	3.50	32.00	21.00	6.80

APPENDIX A

APPENDIX A
GROUNDWATER ELEVATIONS

KERR-MCGEE CHEMICAL LLC
 HENDERSON, NEVADA FACILITY
 GROUNDWATER ELEVATIONS

TOC-->	M-5A 1749.90		M-5A 1729.15		M-7B 1732.83		M-10 1834.76		M-11 1813.46		M-13 1815.21		M-14 1758.83		M-15 1749.36		M-17 1769.54		M-18 1738.28	
	DTW	ELEV.	DTW	ELEV.	DTW	ELEV.	DTW	ELEV.	DTW	ELEV.	DTW	ELEV.	DTW	ELEV.	DTW	ELEV.	DTW	ELEV.	DTW	ELEV.
12-Dec-95	39.80	1710.10	39.60	1689.55	37.55	1692.26	48.90	1765.86	41.40	1772.06	45.80	1768.43	33.00	1725.83	31.60	1718.09	34.15	1735.39	21.90	1716.38
11-Jan-96	39.95	1710.96	39.90	1689.25	37.60	1692.21	49.00	1765.76	41.25	1772.21	45.70	1768.53	33.20	1725.63	32.50	1717.19	33.90	1735.84	21.60	1716.68
12-Feb-96	39.10	1710.90	39.90	1689.25	37.50	1692.31	49.00	1765.76	42.40	1771.06	46.00	1768.23	33.30	1725.63	32.50	1717.19	33.90	1735.64	21.60	1716.68
15-Mar-96	39.60	1710.30	40.30	1688.85	39.00	1690.81	49.10	1765.66	41.70	1771.86	45.85	1768.36	33.30	1725.63	32.10	1717.59	34.15	1735.44	21.50	1716.78
30-Apr-96	39.60	1710.30	40.30	1688.85	37.65	1692.16	49.00	1765.66	41.70	1771.71	45.90	1768.33	33.30	1725.63	32.10	1717.59	34.15	1735.39	21.50	1716.78
10-May-96	39.25	1710.65	40.00	1689.15	37.70	1692.11	49.00	1765.76	42.00	1771.46	45.90	1768.33	33.30	1725.63	32.10	1717.59	34.40	1735.24	21.50	1716.78
20-Jun-96	39.45	1710.45	40.80	1688.35	38.25	1691.56	49.00	1765.66	41.85	1771.61	45.90	1768.33	33.30	1725.63	32.10	1717.59	34.40	1735.14	21.50	1716.78
11-Jul-96	39.40	1710.50	40.15	1689.00	38.80	1691.01	49.00	1765.66	41.90	1771.66	45.90	1768.33	33.30	1725.63	32.10	1717.59	34.50	1734.99	21.50	1716.78
28-Aug-96	39.50	1710.40	40.25	1688.90	38.80	1691.01	49.00	1765.66	41.90	1771.66	45.90	1768.33	33.30	1725.63	32.10	1717.59	34.45	1735.09	22.15	1716.13
17-Oct-96	39.55	1710.35	40.25	1688.90	39.00	1690.81	49.20	1765.26	42.30	1771.16	46.15	1767.73	33.50	1725.33	32.10	1717.59	34.45	1735.09	22.15	1716.13
15-Nov-96	39.50	1710.40	40.25	1688.90	39.00	1690.81	49.20	1765.26	42.30	1771.16	46.15	1767.73	33.50	1725.33	32.10	1717.59	34.45	1735.09	22.15	1716.13
20-Dec-96	39.60	1710.30	40.30	1688.85	39.00	1690.81	49.20	1765.26	42.30	1771.16	46.15	1767.73	33.50	1725.33	32.10	1717.59	34.45	1735.09	22.15	1716.13
08-Jan-97	39.65	1710.25	40.40	1688.75	39.00	1690.81	49.30	1765.16	42.60	1770.96	46.50	1767.63	33.50	1725.33	32.10	1717.59	34.40	1735.14	22.40	1715.98
18-Feb-97	39.60	1710.25	40.40	1688.75	39.00	1690.81	49.30	1765.16	42.60	1770.96	46.50	1767.63	33.50	1725.33	32.10	1717.59	34.35	1735.19	22.40	1715.98
10-Mar-97	39.60	1710.30	40.40	1688.75	39.00	1690.81	49.30	1765.16	42.60	1770.96	46.50	1767.63	33.50	1725.33	32.10	1717.59	34.35	1735.19	22.40	1715.98
09-Apr-97	39.65	1710.25	40.40	1688.75	39.00	1690.81	49.30	1765.16	42.60	1770.96	46.50	1767.63	33.50	1725.33	32.10	1717.59	34.35	1735.19	22.40	1715.98
28-Apr-97	39.67	1710.23	40.40	1688.75	39.00	1690.81	49.30	1765.16	42.45	1771.01	46.75	1767.48	33.59	1725.24	32.28	1717.41	34.60	1734.94	22.40	1715.98
18-Jun-97	39.75	1710.15	40.50	1688.65	37.95	1691.86	48.10	1765.66	42.05	1771.41	45.61	1769.60	33.55	1725.28	32.80	1716.89	34.75	1734.79	22.40	1715.98
01-Aug-97	39.76	1710.14	40.45	1688.70	37.15	1692.66	48.40	1765.36	42.05	1771.53	45.40	1769.81	33.50	1725.32	32.80	1716.89	34.75	1734.79	22.40	1715.98
15-Sep-97	39.76	1710.14	40.45	1688.70	37.15	1692.66	48.40	1765.36	42.05	1771.53	45.40	1769.81	33.50	1725.32	32.80	1716.89	34.75	1734.79	22.40	1715.98
20-Nov-97	39.76	1710.14	40.45	1688.70	37.15	1692.66	48.40	1765.36	42.05	1771.53	45.40	1769.81	33.50	1725.32	32.80	1716.89	34.75	1734.79	22.40	1715.98
02-Dec-97	39.76	1710.14	40.45	1688.70	37.15	1692.66	48.40	1765.36	42.05	1771.53	45.40	1769.81	33.50	1725.32	32.80	1716.89	34.75	1734.79	22.40	1715.98
22-Jan-98	39.76	1710.14	40.45	1688.70	37.15	1692.66	48.40	1765.36	42.05	1771.53	45.40	1769.81	33.50	1725.32	32.80	1716.89	34.75	1734.79	22.40	1715.98
11-Feb-98	39.76	1710.14	40.45	1688.70	37.15	1692.66	48.40	1765.36	42.05	1771.53	45.40	1769.81	33.50	1725.32	32.80	1716.89	34.75	1734.79	22.40	1715.98
25-Mar-98	39.76	1710.14	40.45	1688.70	37.15	1692.66	48.40	1765.36	42.05	1771.53	45.40	1769.81	33.50	1725.32	32.80	1716.89	34.75	1734.79	22.40	1715.98
27-Apr-98	46.79	1703.11	47.38	1681.77	40.47	1688.34	48.68	1765.08	42.23	1770.78	46.37	1767.86	33.82	1725.01	32.00	1717.69	34.33	1735.21	21.03	1717.03
15-May-98	46.79	1703.11	47.38	1681.77	40.47	1688.34	48.68	1765.08	42.23	1770.78	46.37	1767.86	33.82	1725.01	32.00	1717.69	34.33	1735.21	21.03	1717.03
27-Jun-98	46.79	1703.11	47.38	1681.77	40.47	1688.34	48.68	1765.08	42.23	1770.78	46.37	1767.86	33.82	1725.01	32.00	1717.69	34.33	1735.21	21.03	1717.03
14-Sep-98	46.79	1703.11	47.38	1681.77	40.47	1688.34	48.68	1765.08	42.23	1770.78	46.37	1767.86	33.82	1725.01	32.00	1717.69	34.33	1735.21	21.03	1717.03
04-Oct-98	46.79	1703.11	47.38	1681.77	40.47	1688.34	48.68	1765.08	42.23	1770.78	46.37	1767.86	33.82	1725.01	32.00	1717.69	34.33	1735.21	21.03	1717.03
15-Dec-98	46.79	1703.11	47.38	1681.77	40.47	1688.34	48.68	1765.08	42.23	1770.78	46.37	1767.86	33.82	1725.01	32.00	1717.69	34.33	1735.21	21.03	1717.03
04-Mar-99	37.69	1712.21	38.71	1690.44	33.73	1699.10	50.00	1784.47	43.05	1770.41	46.22	1768.01	32.76	1726.07	32.60	1717.09	34.70	1734.84	20.81	1717.47
04-May-99	37.69	1712.21	38.71	1690.44	33.73	1699.10	50.00	1784.47	43.05	1770.41	46.22	1768.01	32.76	1726.07	32.60	1717.09	34.70	1734.84	20.81	1717.47
09-Aug-99	37.69	1712.21	38.71	1690.44	33.73	1699.10	50.00	1784.47	43.05	1770.41	46.22	1768.01	32.76	1726.07	32.60	1717.09	34.70	1734.84	20.81	1717.47
08-Nov-99	37.69	1712.21	38.71	1690.44	33.73	1699.10	50.00	1784.47	43.05	1770.41	46.22	1768.01	32.76	1726.07	32.60	1717.09	34.70	1734.84	20.81	1717.47
31-Jan-00	39.44	1710.46	40.60	1688.55	36.69	1696.14	48.50	1786.26	43.30	1770.16	46.65	1767.98	33.95	1724.88	32.81	1716.88	35.35	1734.19	23.96	1714.42
16-Sep-00	39.44	1710.46	40.60	1688.55	36.69	1696.14	48.50	1786.26	43.30	1770.16	46.65	1767.98	33.95	1724.88	32.81	1716.88	35.35	1734.19	23.96	1714.42
13-Nov-00	39.44	1710.46	40.60	1688.55	36.69	1696.14	48.50	1786.26	43.30	1770.16	46.65	1767.98	33.95	1724.88	32.81	1716.88	35.35	1734.19	23.96	1714.42
01-Feb-01	39.11	1710.79	40.15	1689.00	36.87	1695.96	48.08	1786.68	42.20	1771.07	45.18	1769.05	32.78	1726.05	33.98	1715.71	35.37	1733.77	24.80	1713.48
01-May-01	39.11	1710.79	40.15	1689.00	36.87	1695.96	48.08	1786.68	42.20	1771.07	45.18	1769.05	32.78	1726.05	33.98	1715.71	35.37	1733.77	24.80	1713.48
							47.87	1786.89	42.61	1771.00	45.15	1769.08	33.80	1725.03	33.27	1716.42	35.63	1734.01	26.82	1711.66
							48.45	1786.31	42.61	1770.85	46.37	1767.86	33.73	1725.10	33.27	1716.42	35.63	1734.01	26.82	1711.66

