



**Texas Commission on
Environmental Quality**
Austin, Texas

PRODUCTION AREA AUTHORIZATION 3

Mine: Kingsville Dome
Production Area: UR02827-031

TCEQ Docket No. 1997-1063-UIC
TCEQ Docket No. 2004-0746-UIC

AUTHORIZATION to conduct underground
injection under provisions of
Permit No. UR02827-001

I. Name of Permittee:

A. Name: URI, Inc.
B. Address: 650 S. Edmonds Lane, Suite 108
Lewisville, TX 75067

II. Name of Mine: Kingsville Dome

III. Standard Provisions:

A. Restoration Table (Attachment A)

When mining of the production area (PA) is completed, the permittee shall proceed to reestablish groundwater quality in the mine area aquifer to a level consistent with the values listed in the Restoration Table in Attachment A. When restoration begins, the permittee shall notify the executive director.

B. Control Parameter Upper Limits Table (Attachment B)

If the results of routine sample analysis from a designated monitor well show that the value of any control parameter is equal to or above the values listed in Attachment B, the operator shall follow all procedures for verification, notification, and restoration according to 30 TAC §§331.105 - 331.106.

CONTINUED on Pages 2 through 14

The permittee is authorized to conduct injection activity in accordance with limitations, requirements, and other conditions set forth herein. This Authorization is granted subject to the provisions of Permit No. UR02827-001. This Authorization is valid until amended or revoked by the Commission, or until revocation of the area permit number UR02827-001.

ISSUED MAY 04 2006

A handwritten signature in black ink, appearing to read "J. L. White".
For The Commission

C. Designated Monitor Well and Baseline Well Table (Attachment C)

Routine water quality sampling according to 30 TAC §331.105 is required for all designated monitor wells.

D. Permit Area Map (Attachments D1, D2, and D3)

E. Mining and Restoration Schedule (Attachment E)

F. Plan View of Mine Area (Attachment F)

G. Baseline Water Quality Table (Attachment G)

H. The permittee shall maintain in full force and at all times a performance bond or other mechanism of financial assurance, to provide for proper plugging and abandonment of the existing wells associated with this production area authorization (PAA 3) according to 30 TAC §§331.142 - 331.144 and 30 TAC Chapter 37. The financial assurance for any new wells shall be provided at least 60 days prior to the commencement of drilling operations.

IV. Special Provisions:

A. The permittee shall complete full-scale restoration in PAs 1 and 2, as required by 30 TAC §331.107.

B. Restoration which started in Well Fields 9 and 10 of PA 3 (see Attachment D2) on August 19, 1999, shall be continued by the permittee in these well fields until restoration is complete or until mining resumes in PA 3. If mining resumes in PA 3, the permittee shall undertake restoration in accordance with 30 TAC §331.107(b) when mining is completed.

C. To ensure that an adequate cone of depression is being maintained in PA 3, water level measurements shall be taken from each monitor well, concurrent with each water quality sampling of monitor wells required by 30 TAC §331.105. The results of these water level measurements shall be maintained on site and kept readily available for review by TCEQ representatives.

D. Non-Production Zone Monitor Wells

1. Non-production zone monitor wells shall be completed in the first and second overlying (400' Sand and 250' Sand) and first underlying (AA Sand) aquifers in PA 3. These monitor wells shall be tested for water level fluctuations every three months during injection operations.

2. The procedure to be used in testing for water level fluctuations is subject to approval by the executive director. The results of these water level measurements shall be submitted to the executive director on March 1st, June 1st, September 1st and December 1st of each year.

3. If a monitor well in one of the non-production zone aquifers exhibits water level fluctuations that demonstrate hydrologic communication between the production zone and one of these aquifers, the permittee shall determine if and to what extent leaching solutions are present in affected aquifers, and accomplish clean-up in accordance with 31 TAC Section 331.106. Under such circumstances, corrective action reports shall be submitted monthly to the executive director.
- E. Prior to the injection of mining fluids, the permittee shall provide to the executive director a copy of a letter from the Department of State Health Services, which states that sufficient financial security for groundwater restoration has been posted with the Department of State Health Services.
- F. If the permittee does not inject mining solutions in wellfields 11, 12, 13, 14, 15, 16, or 17 for mining in production area 3 by January 1, 2010, the permittee shall install production zone monitor wells within the production area according to the spacing requirements of 30 §331.103(a) to monitor for excursions from the wellfields in production area 3 that have been mined.

