APPENDIX E

Facility Permit Limits and Related Data

Existing Facility Permit Limits

Table 7 (cont'd)
NPDES Discharge Criteria

Parameter	Effluent Limitations							Monitoring Requirements	
	Load			*Concentration*					
	Daily Average	*Daily Maximum*	*Units*	*Daily Average*	*Maximum Daily*	*Maximum Instantaneous*	*Units*	*Measurement Frequency*	*Sample Type*
Organics - Base/Neutral Extractable									
Hexachlorobenzene	1.112	4.506	lb/day	196	794		ug/L	Once per week	Composite
Nitrobenzene	12.695	36.330	lb/day	2237	6402		ug/L	Once per week	Composite
1,2,4 - Trichlorobenzene	1.112	4.506	lb/day	196	794		ug/L	Once per week	Composite
Organics - Purgeable									
Benzene	0.323	0.760	lb/day	57		134	ug/L	Once per week	Grab
Chlorobenzene	0.806	2.156	lb/day	142		380	ug/L	Once per week	Grab
1,2 - Dichlorobenzene	1.112	4.506	lb/day	196		794	ug/L	Once per week	Grab
1,3 - Dichlorobenzene	0.806	2.156	lb/day	142		380	ug/L	Once per week	Grab
1,4 - Dichlorobenzene	0.806	2.156	lb/day	142		380	ug/L	Once per week	Grab
Organics - Acid Extractable									
4,6 - Dinitro-o-cresol	0.443	1.572	lb/day	78	277		ug/L	Once per year	Composite
2 - Nitrophenol	0.369	1.311	lb/day	65	231		ug/L	Once per year	Composite
4 - Nitrophenol	0.919	3.269	lb/day	162	576		ug/L	Once per year	Composite
Organics - Base/Neutral Extractable									
2,4 - Dinitrophenol	6.849	24.351	lb/day	1207	4291		ug/L	Once per year	Composite
Hexachlorobutadiene	0.806	2.156	lb/day	142	380		ug/L	Once per year	Composite
Hexachloroethane	1.112	4.506	lb/day	196	794		ug/L	Once per year	Composite
Organics - Purgeable									
Carbon Tetrachloride	0.806	2.156	lb/day	142		380	ug/L	Once per year	Grab
Chloroethane	0.624	1.674	lb/day	110		295	ug/L	Once per year	Grab
Chloroform	0.630	1.844	lb/day	111		325	ug/L	Once per year	Grab
1,1 - Dichloroethane	0.125	0.335	lb/day	22		59	ug/L	Once per year	Grab
1,2 - Dichloroethane	1.021	3.257	lb/day	180		574	ug/L	Once per year	Grab
1,1 - Dichloroethylene	0.125	0.340	lb/day	22		60	ug/L	Once per year	Grab
1,2 - trans-Dichloroethylene	0.142	0.375	lb/day	25		66	ug/L	Once per year	Grab
1,2 - Dichloropropane	1.112	4.506	lb/day	196		794	ug/L	Once per year	Grab
1,3 - Dichloropropene	1.112	4.506	lb/day	196		794	ug/L	Once per year	Grab
Ethylbenzene	0.806	2.156	lb/day	142		380	ug/L	Once per year	Grab
Methyl Chloride	0.624	1.674	lb/day	110		295	ug/L	Once per year	Grab
Methylene Chloride	0.204	0.965	lb/day	36		170	ug/L	Once per year	Grab

Table 7-1 (cont'd)
NPDES Discharge Criteria

Parameter	Effluent Limitations							Monitoring Requirements	
	Load			*Concentration*					
	Daily Average	*Daily Maximum*	*Units*	*Daily Average*	*Maximum Daily*	*Maximum Instantaneous*	*Units*	*Measurement Frequency*	*Sample Type*
Tetrachloroethylene	0.295	0.931	lb/day	52		164	ug/L	Once per year	Grab
Toluene	0.159	0.420	lb/day	28		74	ug/L	Once per year	Grab
1,1,1 - Trichloroethane	0.125	0.335	lb/day	22		59	ug/L	Once per year	Grab
1,1,2 - Trichloroethane	0.182	0.721	lb/day	32		127	ug/L	Once per year	Grab
Trichloroethylene	0.148	0.392	lb/day	26		69	ug/L	Once per year	Grab
Vinyl Chloride	0.550	0.976	lb/day	97		172	ug/L	Once per year	Grab