KERR-McGEE CHEMICAL LLC
 HENDERSON, NEVADA FACILITY
 GROUNDWATER ELEVATIONS

TOC-->	M-19 1766.26 ELEV	M-22A 1757.76 ELEV	M-23 1712.78 ELEV	M-25 1757.82 ELEV	M-27 1740.16 ELEV	M-31 1788.06 ELEV	M-36 1757.94 ELEV	M-37 1759.28 ELEV	M-38 1757.94 ELEV	M-39 1759.31 ELEV
	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
12-Dec-95	34.00	1732.54	1729.20	1728.10	1728.10	1750.79	1726.59	1728.08	1727.08	1729.01
11-Jan-96	33.50	1733.04	1729.45	1728.15	1728.15	1750.64	1726.64	1729.31	1727.08	1729.31
12-Feb-96	33.60	1732.94	1729.65	1728.05	1728.05	1750.34	1726.54	1729.41	1726.18	1729.41
15-Mar-96	34.00	1732.84	1729.55	1728.85	1728.85	1750.09	1726.34	1729.21	1726.18	1729.21
30-Apr-96	33.70	1732.84	1729.35	1728.85	1728.85	1750.09	1726.34	1729.21	1726.18	1729.21
16-May-96	34.00	1732.84	1729.30	1728.85	1728.85	1750.09	1726.34	1729.21	1726.18	1729.21
20-Jun-96	34.00	1732.54	1729.15	1728.75	1728.75	1750.09	1726.34	1729.21	1726.18	1729.21
11-Jul-96	34.10	1732.44	1729.45	1728.75	1728.75	1750.09	1726.34	1729.21	1726.18	1729.21
28-Aug-96	34.00	1732.54	1729.20	1728.60	1728.60	1750.09	1726.34	1729.21	1726.18	1729.21
11-Sep-96	34.10	1732.44	1729.45	1728.60	1728.60	1750.09	1726.34	1729.21	1726.18	1729.21
17-Oct-96	34.00	1732.54	1729.20	1728.60	1728.60	1750.09	1726.34	1729.21	1726.18	1729.21
15-Nov-96	33.00	1733.54	1729.45	1728.60	1728.60	1750.09	1726.34	1729.21	1726.18	1729.21
20-Dec-96	33.10	1733.44	1729.40	1728.60	1728.60	1750.09	1726.34	1729.21	1726.18	1729.21
08-Jan-97	33.75	1732.79	1729.45	1728.60	1728.60	1750.09	1726.34	1729.21	1726.18	1729.21
18-Feb-97	33.70	1732.84	1729.40	1728.60	1728.60	1750.09	1726.34	1729.21	1726.18	1729.21
10-Mar-97	34.00	1732.54	1729.35	1728.60	1728.60	1750.09	1726.34	1729.21	1726.18	1729.21
09-Apr-97	34.00	1732.54	1729.35	1728.60	1728.60	1750.09	1726.34	1729.21	1726.18	1729.21
28-May-97	31.70	1734.84	1728.81	1728.60	1728.60	1750.09	1726.34	1729.21	1726.18	1729.21
18-Jun-97										
1-Aug-97										
15-Sep-97	31.75	1734.51	1728.56	1728.60	1728.60	1750.09	1726.34	1729.21	1726.18	1729.21
20-Nov-97										
02-Dec-97	32.87	1733.39	1729.12	1728.78	1728.78	1749.11	1726.76	1727.87	1727.04	1729.37
22-Jan-98	32.15	1734.11	1728.60	1728.78	1728.78	1749.11	1726.76	1727.87	1727.04	1729.37
11-Feb-98	33.10	1733.16	1728.52	1728.78	1728.78	1749.11	1726.76	1727.87	1727.04	1729.37
25-Mar-98	31.95	1734.31	1728.65	1728.78	1728.78	1749.11	1726.76	1727.87	1727.04	1729.37
27-Apr-98	32.40	1733.86	1728.76	1728.78	1728.78	1749.11	1726.76	1727.87	1727.04	1729.37
14-May-98	32.17	1734.09	1728.60	1728.78	1728.78	1749.11	1726.76	1727.87	1727.04	1729.37
15-Dec-98	32.18	1734.08	1728.60	1728.78	1728.78	1749.11	1726.76	1727.87	1727.04	1729.37
4-Feb-99	33.69	1733.57	1729.10	1728.66	1728.66	1749.11	1726.76	1727.87	1727.04	1729.37
24-Mar-99	33.03	1733.23	1728.76	1728.66	1728.66	1749.11	1726.76	1727.87	1727.04	1729.37
5-Aug-99	33.79	1732.46	1727.86	1728.66	1728.66	1749.11	1726.76	1727.87	1727.04	1729.37
8-Nov-99	33.60	1731.86	1727.47	1728.66	1728.66	1749.11	1726.76	1727.87	1727.04	1729.37
01-Jan-00	34.40	1731.86	1727.47	1728.66	1728.66	1749.11	1726.76	1727.87	1727.04	1729.37
31-Mar-00	35.24	1731.02	1726.85	1728.66	1728.66	1749.11	1726.76	1727.87	1727.04	1729.37
13-Nov-00	33.97	1732.29	1727.81	1728.66	1728.66	1749.11	1726.76	1727.87	1727.04	1729.37
01-Feb-01	34.93	1731.33	1726.84	1728.66	1728.66	1749.11	1726.76	1727.87	1727.04	1729.37
01-May-01	35.06	1731.20	1727.03	1728.66	1728.66	1749.11	1726.76	1727.87	1727.04	1729.37