**ATTACHMENT A
RESTORATION TABLE**

<u>Parameter</u>	<u>Unit</u>	<u>Concentration</u>
Calcium	mg/l	18
Magnesium	mg/l	6.9
Sodium	mg/l	404
Potassium	mg/l	16
Bicarbonate	mg/l	232
Sulfate	mg/l	364
Chloride	mg/l	289
Nitrate-N	mg/l	0.89
Fluoride	mg/l	0.6
Silica	mg/l	20
TDS	mg/l	1221
Conductivity	µmhos	2017
Alkalinity	Std. Units	191
pH	Std. Units	6 - 9
Arsenic	mg/l	0.009
Cadmium	mg/l	0.0001
Iron	mg/l	0.02
Lead	mg/l	0.003
Manganese	mg/l	0.01
Mercury	mg/l	0.0001
Molybdenum	mg/l	0.33
Selenium	mg/l	0.014
Uranium	mg/l	0.338
Ammonia-N	mg/l	0.18
Radium-226	pCi/l	21.6

ATTACHMENT B

CONTROL PARAMETER UPPER LIMITS TABLE

Production Zone

Control Parameter

Chloride, mg/l	554
Conductivity, μ mhos	3525
Uranium, mg/l	6.54

Non-Production Zone

Control Parameter

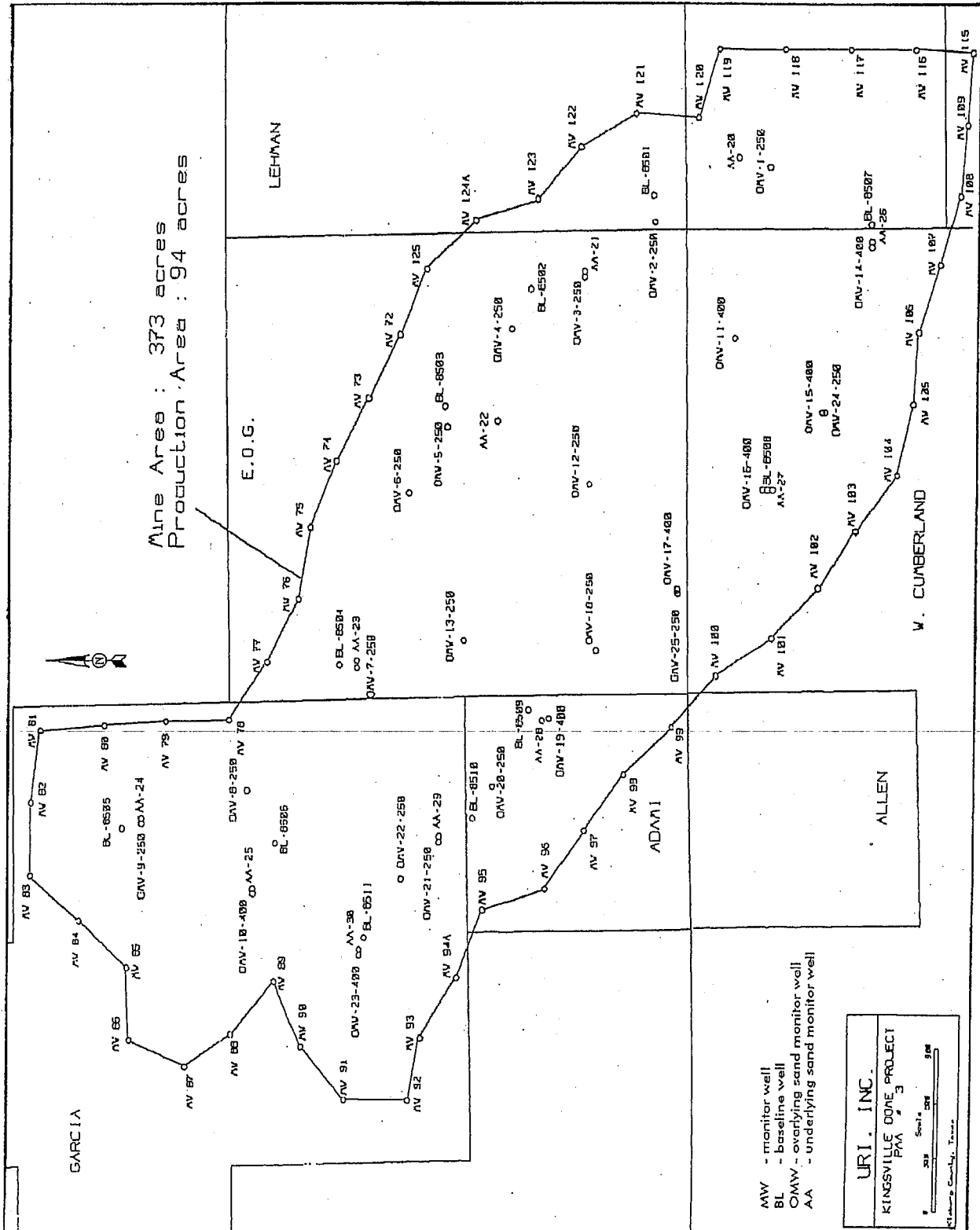
	(250' Sand)	(400' Sand)	(AA Sand)
Chloride, mg/l	836	482.5	666.3
Conductivity, μ mhos	4575	2787.5	4275
Uranium, mg/l	5.041	5.024	5.24