Table 7-1
NPDES Discharge Criteria

Parameter	Effluent Limitations						Monitoring Requirements	
	Load			*Concentration*				
	Daily Average	*Daily Maximum*	*Units*	*Daily Average*	*Maximum Daily*	*Units*	*Measurement Frequency*	*Sample Type*
Flow	0.68		mgd				Continuous	Record/Totalize
BOD_5	79	125	lb/day	14.0	22	mg/L	Once per week	Composite
Fecal Coliform				200		col/100ml	Once per week	Grab
Total Suspended Solids	170	255	lb/day	30	45	mg/L	Once per week	Composite
Hardness (as $CaCO_3$)						mg/L	Once per month	Composite
pH	The pH shall be between 6.0 S.U. and 9.0 S.U. for at least 99% of the time during any calendar month. The total excursion time (T.E.T.) allowed for any calendar month is 446 minutes. No individual excursion time (I.E.T.) shall exceed 60 minutes. The permittee shall report the total time of pH excursions and the longest time of an individual excursion during each calendar month in the Discharge Monitoring Report (DMR).					S.U.	Continuous	Recording
Biomonitoring	LC_{50} greater than or equal to 100%						Once per year	Composite
General	The discharge shall be free from floating solids, sludge deposits, debris, oil and scum							
Metals								
Zinc (Total)	0.36	0.54	lb/day	64	95	ug/L	Once per month	Composite
Chromium (Total)	0.85	1.3	lb/day	150	230	ug/L	Once per week	Composite
Copper (Total) - Interim Limits, apply until the 37th month after permit effective date	1.70	2.55	lb/day	300	450	ug/L	Once per week	Composite
Copper (Total) - Final Limits, beginning at the 37th month after permit effective date	0.0068	0.016	lb/day	1.2	2.9	ug/L	Once per week	Composite
Iron (Total)	11.3	17.0	lb/day	2.0	3.0	mg/L	Once per week	Composite
Lead (Total)	0.85	1.3	lb/day	150	230	ug/L	Once per week	Composite

Table 7-2
Boiler No. 3 Air Emission Discharge Limits

Parameter	Discharge Criteria
Visible Emissions	Not to exceed either a #1 of the Ringelmann smoke Chart or 20 percent opacity for an aggregate of more than 3 minutes in any 1 hour period, or more than 15 minutes in any 24-hour period
Sulfur Dioxide	33.47 lbs/hr
Hydrogen Chloride	8.6 lbs/hr
Benzene	0.14 lbs/hr
Monochlorobenzene	0.11 lbs/hr
1,2 - Dichlorobenzene	0.05 lbs/hr
1,4 - Dichlorobenzene	0.03 lbs/hr
Trichlorobenzene	0.02 lbs/hr
NOx	<0.25 lbs/mmbtu
Excess Oxygen	<6% at boiler stack