**KERR-MCGEE CHEMICAL LLC
HENDERSON, NEVADA FACILITY
GROUNDWATER ELEVATIONS**

TOC-->	M-47		M-49		M-53		M-54		M-55		M-56		M-57		M-58		M-59		M-60	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
12-Dec-95	20.65	1695.85	20.30	1698.48	30.50	1721.06	28.15	1720.78	31.00	1718.35	29.35	1720.25	30.35	1721.94	29.35	1719.90	22.95	1720.66	28.70	1721.43
11-Jan-96	20.70	1695.81																		
12-Feb-96	20.80	1695.71	20.50	1698.28	31.00	1720.56	28.70	1720.23	31.60	1717.75	30.00	1719.60	30.90	1721.39	29.00	1720.25	22.00	1721.01	29.80	1720.33
15-Mar-96	21.70	1694.81																		
30-Apr-96	20.80	1695.71																		
16-May-96	20.80	1695.71	20.40	1698.38	30.30	1721.26	28.00	1720.93	30.80	1718.55	29.90	1719.70	30.40	1721.89	29.25	1720.00	22.10	1720.91	29.00	1721.13
20-Jun-96	20.85	1695.66																		
11-Jul-96	20.80	1695.71																		
28-Aug-96	20.80	1695.71	20.40	1698.38	30.40	1721.16	28.00	1720.93	31.00	1718.35	29.90	1719.70	30.40	1721.89	29.20	1720.05	22.20	1720.81	29.10	1721.03
11-Sep-96	20.90	1695.61																		
17-Oct-96	21.00	1695.51																		
15-Nov-96	21.10	1695.41	20.75	1698.03	31.20	1720.36	28.60	1720.33	31.45	1717.90	30.25	1719.35	31.35	1720.94	29.65	1719.60	22.60	1720.41	29.10	1721.03
20-Dec-96	21.20	1695.31																		
08-Jan-97	21.00	1695.51																		
18-Feb-97	21.35	1695.16																		
10-Mar-97	21.40	1695.11																		
09-Apr-97	21.40	1695.11	21.04	1697.74	31.10	1720.46	28.55	1720.38	31.15	1718.20	30.70	1718.90	31.38	1720.91	29.85	1719.40	22.77	1720.24	29.33	1720.80
28-Apr-97	21.41	1695.10			30.83	1720.73	28.35	1720.58	31.90	1717.45	30.63	1718.97	31.28	1721.01	29.90	1719.35	22.80	1720.21	29.35	1720.78
18-Jun-97																				
01-Aug-97	21.11	1695.40	20.50	1698.28	30.10	1721.46	28.50	1720.43	31.15	1718.20	30.35	1716.25	31.33	1720.96	29.05	1720.20	21.80	1721.21	28.80	1721.33
15-Sep-97					30.04	1721.52	27.50	1721.43	31.23	1718.12	28.80	1717.80	30.60	1721.69	29.08	1720.17	21.85	1721.16	28.64	1721.49
20-Nov-97	21.15	1695.36	21.58	1697.20	30.20	1721.36	27.91	1721.02	30.55	1718.10	30.00	1716.60	30.56	1721.73	29.08	1720.17	21.85	1721.16	28.30	1721.63
02-Dec-97	21.33	1695.18	21.00	1697.78	30.65	1720.91	27.26	1721.67	30.65	1718.35	30.00	1716.60	30.64	1721.65	28.34	1720.91	21.25	1721.76	28.30	1721.83
22-Jan-98	21.42	1695.09	21.05	1697.73	30.75	1720.81	27.85	1721.08	31.00	1718.35	29.85	1716.75	30.95	1721.34	28.90	1720.35	21.80	1721.21	28.37	1721.76
11-Feb-98	20.70	1695.46	20.70	1698.08	30.84	1720.81	28.10	1720.83	30.68	1718.35	30.00	1716.60	31.00	1721.29	29.00	1720.35	21.85	1721.16	28.55	1721.68
25-Mar-98	20.90	1695.61	20.83	1697.95	30.84	1720.72	28.24	1720.69	30.33	1719.02	30.14	1719.46	31.08	1721.21	29.30	1719.95	22.12	1720.89	28.85	1721.28
27-Apr-98	21.02	1695.49	20.73	1698.05	31.00	1720.56	28.46	1720.47	31.65	1717.70	30.75	1718.85	31.20	1721.09	29.40	1719.85	22.00	1721.01	29.00	1721.13
14-Sep-98	20.65	1695.86	20.50	1698.28	30.80	1720.76	28.40	1720.53	31.40	1717.95	30.68	1718.92	31.20	1721.09	29.52	1719.73	22.28	1720.73	29.05	1721.08
15-Dec-98					29.80	1721.14	28.55	1720.38	31.50	1717.85	30.40	1719.20	30.80	1721.94	29.80	1720.60	21.15	1721.86	28.40	1721.73
04-Feb-99	P&A		P&A		30.13	1721.43	28.65	1720.08	31.66	1717.69	30.40	1719.20	29.35	1722.94	28.65	1720.55	21.70	1721.31	28.73	1721.40
24-Mar-99					30.42	1721.14	28.55	1720.08	31.66	1717.69	30.63	1718.77	29.80	1722.49	28.70	1720.55	21.15	1721.31	28.40	1721.40
04-May-99					30.80	1720.76	29.32	1719.26	32.51	1716.84	31.05	1718.55	30.28	1721.39	29.23	1720.02	22.13	1720.88	30.44	1719.69
09-Aug-99					30.80	1720.76	29.67	1719.26	32.51	1716.84	31.05	1718.55	30.28	1721.39	29.23	1720.02	22.13	1720.88	30.44	1719.69
08-Nov-99					31.21	1720.38	29.72	1719.21	32.42	1716.93	31.87	1717.73	31.34	1720.95	30.20	1719.05	22.72	1720.29	31.14	1718.99
01-Jan-00					P&A	1720.38	29.63	1719.10	32.42	1716.93	31.87	1717.73	31.34	1720.95	30.20	1719.05	22.72	1720.29	31.14	1718.99
31-Jan-00							29.26	1719.10	32.32	1717.03	32.14	1717.45	31.15	1721.14	30.92	1718.33	23.51	1719.50	31.74	1718.39
18-Sep-00							29.26	1719.10	32.32	1717.03	32.14	1717.45	31.15	1721.14	30.92	1718.33	23.51	1719.50	31.74	1718.39
01-May-00							30.12	1718.81	32.38	1717.20	32.03	1717.57	31.10	1721.19	30.80	1718.28	23.72	1719.29	31.62	1718.03
13-Nov-00							30.10	1718.83	32.38	1717.20	32.15	1717.45	31.09	1721.20	30.80	1718.45	23.60	1719.41	32.10	1717.98
01-Feb-01							30.10	1718.83	32.38	1717.20	32.15	1717.45	31.09	1721.20	30.80	1718.45	23.60	1719.41	32.10	1717.98
01-May-01							31.23	1717.70	33.81	1715.54	33.92	1716.68	30.45	1721.84	31.20	1716.62	25.86	1717.15	32.87	1717.26
							29.25	1719.68	31.36	1717.99	32.50	1717.10	30.85	1721.44	31.69	1717.56	24.46	1718.55		

**KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA FACILITY
GROUNDWATER ELEVATIONS**

TOC-->	M-61 DTW 1745.55	M-62 DTW 1752.92	M-63 DTW 1750.59	M-64 DTW 1749.76	M-65 DTW 1752.88	M-66 DTW 1752.33	M-67 DTW 1744.88	M-68 DTW 1747.44	M-69 DTW 1748.77	M-70 DTW 1746.96
12-Dec-95	23.80	29.10	28.00	29.80	31.90	30.30	21.60	23.20	29.80	28.50
11-Jan-96		1723.82	1722.59	1719.96	1720.98	1722.03	1723.38	1724.24	1718.97	1718.46
12-Feb-96							20.80	23.00		
15-Mar-96	23.50	30.60	28.00	30.00	32.40	30.00	20.80	23.00	31.00	29.30
30-Apr-96		1722.32	1722.59	1719.76	1720.48	1722.33	1723.18	1724.44	1717.77	1717.66
16-May-96							21.00	22.20		
20-Jun-96	23.50	30.00	28.00	30.10	32.45	30.20	20.75	22.85	30.00	28.90
11-Jul-96		1722.05	1722.59	1719.66	1720.43	1722.13	1724.33	1724.59	1718.77	1718.06
28-Aug-96							21.00	23.30		
11-Sep-96	23.50	30.10	28.00	30.20	32.45	30.20	21.25	23.35	30.10	29.00
17-Oct-96		1722.82	1722.59	1719.56	1720.43	1722.13	1723.73	1724.09	1718.67	1717.96
16-Nov-96							21.30	23.40		
20-Dec-96	24.00	29.60	28.20	30.25	32.40	30.60	21.20	23.25	30.70	29.05
08-Jan-97		1723.32	1722.39	1719.51	1720.48	1721.73	1723.78	1724.19	1718.07	1717.91
10-Feb-97							21.25	23.30		
09-Apr-97	24.15	29.85	28.00	30.15	32.60	30.70	21.25	23.20	30.46	29.38
18-Jun-97	24.20	1721.40	1722.59	1719.36	1720.18	1721.55	1723.73	1724.19	1719.37	1717.58
1-Aug-97		1723.07	1722.62				21.45	23.50		
15-Sep-97		1723.47	1722.52	1719.41	1720.63	1722.48	1723.58	1724.12	1718.31	1717.11
20-Nov-97		1722.64	1723.29	1719.41	1720.63	1722.48	1723.60	1724.19	1719.37	
02-Dec-97	22.85	30.28	28.07	30.35	32.25	29.85	20.35	22.00	28.90	29.40
22-Jan-98	23.50	29.00	27.30	29.70	32.07	30.32	20.30	22.14	28.38	29.51
11-Feb-98	22.45	30.08	27.40	29.80	32.07	30.32	20.30	22.14	28.38	29.51
25-Mar-98	23.10	1723.10	1723.27	1721.06	1720.93	1722.91	1724.68	1725.44	1719.92	1718.22
14-Apr-98	23.49	28.50	27.70	28.70	31.95	29.42	20.00	22.00	28.77	28.74
17-May-98	23.22	1722.45	1722.89	1720.16	1720.73	1722.63	1724.63	1725.64	1720.07	1718.19
4-Feb-99	22.40	30.50	28.00	29.60	32.15	29.80	20.35	22.20	30.00	28.40
15-Dec-98	23.55	28.55	28.16	29.47	32.35	30.12	20.80	22.20	30.00	28.40
4-Mar-99	23.33	30.30	28.66	30.40	32.69	30.42	20.79	22.20	30.58	29.32
9-Apr-99	23.70	1722.00	1722.44	1719.36	1720.53	1721.78	1724.19	1725.04	1718.19	1717.81
8-May-99	24.20	1723.15	1722.79	1719.66	1720.28	1721.91	1724.19	1725.24	1718.59	1717.64
8-Jun-99	24.85	28.77	28.00	30.10	32.35	30.55	20.10	22.20	30.18	29.15
8-Jul-99	24.85	29.10	28.23	30.40	32.64	30.35	20.54	22.90	30.00	29.65
31-Aug-99	24.99	30.50	1722.36	1719.21	1720.35	1722.43	1724.44	1725.84	1718.27	1717.31
01-Sep-99	25.11	30.64	1721.61	1717.73	1720.24	1721.98	1724.08	1725.84	1717.63	1716.05
18-Sep-00	23.20	30.09	1721.61	1719.95	1719.98	1721.44	1723.56	1724.26	1717.25	1715.96
13-Nov-00	27.23	30.64	1721.61	1719.95	1719.88	1722.94	1723.84	1723.84	1717.25	1715.82
01-Feb-01	25.82	P&A	1721.65	1719.11	1720.01	1722.95	1723.15	1723.15	1716.85	1715.86
				30.35	32.95	31.47	24.01	24.01	32.00	31.14
				31.80	32.87	31.80	24.86	24.86	32.00	31.14
				31.80	33.06	31.80	24.86	24.86	32.00	31.14
				31.80	34.61	31.80	24.86	24.86	32.00	31.14
				32.87	33.22	32.10	22.75	22.75	31.99	31.60
				30.43	33.22	32.10	22.75	22.75	31.99	31.60
						1720.44	1720.44	1720.44	1716.78	1716.78
						1718.27	1718.27	1718.27	1716.57	1716.57
						1719.66	1719.66	1719.66	1716.78	1716.78
						1719.66	1719.66	1719.66	1716.78	1716.78