ATTACHMENT C

DESIGNATED MONITOR WELL AND BASELINE WELL TABLE

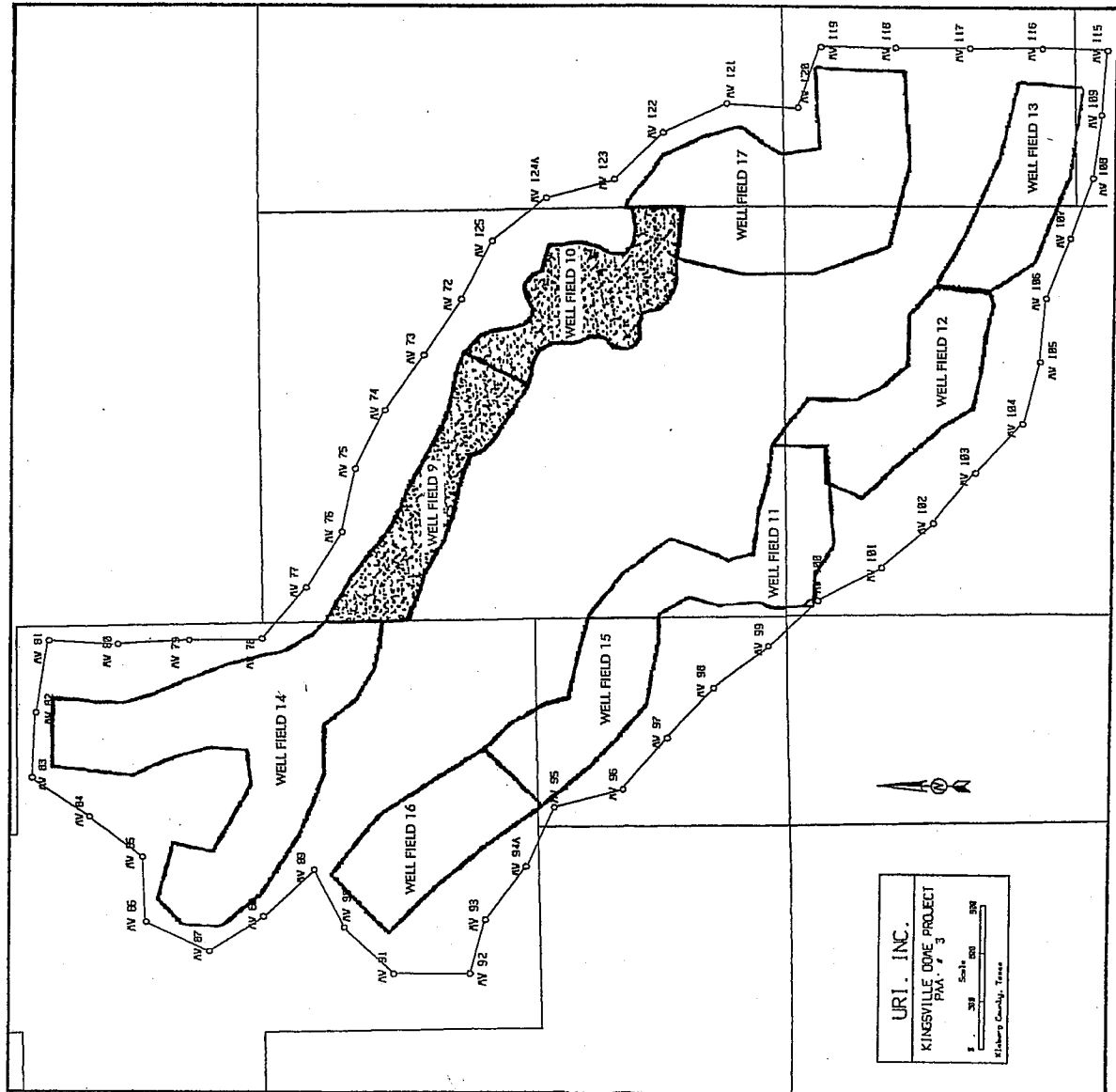
Mine Area	Overlying 250' Sand	Underlying Sand	Baseline Wells	
MW-72	MW-100	OMW-1-250	AA-20	BL-8501
MW-73	MW-101	OMW-2-250	AA-21	BL-8502
MW-74	MW-102	OMW-3-250	AA-22	BL-8503
MW-75	MW-103	OMW-4-250	AA-23	BL-8504
MW-76	MW-104	OMW-5-250	AA-24	BL-8505
MW-77	MW-105	OMW-6-250	AA-25	BL-8506
MW-78	MW-106	OMW-7-250	AA-26	BL-8507
MW-79	MW-107	OMW-8-250	AA-27	BL-8508
MW-80	MW-108	OMW-9-250	AA-28	BL-8509
MW-81	MW-109	OMW-12-250	AA-29	BL-8510
MW-82	MW-115	OMW-13-250	AA-30	BL-8511
MW-83	MW-116	OMW-18-250		
MW-84	MW-117	OMW-20-250		9101
MW-85	MW-118	OMW-21-250		9105
MW-86	MW-119	OMW-22-250		9103
MW-87	MW-120	OMW-24-250		9107
MW-88	MW-121	OMW-25-250		9109
MW-89	MW-122			9111
MW-90	MW-123			9113
MW-91	MW-124-A			9302
MW-92	MW-125			9304
MW-93				9306
MW-94-A				9308
MW-95		Overlying 400' Sand		9310
MW-96				9312
MW-97		OMW-10-400		9314
MW-98		OMW-11-400		9315
MW-99		OMW-14-400		9602
		OMW-15-400		
		OMW-16-400		
		OMW-17-400		
		OMW-19-400		
		OMW-23-400		