**KERR-MCGEE CHEMICAL LLC
HENDERSON, NEVADA FACILITY
GROUNDWATER ELEVATIONS**

TOC-->	M-71 1745.88		M-72 1745.49		M-73 1740.05		M-74 1743.42		M-78 1751.01		M-79 1742.83		M-80 1745.73		M-81A 1742.08		M-82A 1738.35		M-83 1740.83	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
12-Dec-95	28.00	1717.88	25.30	1719.99	20.50	1719.55	23.15	1720.27	34.00	1717.01	25.00	1717.93	30.30	1715.43	25.90	1716.18	22.30	1716.05	25.70	1715.13
11-Jan-96	28.40	1719.79	25.50	1719.80	20.25	1719.80	22.00	1721.22	34.60	1716.41	26.20	1716.73	31.25	1714.48	26.55	1715.53	22.70	1715.65	26.74	1714.09
12-Feb-96	29.40	1716.48	25.60	1720.29	20.20	1719.85	22.04	1721.38	34.28	1716.73	26.08	1716.85	31.65	1714.08	27.24	1714.84	22.85	1715.70	26.74	1714.01
15-Mar-96	29.00	1715.88	25.30	1719.99	20.30	1719.75	21.85	1721.57	34.50	1716.51	25.65	1717.28	31.52	1715.28	26.80	1715.28	22.66	1715.69	26.29	1714.54
30-Apr-96	29.80	1716.08	25.30	1720.39	20.00	1720.05	22.10	1721.32	37.00	1714.01	25.35	1717.58	30.70	1715.03	26.20	1715.88	22.95	1715.40	26.40	1714.43
16-May-96	30.10	1715.78	24.30	1720.99	19.65	1720.40	22.34	1721.08	37.00	1714.01	25.55	1717.38	30.10	1715.63	26.35	1715.73	22.35	1716.00	24.72	1716.11
20-Jun-96	29.70	1716.18	26.01	1719.28	20.60	1719.45	22.80	1720.62	34.25	1716.76	25.56	1717.37	28.12	1717.61	26.55	1715.53	22.19	1716.16	24.35	1716.48
11-Jul-96	29.90	1715.98	26.25	1719.04	20.75	1719.35	22.38	1721.04	34.80	1716.21	25.10	1717.83	31.00	1714.73	25.60	1716.48	24.45	1713.90	25.72	1714.26
28-Aug-96	30.00	1715.88	26.20	1719.29	20.75	1719.35	22.80	1720.62	34.65	1716.36	25.25	1717.68	31.00	1714.73	25.40	1716.68	22.90	1714.75	25.72	1715.11
11-Sep-96	29.85	1716.03	26.20	1719.09	20.70	1719.35	22.00	1720.42	34.68	1716.33	26.85	1716.08	31.14	1714.73	24.60	1717.48	23.59	1714.76	26.46	1714.37
17-Oct-96	29.85	1716.03	26.20	1719.09	20.70	1719.35	22.65	1720.77	34.80	1716.21	27.72	1715.21	31.95	1713.78	25.98	1715.16	24.13	1714.22	27.20	1713.63
15-Nov-96	29.85	1716.03	26.20	1719.09	20.70	1719.35	23.02	1720.42	35.00	1715.71	28.28	1714.65	32.56	1713.17	26.92	1714.19	24.72	1713.63	27.89	1712.94
30-Dec-96	29.65	1716.23	26.45	1718.84	20.65	1719.20	23.58	1719.84	35.30	1715.71	28.68	1714.25	33.05	1712.68	27.89	1712.95	25.40	1712.95	28.82	1712.01
08-Jan-97	30.10	1715.78	26.30	1718.99	20.45	1719.60	24.34	1719.08	33.68	1717.33	29.15	1713.72	33.40	1713.33	29.15	1712.98	25.69	1712.45	29.37	1711.46
16-Feb-97	30.50	1715.98	26.50	1718.79	20.80	1719.25	24.77	1718.65	35.14	1715.87	28.60	1713.13	32.18	1713.55	30.19	1711.89	25.84	1712.71	29.48	1711.35
09-Mar-97	30.35	1715.73	26.30	1718.89	20.90	1719.19	24.65	1718.87	34.30	1716.71	28.15	1713.78	33.60	1712.13	30.08	1711.99	25.53	1712.82	29.18	1711.65
28-Apr-97	29.90	1715.53	26.75	1718.94	21.00	1719.05	24.77	1718.87	34.80	1716.71	28.60	1713.78	34.75	1710.98	31.30	1710.78	26.05	1712.30	29.75	1711.08
16-Jun-97	30.80	1715.08	26.85	1718.44	21.00	1719.05	26.65	1716.71	35.65	1716.71	28.05	1713.88	34.80	1710.93	31.38	1710.78	25.90	1712.45	29.75	1711.10
1-Aug-97	30.31	1715.57	26.06	1719.23	21.12	1718.93	26.65	1715.77	35.65	1716.36	28.42	1713.61	34.77	1710.96	31.79	1710.29	25.91	1712.44	29.70	1711.13
15-Sep-97	28.75	1716.13	25.65	1719.64	20.20	1718.85	25.72	1717.70	33.65	1717.36	28.43	1714.50	33.88	1711.85	31.58	1710.50	25.11	1713.24	27.78	1713.05
20-Nov-97	29.14	1716.74	25.93	1719.36	21.51	1718.54	22.20	1721.22	34.60	1716.41	26.20	1716.73	31.25	1714.48	26.55	1715.53	22.70	1715.65	26.74	1714.09
02-Dec-97	29.65	1716.23	25.40	1719.89	19.70	1720.35	21.85	1721.57	34.28	1716.73	26.08	1716.85	31.65	1714.08	27.24	1714.84	22.85	1715.70	26.74	1714.01
22-Jan-98	30.02	1715.86	25.47	1719.82	20.00	1720.05	22.10	1721.32	34.50	1716.51	25.65	1717.28	31.52	1715.28	26.80	1715.28	22.66	1715.69	26.29	1714.54
11-Feb-98	29.37	1716.51	25.70	1719.59	20.15	1719.90	22.34	1721.08	37.00	1714.01	25.55	1717.38	30.10	1715.63	26.20	1715.88	22.95	1715.40	26.40	1714.43
25-Mar-98	29.46	1716.42	27.22	1718.07	20.46	1719.59	22.80	1720.62	34.25	1716.76	25.56	1717.37	28.12	1717.61	26.55	1715.53	22.19	1716.16	24.35	1716.48
14-Apr-98	29.40	1716.48	25.99	1719.30	20.27	1719.78	22.38	1721.04	34.80	1716.21	25.10	1717.83	31.00	1714.73	25.60	1716.48	24.45	1713.90	25.72	1714.26
15-Dec-98	28.29	1717.59	25.74	1719.55	19.74	1720.31	22.80	1720.62	34.65	1716.36	25.25	1717.68	31.00	1714.73	25.40	1716.68	22.90	1714.75	25.72	1715.11
4-Feb-99	29.40	1716.48	25.32	1719.97	19.64	1720.41	22.00	1723.42	34.68	1716.33	26.85	1716.08	31.14	1714.73	24.60	1717.48	23.59	1714.76	26.46	1714.37
24-Mar-99	30.00	1715.88	25.58	1719.71	19.84	1720.21	22.65	1720.77	34.80	1716.21	27.72	1715.21	31.95	1713.78	25.98	1715.16	24.13	1714.22	27.20	1713.63
9-Aug-99	30.78	1715.10	26.22	1719.07	20.44	1719.61	23.02	1720.42	35.00	1715.71	28.28	1714.65	32.56	1713.17	26.92	1714.19	24.72	1713.63	27.89	1712.94
8-Nov-99	30.97	1714.91	27.22	1718.07	21.21	1718.84	23.58	1719.84	35.30	1715.71	28.68	1714.25	33.05	1712.68	27.89	1712.95	25.40	1712.95	28.82	1712.01
31-Jan-00	31.53	1714.25	27.78	1717.51	21.58	1718.02	24.20	1719.22	33.68	1717.33	29.15	1713.72	33.40	1713.33	29.15	1712.98	25.69	1712.45	29.37	1711.46
18-May-00	31.07	1714.25	26.30	1716.99	22.03	1718.02	24.34	1719.08	35.14	1715.87	28.60	1713.13	32.18	1713.55	30.19	1711.89	25.84	1712.71	29.48	1711.35
18-Sep-00	32.14	1713.81	28.37	1716.32	22.17	1717.88	24.77	1718.65	34.30	1716.71	28.15	1713.78	33.60	1712.13	30.08	1711.99	25.53	1712.82	29.18	1711.65
13-Nov-00	31.90	1713.58	28.99	1716.30	22.84	1717.21	24.65	1718.87	34.80	1716.71	28.60	1713.78	34.75	1710.98	31.30	1710.78	26.05	1712.30	29.75	1711.08
01-Feb-01	32.16	1713.72	29.17	1716.12	23.07	1716.98	26.65	1715.77	35.65	1716.71	28.05	1713.88	34.80	1710.93	31.38	1710.78	25.90	1712.45	29.75	1711.10
01-May-01	31.97	1713.91	29.03	1716.26	23.03	1717.02	25.72	1717.70	33.65	1717.36	28.43	1714.50	33.88	1711.85	31.58	1710.50	25.11	1713.24	27.78	1713.05