ATTACHMENT D1
 PERMIT AREA MAP

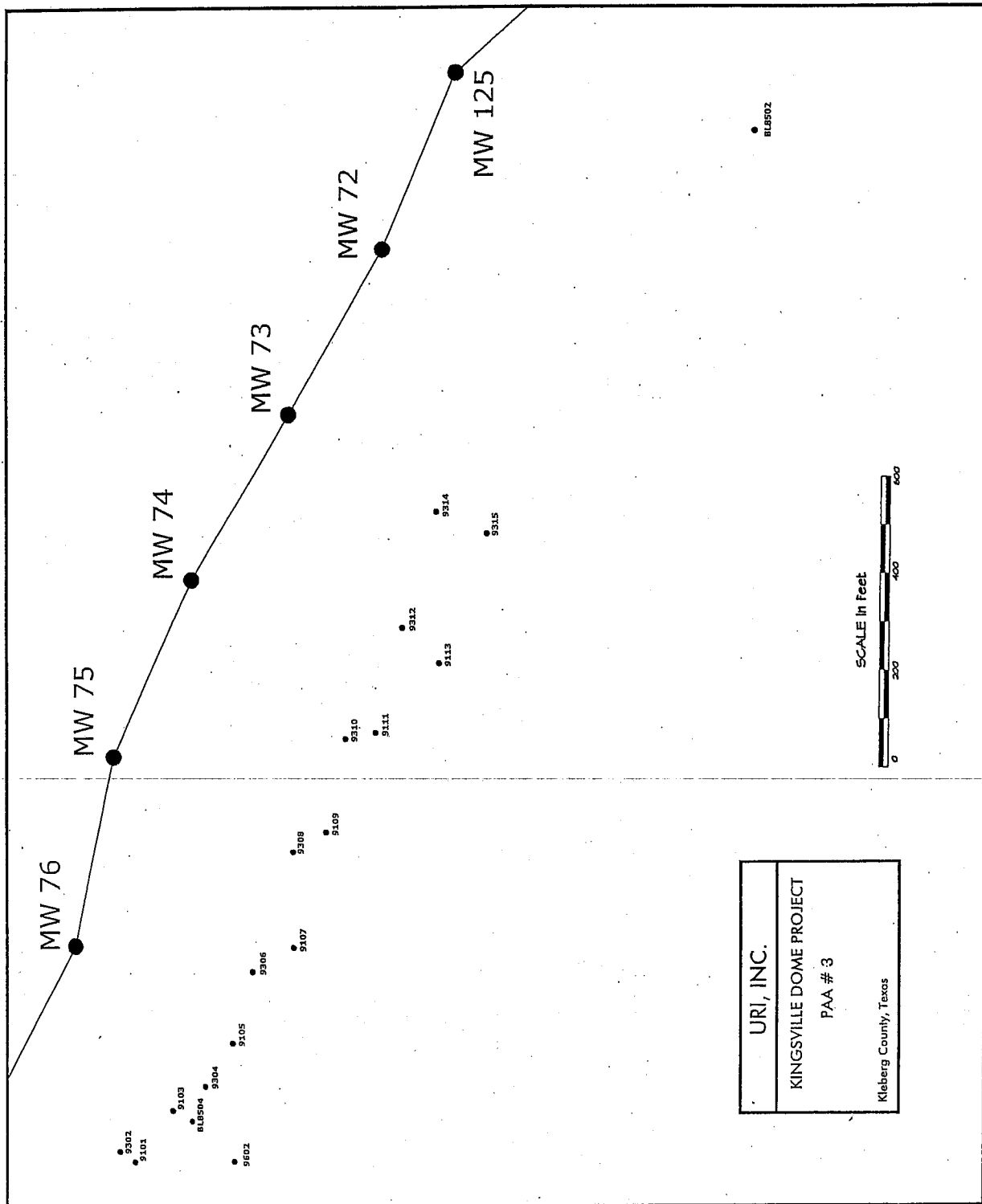


ATTACHMENT D2

PERMIT AREA MAP



ATTACHMENT D3
PERMIT AREA MAP

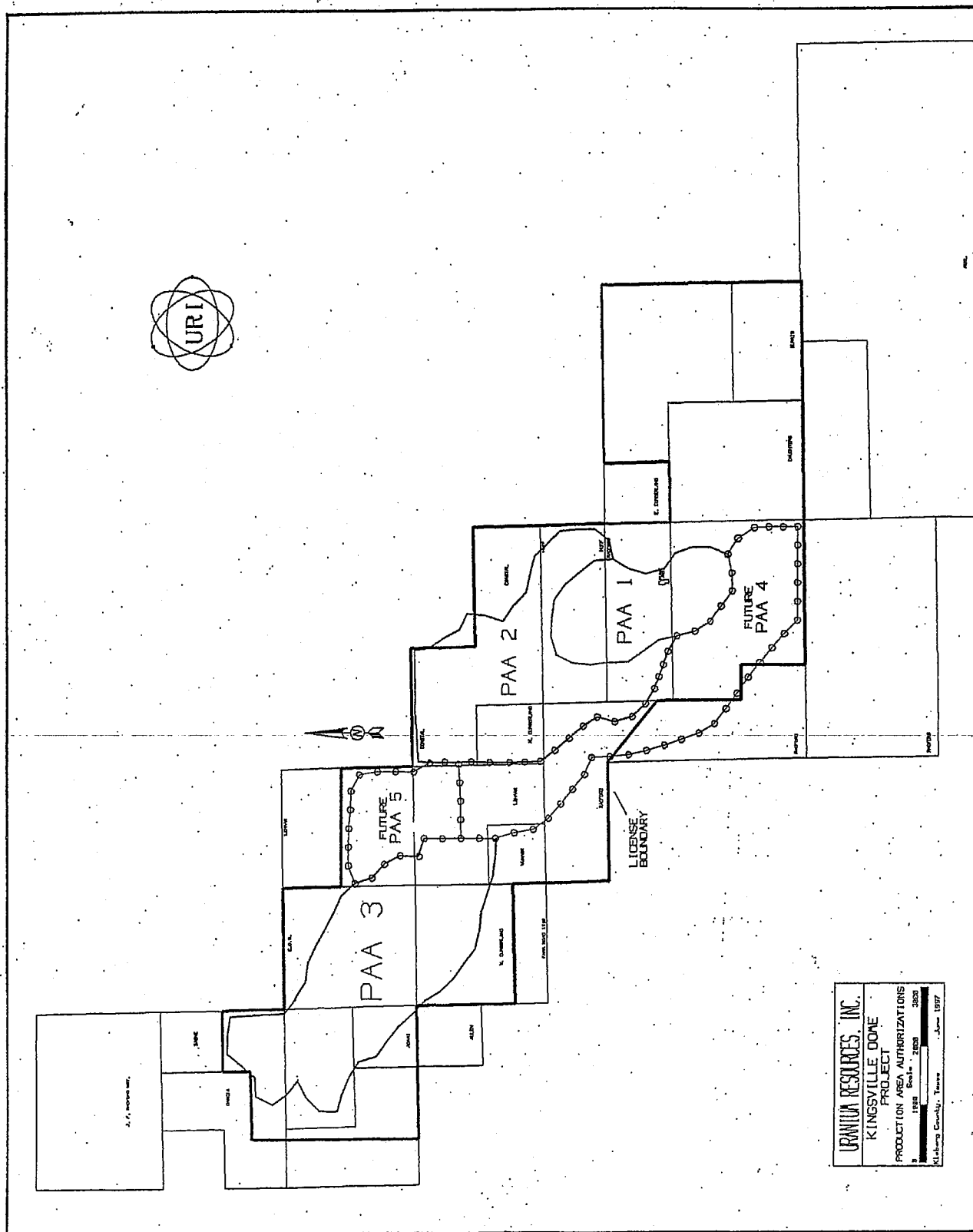


MINING AND RESTORATION SCHEDULE

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ATTACHMENT F

PLAN VIEW OF MINE AREA



ATTACHMENT G

BASELINE WATER QUALITY TABLE

GROUND WATER ANALYSIS REPORT SUMMARY And BASELINE WATER QUALITY - In Situ Mining															Company: URI, Inc. Mine Name: Kingsville Dome Mine Area: #3 Date Sampled: 5-6/ 1997, 4-6/1998 Production Sand & 250' Sand						
PARAMETER	UNIT	NON-PRODUCTION ZONE**					MINE AREA **					PRODUCTION ZONE					WELL I.D. BY AREA *				
		Low		Average		High	Low		Average		High	Low		Average		High	Non-Prod. Zone		Mine		Product
1	CALCIUM		4	11	16	34	10	17	34	10	18	33	33	33	33	33	OMW-1-250	MW-72	BL-8501	9101'	
2	MAGNESIUM		0.1	5.2	12	16	1.6	6.9	16	1.6	4	6	6	6	6	6	OMW-2-250	through	through	9103'	
3	SODIUM		395	515	776	825	332	404	825	313	402	480	480	480	480	480	OMW-3-250	MW-109	BL-8511	9105'	
4	POTASSIUM		4.2	18.9	123	16	8.1	10.4	16	7.7	16	31	31	31	31	31	OMW-4-250			9107'	
5	CARBONATE		0	27	95	5	0	0	5	0	16	49	49	49	49	49	OMW-5-250	MW-115		9109'	
6	BICARBONATE		107	349	472	298	113	232	298	110	188	321	321	321	321	321	OMW-6-250	through		9111'	
7	SULFATE		27	179	517	557	199	351	557	183	364	487	487	487	487	487	OMW-7-250	MW-125		9113'	
8	CHLORIDE		308	459	669	443	214	282	443	216	289	362	362	362	362	362	OMW-8-250			9302'	
9	NITRATE		0	0.02	0.28	3.8	0	0.89	3.8	0.01	0.19	2.1	2.1	2.1	2.1	2.1	OMW-9-250			9304'	
10	FLUORIDE		0.59	1.31	1.8	0.77	0.47	0.59	0.77	0.49	0.6	0.8	0.8	0.8	0.8	0.8				9306'	
11	SILICA		14	17	26	22	15	19	22	17	20	23	23	23	23	23				9308'	
12	TDS(180)		1060	1411	2180	1570	917	1221	1570	904	1188	1440	1440	1440	1440	1440	OMW-12-250			9310'	
13	EC(25C)		1910	2466	3660	2590	1600	2017	2590	1590	1867	2820	2820	2820	2820	2820	OMW-13-250			9312'	
14	ALKALINITY		134	332	482	244	93	191	244	106	164	263	263	263	263	263	OMW-18-250			9314'	
15	PH		7.59	8.67	9.44	8.44	7.3	8.09	8.44	7.89	8.70	9.57	9.57	9.57	9.57	9.57	OMW-20-250			9315'	
16	ARSENIC		<0.0001	0.001	0.01	0.029	<0.0001	0.006	0.029	0.003	0.009	0.025	0.025	0.025	0.025	0.025	OMW-21-250			9802'	