**KERR-MCGEE CHEMICAL LLC
HENDERSON, NEVADA FACILITY
GROUNDWATER ELEVATIONS**

TOC-->	M-84 1739.63	M-85 1741.19	M-86 1742.73	M-87 1742.27	M-88 1737.99	M-89 1766.25	M-90 1738.95	M-91 1739.58	M-94 1695.07	M-95 1694.10	M-96 1693.50
	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW	DTW
12-Dec-95	24.60	25.35	26.80	27.60	23.10	32.55	23.45	23.80	8.14	8.24	8.85
11-Jan-96	24.55	1715.84	26.00	1714.87	22.80	32.45	1715.81	1718.48	1685.03	1685.86	1683.65
12-Feb-96	25.10	1716.73	26.00	1716.73	22.80	32.45	1715.18	1732.80	1685.08	1685.86	1685.31
15-Mar-96	25.80	1714.29	25.20	1715.53	22.60	32.50	1715.39	1732.75	1685.21	1685.21	1685.21
30-Apr-96	25.70	1713.93	25.20	1715.73	23.30	32.90	1714.68	1718.58	1685.17	1685.17	1685.51
16-May-96	25.95	1713.68	24.70	1718.03	22.70	32.75	1715.29	1732.50	1685.24	1685.24	1684.77
20-Jun-96	24.30	1715.33	24.70	1714.73	22.30	32.75	1715.69	1732.40	1685.31	1685.31	1684.39
11-Jul-96	25.35	1714.28	26.00	1714.73	22.95	32.85	1715.04	1718.48	1685.38	1685.38	1684.39
28-Aug-96	25.80	1713.83	26.50	1716.23	23.25	32.95	1714.74	1732.25	1685.45	1685.45	1684.39
11-Sep-96	25.70	1713.63	26.50	1716.23	23.10	32.70	1714.89	1732.25	1685.50	1685.50	1684.39
17-Oct-96	25.85	1713.78	26.50	1716.23	23.20	32.70	1714.79	1732.25	1685.57	1685.57	1684.39
15-Nov-96	25.80	1714.03	27.55	1715.18	23.15	32.85	1714.84	1732.30	1685.64	1685.64	1684.39
20-Dec-96	25.35	1714.28	26.00	1714.73	23.20	32.85	1714.79	1732.30	1685.71	1685.71	1684.39
08-Jan-97	25.85	1714.29	27.00	1715.73	23.35	33.00	1714.84	1717.78	1685.78	1685.78	1684.39
10-Mar-97	25.55	1714.08	28.05	1714.68	23.30	33.00	1714.69	1732.25	1685.85	1685.85	1684.39
18-Feb-97	25.95	1713.68	28.05	1714.68	23.50	32.90	1714.48	1732.35	1685.92	1685.92	1684.39
09-Apr-97	26.00	1713.53	28.50	1714.23	23.55	32.95	1714.44	1732.30	1686.00	1686.00	1684.39
28-Apr-97	25.95	1714.08	28.50	1714.23	23.60	33.15	1714.44	1732.10	1686.07	1686.07	1684.39
16-Jun-97	26.50	1713.13	28.03	1713.92	23.60	33.15	1714.44	1732.10	1686.14	1686.14	1684.39
1-Aug-97	26.21	1713.42	27.52	1713.87	23.67	33.02	1714.32	1732.23	1686.21	1686.21	1684.39
15-Sep-97	26.74	1713.16	27.70	1714.83	23.81	32.85	1714.32	1732.23	1686.28	1686.28	1684.39
02-Nov-97	25.74	1713.87	27.74	1714.83	23.81	32.85	1714.32	1732.23	1686.35	1686.35	1684.39
03-Dec-97	25.78	1713.79	26.11	1714.82	23.70	32.85	1715.29	1732.89	1686.42	1686.42	1684.39
23-Jan-98	25.85	1713.64	26.11	1714.82	23.63	32.85	1715.29	1732.89	1686.49	1686.49	1684.39
11-Feb-98	25.87	1713.78	27.88	1714.85	23.60	32.85	1715.49	1732.89	1686.56	1686.56	1684.39
25-Mar-98	24.40	1713.78	27.43	1715.25	23.58	32.85	1715.49	1732.89	1686.63	1686.63	1684.39
14-Apr-98	24.22	1715.41	27.43	1715.25	23.58	32.85	1715.49	1732.89	1686.70	1686.70	1684.39
27-Sep-98	25.05	1714.58	27.77	1714.98	23.70	32.85	1715.49	1732.89	1686.77	1686.77	1684.39
15-Dec-98	24.68	1714.87	26.42	1716.31	23.64	33.43	1715.21	1732.12	1686.84	1686.84	1684.39
4-Feb-99	25.10	1714.53	26.59	1716.14	23.63	33.13	1715.36	1732.12	1686.91	1686.91	1684.39
24-Mar-99	25.80	1713.73	26.70	1716.03	22.81	32.95	1715.18	1732.30	1686.98	1686.98	1684.39
4-May-99	26.00	1713.03	27.00	1715.73	22.53	33.00	1715.18	1732.25	1687.05	1687.05	1684.39
9-Aug-99	27.23	1712.40	27.88	1714.85	22.87	32.84	1715.46	1732.25	1687.12	1687.12	1684.39
8-Nov-99	27.53	1712.10	26.78	1713.95	23.78	33.51	1714.21	1731.74	1687.19	1687.19	1684.39
31-Jan-00	28.14	1712.10	28.74	1712.45	24.54	33.83	1713.45	1731.42	1687.26	1687.26	1684.39
01-May-00	27.83	1711.48	29.42	1711.77	24.82	33.43	1713.07	1731.82	1687.33	1687.33	1684.39
18-Sep-00	28.42	1710.28	30.80	1712.28	25.25	33.46	1712.74	1731.79	1687.40	1687.40	1684.39
13-Nov-00	28.20	1710.28	31.90	1711.93	26.06	33.93	1711.85	1731.32	1687.47	1687.47	1684.39
01-Feb-01	28.50	1710.13	31.62	1710.83	26.65	33.09	1711.85	1732.16	1687.54	1687.54	1684.39
01-May-01	28.20	1710.16	31.03	1710.28	26.77	33.47	1711.22	1731.78	1687.61	1687.61	1684.39

KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA FACILITY
GROUNDWATER ELEVATIONS