17	CADMIUM		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	OMW-22-250				
18	IRON		<0.01	0.01	0.06	0.13	<0.01	0.02	0.13	<0.01	0.02	0.04	0.04	0.04	0.04	0.04	OMW-24-250				
19	LEAD		<0.0001	0.001	0.007	0.034	<0.0001	0.003	0.034	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	OMW-25-250				
20	MANGANESE		<0.01	0.01	0.01	0.07	<0.01	0.01	0.07	<0.01	0.01	0.01	0.01	0.01	0.01	0.01	OMW-26-250				
21	MERCURY		<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001					
22	MOLYBDENUM		<0.01	0.08	1.3	3.5	<0.01	0.23	3.5	0.02	0.33	3.2	3.2	3.2	3.2	3.2					
23	SELENIUM		<0.001	0.0001	0.002	0.049	<0.001	0.009	0.049	<0.001	0.014	0.063	0.063	0.063	0.063	0.063					
24	URANIUM		0.015	0.023	0.041	0.187	0	0.041	0.187	0.019	0.338	1.54	1.54	1.54	1.54	1.54					
25	AMMONIA		<0.01	0.09	0.38	0.27	<0.01	0.04	0.27	<0.01	0.18	0.4	0.4	0.4	0.4	0.4					
26	RA228		0.1	0.3	0.6	72	0.1	4.6	72	0.3	21.6	51	51	51	51	51					

*LIST THE IDENTIFICATION NUMBERS OF WELLS USED TO OBTAIN THE LOW, AVERAGE AND HIGH VALUES. **MONITOR WELLS
1 sampled for Uranium, Radium 226, Molybdenum and EC only

ATTACHMENT G

BASELINE WATER QUALITY TABLE (Continued)

ROUND WATER ANALYSIS REPORT SUMMARY AND BASELINE WATER QUALITY - In Situ Mining															Company: URI, Inc. Mine Name: Kingsville Dome Mine Area: #3 Date Submitted: 5-20-97			
PARAMETER	UNIT	NON-PRODUCTION ZONE**				MINE AREA**				PRODUCTION ZONE				WELL ID, BY AREA*				
		Low	Average	High	Zone**	Low	Average	High	Low	Average	High	Non-Prod. Zone	Mine	Prod. Zone				
1 CALCIUM	mg/l	4	10	20								OMW-10-400						
2 MAGNESIUM	mg/l	3.1	4.4	6.0								OMW-11-400						
3 SODIUM	mg/l	408	429	458								OMW-14-400						
4 POTASSIUM	mg/l	4.4	6.0	9.1								OMW-15-400						
5 CARBONATE	mg/l	0	0	0								OMW-16-400						
6 BICARBONATE	mg/l	211	328	398								OMW-17-400						
7 SULFATE	mg/l	86	182	363								OMW-19-400						
8 CHLORIDE	mg/l	328	358	386								OMW-23-400						
9 NITRATE	mg/l	0.00	0.01	0.03														
10 FLUORIDE	mg/l	0.77	1.48	1.80														
11 SILICA	mg/l	13	16	20														
12 TDS(180)	mg/l	1080	1168	1320														
13 EC(25C)	uMhos	1920	2037	2230														
14 ALKALINITY	Std. Units	173	269	326														
15 PH	Std. Units	7.56	7.75	8.02														
16 ARSENIC	mg/l	0.000	0.001	0.002														
17 CADMIUM	mg/l	0.0000	0.0000	0.0000														
18 IRON	mg/l	0.01	0.04	0.14														
19 LEAD	mg/l	0.000	0.001	0.003														
20 MANGANESE	mg/l	0.00	0.00	0.01														
21 MERCURY	mg/l	0.0000	0.0000	0.0000														
22 MOLYBDENUM	mg/l	0.00	0.01	0.02														
23 SELENIUM	mg/l	0.000	0.000	0.000														
24 URANIUM	mg/l	0.000	0.014	0.024														
25 AMMONIA	mg/l	0.00	0.07	0.19														
26 RAZ26	pCi/l	0.1	0.3	0.5														

* LIST THE IDENTIFICATION NUMBERS OF WELLS USED TO OBTAIN THE LOW, AVERAGE AND HIGH VALUES. ** MONITOR WELLS

ATTACHMENT G

BASELINE WATER QUALITY TABLE (Continued)

GROUND WATER ANALYSIS REPORT SUMMARY and BASELINE WATER QUALITY - In Situ Mining															Company: URI, Inc. Mine Name: Kingsville Dome Mine Area: #3 Date Sampled: 6-97 Underlying sand				
PARAMETER	UNIT	NON-PRODUCTION ZONE**				MINE AREA **				PRODUCTION ZONE				WELL I.D. BY AREA *					
		Low	Average	High		Low	Average	High		Low	Average	High		Non-Prod. Zone	Mine	Prod. Zone			
1 CALCIUM	mg/l	17	34	41										AA-20					
2 MAGNESIUM	mg/l	0.09	104	16										AA-21					
3 SODIUM	mg/l	503	579	685										AA-22					
4 POTASSIUM	mg/l	8.1	12	19										AA-23					
5 CARBONATE	mg/l	0	0	0										AA-24					
6 BICARBONATE	mg/l	98	165	187										AA-25					
7 SULFATE	mg/l	615	659	768										AA-26					
8 CHLORIDE	mg/l	361	416	533										AA-27					
9 NITRATE	mg/l	0.00	0.01	0.04										AA-28					
10 FLUORIDE	mg/l	0.43	0.54	.074										AA-29					
11 SILICA	mg/l	2	19	59										AA-30					
12 TDS (180°)	mg/l	1650	1801	2140															
13 EC (25° C)	µMhos	2660	2856	3420															
14 ALKALINITY	Std. Units	80	135	153															
15 pH	Std. Units	7.61	8.07	8.24															
16 ARSENIC	mg/l	0.000	0.003	0.011															
17 CADMIUM	mg/l	0.0000	0.0000	0.0003															
18 IRON	mg/l	0.00	0.03	0.20															
19 LEAD	mg/l	0.000	0.000	0.001															
20 MANGANESE	mg/l	0.00	0.00	0.02															
21 MERCURY	mg/l	0.0000	0.0000	0.0000															
22 MOLYBDENUM	mg/l	0.02	0.04	0.06															
23 SELENIUM	mg/l	0.000	0.001	0.005															
24 URANIUM	mg/l	0.014	0.056	0.211															
25 AMMONIA	mg/l	0.00	0.07	0.2															
26 RADIUM 226	pCi/l	0.10	0.39	0.9															

* LIST THE IDENTIFICATION NUMBERS OF WELLS USED TO OBTAIN THE LOW, AVERAGE AND HIGH VALUES.

** MONITOR WELLS

* LIST THE IDENTIFICATION NUMBERS OF WELLS USED TO OBTAIN THE LOW, AVERAGE AND HIGH VALUES. ** MONITOR WELLS