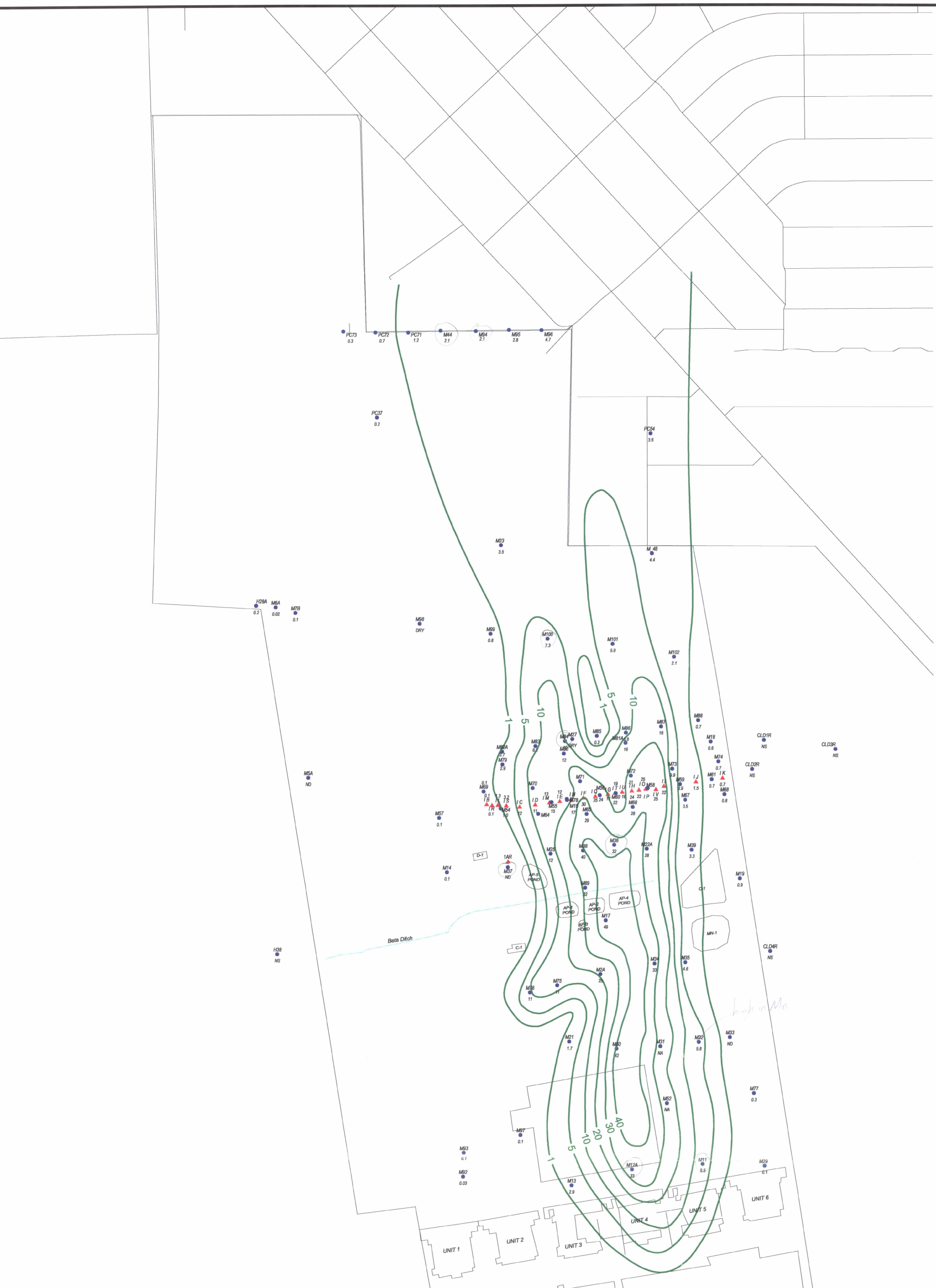
TOC-->	M-98 1731.81		M-99 1730.74		M-100 1730.93		M-101 1730.81		M-102 1740.24		PC-37 1707.72		PC-54 1704.43		PC-71 1698.74		PC-72 1698.43		PC-73 1699.50	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
04-Feb-99	25.62	1706.29	25.64	1705.10	22.80	1708.13	22.80	1708.01	30.12	1710.12	23.06	1694.66	12.16	1692.27	23.32	1675.42	31.00	1668.43	36.10	1663.40
24-Mar-99	26.22	1705.69	25.90	1704.84	24.46	1706.47	23.32	1707.49	30.75	1709.49	22.90	1694.82	12.02	1692.41	23.25	1675.49	30.89	1668.54	35.97	1663.53
04-May-99	27.00	1704.91	26.28	1704.45	24.65	1706.08	23.71	1707.10	31.06	1709.18	22.90	1694.82	12.02	1692.20	23.10	1675.64	30.72	1668.71	35.64	1663.86
08-Aug-99	28.68	1703.23	27.34	1703.40	25.75	1705.18	24.53	1706.28	31.70	1708.54	23.07	1694.65	12.33	1691.81	23.32	1675.42	30.70	1668.73	35.73	1663.77
08-Nov-99	29.10	1702.81	28.35	1702.39	26.79	1704.14	25.22	1705.59	32.42	1707.82	23.35	1694.37	12.82	1691.81	23.64	1675.10	31.04	1668.39	35.88	1663.64
31-Jan-00	30.75	1701.16	28.89	1701.75	27.33	1703.60	25.87	1704.94	33.02	1707.22	23.73	1693.99	13.18	1691.25	23.64	1675.10	30.87	1668.56	35.37	1664.13
01-May-00	31.24	1700.67	28.57	1701.17	27.86	1703.07	26.44	1704.37	33.51	1706.73	24.03	1693.89	13.13	1691.30	23.69	1675.05	31.37	1668.06	35.85	1663.65
18-Sep-00	dry		30.32	1700.42	28.25	1702.68	28.71	1702.10	34.37	1705.87	24.71	1693.01	13.85	1690.58	24.21	1674.53	31.35	1668.08	36.04	1663.46
13-Nov-00	dry		30.50	1700.24	28.27	1702.66	27.87	1703.14	34.59	1705.65	24.72	1693.00	14.10	1690.33	24.21	1674.14	31.67	1667.78	36.22	1663.28
01-Feb-01	dry		31.45	1699.26	30.08	1700.84	28.90	1701.91	35.20	1705.04	22.05	1695.67	14.58	1690.85	24.60	1674.14	31.67	1667.78	36.22	1663.28
01-May-01	dry		31.87	1699.07	30.40	1700.53	29.29	1701.52	35.53	1704.71	25.30	1692.42	14.64	1690.79	24.75	1673.99	31.63	1667.80	35.72	1663.78

**KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA FACILITY
GROUNDWATER ELEVATIONS**

TOC-->	I-A DTW	I-A ELEV	I-B DTW	I-B ELEV	I-C DTW	I-C ELEV	I-D DTW	I-D ELEV	I-E DTW	I-E ELEV	I-F DTW	I-F ELEV	I-G DTW	I-G ELEV	I-H DTW	I-H ELEV
12-Dec-95	41.00	1710.06	42.95	1707.74	43.80	1706.64	44.00	1706.54	44.80	1705.42	30.70	1716.88	39.80	1710.62	41.00	1710.07
11-Jan-96	42.00	1709.06	44.10	1706.59	43.20	1719.24	43.80	1706.74	35.90	1714.32	39.80	1707.78	41.00	1709.42	40.20	1710.87
12-Feb-96	42.00	1709.06	43.80	1706.89	43.70	1706.74	44.00	1706.54	36.00	1712.22	44.00	1703.58	30.70	1719.72	44.50	1708.57
15-Mar-96	42.00	1709.06	43.20	1707.49	44.10	1706.34	46.10	1704.44	42.30	1717.92	44.90	1702.68	39.00	1711.42	46.00	1705.07
30-Apr-96	42.00	1709.06	43.50	1707.19	43.85	1706.59	46.00	1704.54	35.90	1714.32	44.00	1703.58	39.55	1711.87	46.00	1705.47
16-May-96	41.95	1709.11	43.20	1707.49	43.75	1706.69	43.85	1706.69	34.50	1715.72	40.00	1707.58	39.50	1710.92	30.45	1720.82
20-Jun-96	41.80	1709.26	43.10	1707.59	43.90	1706.54	43.80	1706.74	36.20	1714.02	44.10	1703.48	31.00	1719.42	36.00	1715.07
11-Jul-96	42.00	1709.06	42.80	1707.89	43.65	1706.79	43.90	1706.64	34.50	1715.72	42.80	1704.78	32.20	1718.22	33.40	1717.67
28-Aug-96	42.20	1708.86	43.60	1707.09	44.20	1706.24	43.80	1706.74	36.00	1714.22	32.20	1715.38	31.30	1719.12	33.95	1717.12
11-Sep-96	42.00	1709.06	43.60	1707.09	44.20	1706.74	43.80	1706.74	34.70	1715.52	41.70	1705.86	31.45	1718.97	39.00	1712.07
17-Oct-96	42.00	1709.06	43.25	1707.44	43.80	1706.64	43.85	1706.69	36.50	1713.72	41.40	1706.18	39.70	1710.72	36.00	1715.07
15-Nov-96	42.00	1709.06	42.50	1708.19	43.80	1706.64	43.80	1706.74	34.80	1715.42	41.70	1705.88	31.40	1719.02	35.10	1715.97
20-Dec-96	42.00	1709.06	42.80	1707.89	44.00	1706.44	43.85	1706.69	34.45	1715.77	40.00	1707.58	31.30	1719.12	41.50	1709.57
08-Jan-97	33.50	1717.56	44.05	1706.64	43.80	1706.64	43.85	1706.69	35.30	1714.92	41.65	1705.93	40.75	1709.67	41.70	1709.37
18-Feb-97	42.00	1709.06	44.00	1706.88	43.90	1706.54	43.85	1706.69	41.15	1709.07	41.70	1705.88	40.70	1709.72	36.20	1714.87
10-Mar-97	33.00	1718.06	42.60	1708.09	43.90	1706.54	43.85	1706.69	35.70	1714.52	41.60	1705.98	40.75	1708.67	35.65	1715.42
09-Apr-97	40.00	1711.06	42.65	1708.04	43.85	1706.54	43.80	1706.74	34.60	1715.62	41.60	1705.98	40.75	1709.67	36.00	1715.07
28-Apr-97	34.25	1716.81	42.70	1707.99	43.90	1706.54	43.87	1706.67	33.80	1716.42	41.15	1706.43	40.76	1709.66	42.00	1709.07
18-Jun-97	40.00	1711.06	43.40	1707.29	31.85	1718.59	43.00	1707.54	35.70	1714.52	40.60	1706.98	40.70	1709.72	39.80	1711.27
1-Aug-97	35.94	1715.12	43.15	1707.54	43.20	1707.24	34.60	1715.94			41.91	1705.67				
15-Sep-97	40.00	1711.06	43.00	1707.89	30.05	1720.39	44.05	1706.49	34.35	1715.87	43.00	1704.58	40.70	1709.72	36.40	1714.67
20-Nov-97	40.00	1711.06	43.00	1707.89	30.05	1720.39	44.05	1706.49	34.35	1715.87	43.00	1704.58	40.70	1709.72	36.40	1714.67
02-Dec-97	34.00	1717.06	39.00	1715.69	34.00	1716.44	42.80	1707.74	37.00	1713.22	33.30	1714.28	39.90	1710.52	37.70	1713.37
22-Jan-98	37.65	1713.41	39.20	1711.49	42.20	1708.24	44.25	1706.29	37.50	1712.72	36.25	1709.33	39.44	1710.98	31.54	1719.53
11-Feb-98	34.80	1716.26	43.00	1707.69	44.00	1706.44	44.70	1706.84	34.30	1715.92	40.85	1706.73	39.70	1710.72	34.20	1716.87
25-Mar-98	37.89	1713.17	43.18	1707.51	42.73	1707.71	32.15	1718.39	33.22	1717.00	40.74	1706.84	35.87	1714.55	34.85	1716.22
27-Apr-98	38.73	1712.33	42.73	1707.86	41.13	1708.31	44.41	1706.13	37.15	1713.07	40.70	1706.88	39.84	1710.58	36.02	1715.05
14-Sep-98	40.70	1710.36	42.86	1707.83	41.10	1709.34	44.41	1706.04	35.63	1714.59	40.98	1706.60	39.00	1711.42	40.58	1710.49
15-Dec-98	31.82	1719.24	43.21	1707.48	43.94	1706.50	44.64	1706.90	34.15	1716.07	41.32	1706.26	39.95	1710.47	31.00	1720.07
4-Feb-99	35.00	1716.06	42.80	1707.89	43.90	1706.54	44.62	1705.92	36.00	1714.22	41.50	1706.08	39.80	1710.62	32.00	1719.07
24-Mar-99	38.42	1712.64	42.10	1708.59	43.70	1706.74	43.87	1706.67	39.65	1710.57	40.56	1707.02	39.46	1710.96	32.67	1718.40
4-May-99	33.14	1717.92	42.54	1708.15	43.37	1707.07	43.80	1705.74	35.50	1714.72	41.04	1706.54	40.94	1709.48	33.18	1717.89
9-Aug-99	35.44	1715.82	43.54	1707.15	34.49	1715.95	44.32	1706.22	38.85	1713.37	44.00	1703.58	39.90	1710.52	39.90	1711.17
8-Nov-99	34.60	1716.46	44.00	1706.69	35.32	1715.12	38.55	1711.99	36.62	1713.60	44.80	1702.78	33.58	1716.84	41.51	1708.56
31-Jan-00	P&A		43.19	1707.50	43.62	1706.82	43.42	1707.12	34.50	1715.72	42.81	1714.77	39.73	1710.69	41.26	1709.81
01-May-00			43.70	1706.69	41.47	1709.07	41.47	1709.07	45.25	1704.97	43.92	1703.66	34.56	1715.86	39.70	1711.37
18-Sep-00			44.20	1706.49	43.70	1706.74	41.36	1709.18	45.10	1705.12	41.80	1705.78	34.80	1715.62	39.70	1709.81
13-Nov-00			42.33	1708.36	43.85	1706.59	41.41	1708.13	45.32	1704.90	44.42	1703.16	34.80	1715.62	33.85	1717.22
01-Feb-01			43.48	1707.21	43.85	1706.59	41.95	1708.59	45.42	1704.80			35.56	1715.06	37.62	1713.45

**KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA FACILITY
GROUNDWATER ELEVATIONS**

TOC-->	H 1743.36		I-J 1747.95		I-K 1743.97		I-L 1749.49		I-M 1750.72		I-N 1749.26		I-O 1750.66		I-P 1751.66		I-Q 1753.11	
	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
12-Dec-95	41.00	1702.36	33.60	1714.35	36.00	1707.97	39.90	1709.59	41.55	1709.17	31.60	1717.66	34.80	1715.86				
11-Jan-96	34.00	1702.36	33.15	1714.80	34.30	1709.67	40.00	1709.49	41.50	1709.22	32.00	1717.26	34.70	1715.96				
12-Feb-96	41.00	1702.36	35.40	1712.55	34.00	1709.97	40.00	1709.49	41.00	1709.72	38.40	1710.66	34.50	1716.16				
15-Mar-96	28.20	1715.16	35.50	1712.45	33.00	1710.97	40.70	1708.79	41.40	1709.32	40.40	1708.66	32.90	1717.76				
30-Apr-96	37.70	1705.66	34.90	1713.05	33.00	1710.97	39.90	1709.59	41.40	1709.32	38.00	1711.26	32.50	1718.16				
16-May-96	31.00	1712.36	33.95	1714.00	36.00	1707.97	39.90	1709.59	41.00	1709.72	38.10	1711.16	33.00	1717.66				
20-Jun-96	33.00	1710.36	33.95	1711.35	35.70	1708.27	40.00	1709.49	41.40	1709.32	38.10	1710.16	33.00	1711.66				
11-Jul-96	36.00	1702.36	36.50	1711.45	32.50	1711.47	38.85	1710.64	41.60	1709.12	38.00	1711.26	34.50	1716.16				
28-Aug-96	41.00	1702.36	37.50	1710.45	35.50	1708.47	40.00	1709.49	38.95	1711.77	38.00	1710.26	34.50	1716.16				
11-Sep-96	41.30	1702.06	34.00	1713.95	35.60	1708.37	39.60	1709.69	38.60	1711.12	38.10	1711.16	33.30	1717.36				
17-Oct-96	34.50	1713.45	34.50	1713.45	34.30	1709.67	40.00	1709.49	38.60	1712.12	38.00	1711.26	34.80	1715.86				
15-Nov-96	33.20	1710.16	33.50	1714.45	35.00	1708.97	40.00	1709.49	38.60	1712.12	38.00	1711.26	34.80	1715.86				
20-Dec-96	41.00	1702.36	33.90	1714.05	33.40	1710.57	39.90	1709.59	40.80	1709.92	37.30	1711.96	34.30	1716.36				
08-Jan-97	41.00	1702.36	35.81	1712.14	30.20	1713.77	39.80	1709.69	41.30	1709.42	32.75	1716.51	33.80	1716.86				
18-Feb-97	40.30	1703.06	35.80	1712.15	30.80	1713.17	40.10	1709.39	41.35	1709.37	37.55	1711.71	33.60	1712.26				
10-Mar-97	35.80	1707.56	33.00	1714.95	31.70	1712.27	39.95	1709.54	41.80	1708.82	33.20	1716.06	35.60	1715.06				
09-Apr-97	41.00	1702.36	36.50	1711.45	34.80	1709.17	39.50	1709.99	41.70	1709.02	33.30	1715.96	36.00	1714.66				
28-Apr-97	41.00	1702.36	35.80	1712.15	36.25	1707.72	38.10	1711.39	33.15	1717.57	32.98	1716.28	39.95	1710.71				
18-Jun-97	40.00	1703.36	36.25	1711.70	36.20	1707.77	38.65	1710.64	41.80	1708.92	33.60	1715.66	36.30	1714.36				
01-Aug-97																		
15-Sep-97	41.05	1702.31					38.05	1711.44	41.66	1709.06	39.18	1710.08	30.59	1720.07			40.95	1712.16
20-Nov-97	41.00	1702.36	30.65	1717.30	30.10	1713.87	38.70	1710.79	41.70	1709.02	34.60	1714.66	36.00	1714.66			40.14	1712.97
02-Dec-97	41.00	1702.36	30.65	1717.30	30.10	1713.87	38.70	1710.79	41.70	1709.02	34.60	1714.66	36.00	1714.66			36.30	1714.81
22-Jan-98	39.50	1703.86	28.60	1718.35	22.10	1721.87	30.90	1718.59	40.00	1710.72	38.00	1711.26	32.85	1717.81			38.00	1715.11
11-Feb-98	35.90	1707.46	28.50	1719.45	26.17	1717.80	37.32	1712.17	40.05	1710.87	37.00	1712.26	34.15	1716.51			37.24	1715.87
25-Mar-98	41.00	1702.36	37.00	1710.95	37.80	1706.17	38.60	1710.89	41.20	1709.52	38.00	1711.26	35.00	1715.66			36.58	1716.53
27-Apr-98	30.30	1713.06	34.30	1713.65	24.51	1719.46	32.59	1716.90	40.19	1710.53	33.43	1715.66	33.00	1717.66			39.33	1713.78
14-Sep-98	26.04	1717.32	35.55	1712.40	24.53	1719.44	38.83	1709.66	41.94	1708.78	36.29	1712.97	38.08	1712.58			39.15	1713.96
15-Dec-98	24.77	1718.59	30.63	1717.32	22.76	1721.21	38.60	1710.89	41.67	1709.05	36.12	1713.14	33.77	1716.89				
04-Feb-99	24.44	1718.92	32.51	1715.44	28.60	1715.37	37.50	1711.99	41.73	1708.99	37.10	1712.16	40.72	1708.94				
24-Mar-99	23.50	1719.86	29.00	1718.95	28.90	1715.07	39.25	1710.24	41.70	1709.02	39.20	1712.06	30.20	1720.46				
04-May-99	24.33	1719.03	29.25	1718.70	30.28	1713.69	39.31	1710.48	37.45	1713.27	37.10	1712.16	30.70	1719.96				
08-Aug-99	25.34	1718.02	38.12	1709.83	30.07	1713.90	32.00	1717.49	41.90	1708.82	37.04	1712.22	31.80	1718.66				
08-Nov-99	25.40	1717.96	39.04	1708.91	31.10	1712.87	38.77	1710.72	41.75	1708.87	34.00	1715.26	33.00	1717.66				
31-Jan-00	26.30	1717.06	28.60	1719.35	25.86	1718.11	37.31	1712.18	41.74	1708.98	33.90	1715.36	32.60	1718.06				
01-May-00	25.92	1717.44	40.70	1707.25	30.23	1713.74	39.68	1709.81	40.25	1710.47	34.24	1715.02	32.58	1718.06				
18-Sep-00	30.70	1712.66	41.86	1706.09	29.41	1714.56	40.08	1709.41	41.71	1709.01	38.50	1710.76	35.14	1715.52				
13-Nov-00	35.10	1708.26	32.45	1711.52	32.45	1711.52	38.75	1709.74	41.25	1709.47	38.28	1710.98	36.57	1714.09				
01-Feb-01	36.39	1708.97	31.12	1712.85	39.87	1709.62	39.87	1709.62	41.10	1709.62	35.09	1714.17	36.26	1714.40				
01-May-01	34.64	1708.72	30.18	1713.79	30.18	1713.79	39.25	1710.24	33.55	1717.17	41.60	1707.66	37.25	1713.41				



300 0 300 Feet

RECEIVED

JUL 27 2001

ENVIRONMENTAL PROTECTION

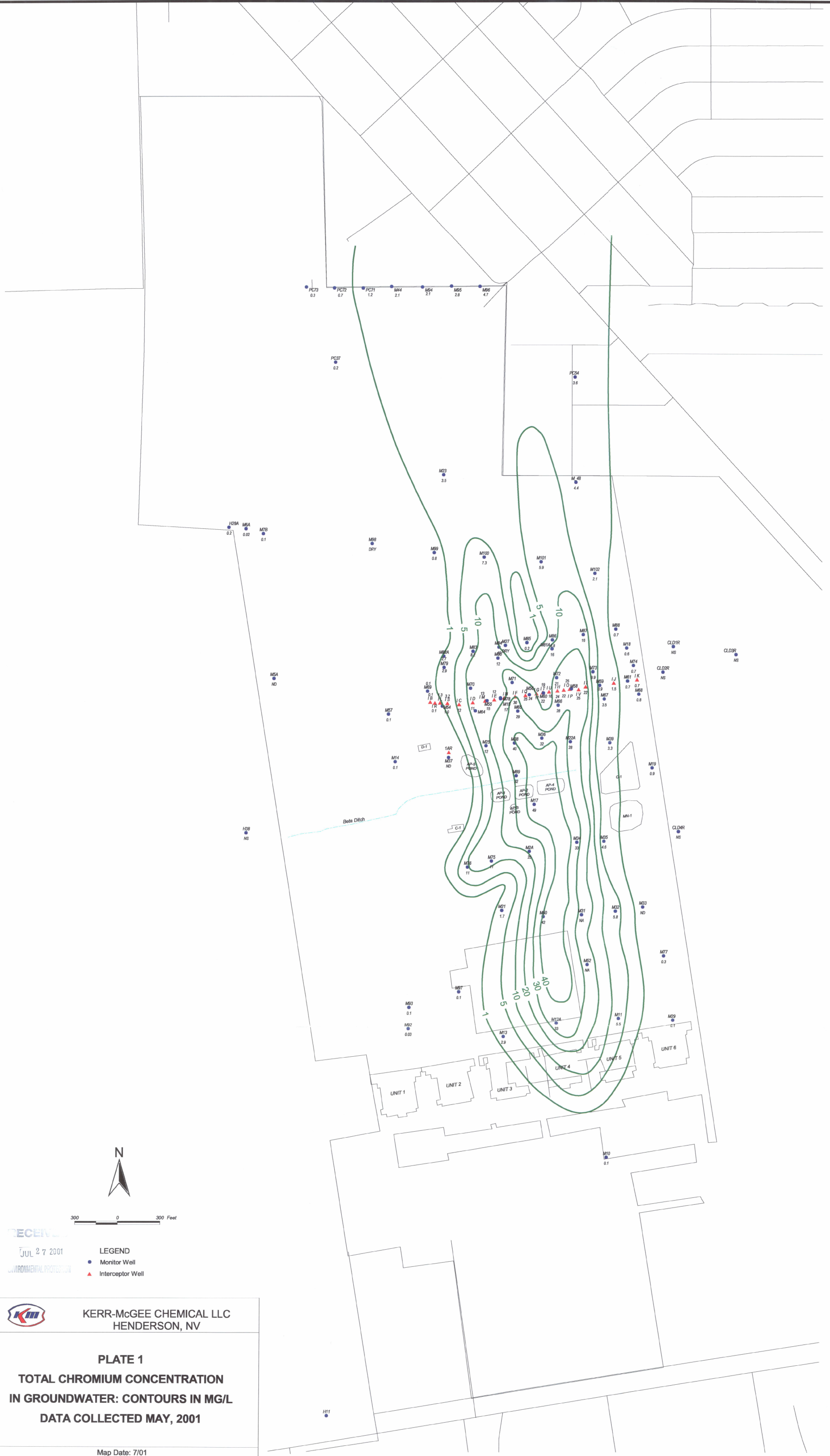
LEGEND

- Monitor Well
- ▲ Interceptor Well



KERR-McGEE CHEMICAL LLC
HENDERSON, NV

PLATE 1
TOTAL CHROMIUM CONCENTRATION
IN GROUNDWATER: CONTOURS IN MG/L
DATA COLLECTED MAY, 2001



300 0 300 Feet

RECEIVED
 JUL 27 2001
 ENVIRONMENTAL PROTECTION

- LEGEND**
- Monitor Well
 - ▲ Interceptor Well

KERR-McGEE CHEMICAL LLC
 HENDERSON, NV

PLATE 1
TOTAL CHROMIUM CONCENTRATION
IN GROUNDWATER: CONTOURS IN MG/L
DATA COLLECTED MAY, 2001

Map Date: 7/01