Oxychem Property Groundwater Data

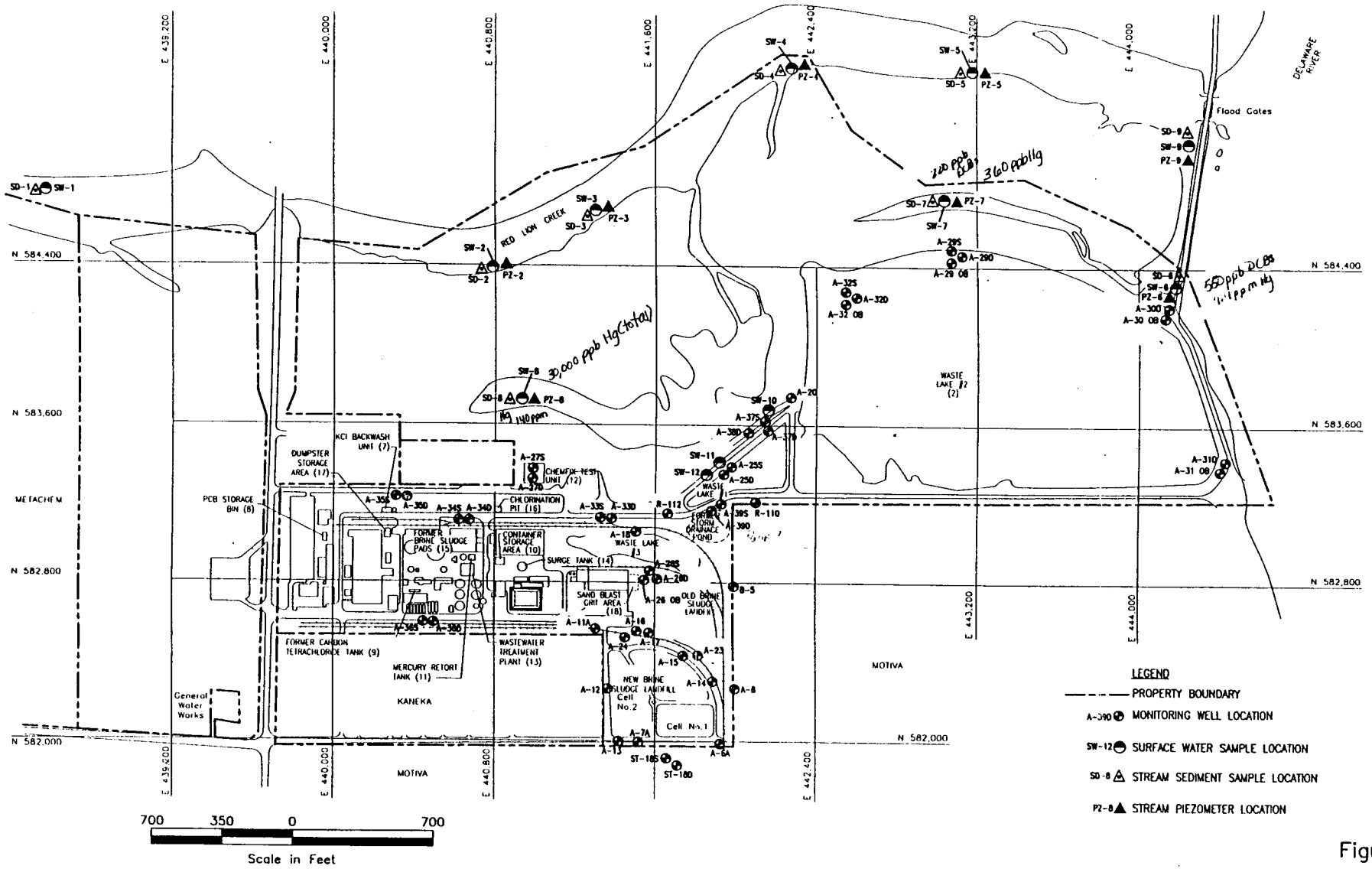

Figure 2–6
SAMPLING LOCATIONS
PHASE II RFI
Occidental Chemical Corporation
Delaware City, Delaware

TAP -5
SUMMARY OF DE TED CHEMICALS
FOR PHASE II GROUNDWATER SAMPLES

		WASTE LAKE 1									
Sample Location:		A-20	A-25D	A-25S	A-37D	A-37S	A-38D	A-39D	A-39D	A-39S	R-110
Sample Date:		12/3/1998	12/3/1998	12/3/1998	12/4/1998	12/4/1998	12/4/1998	12/4/1998	12/4/1998 Dupl.	12/4/1998	12/4/1998
rameter	Units										
L Volatiles											
nyl chloride	ug/L	ND 10	ND 10	ND 25000	11 K	ND 25000	ND 10	ND 10	ND 10	130	130
ethylene chloride	ug/L	ND 10	5 J	4 K	ND 10	4 B	2 B	ND 10	ND 10	ND 10	ND 10
etone	ug/L	ND 10	ND 10	ND 10	ND 10 J J	9 J	ND 10	ND 10 J	ND 10 J	ND 10	6 J
-Dichloroethene	ug/L	ND 10	ND 10	ND 10	ND 10	38 J	ND 10	ND 10	ND 10	ND 10	ND 10
-Dichloroethane	ug/L	ND 10	ND 8 J	ND 10	ND 10	ND 10	ND 10	18	14	ND 10	ND 10
-Dichloroethene (total)	ug/L	ND 10	ND 10	ND 10	ND 10	10 J	ND 10	ND 10	ND 10	ND 10	ND 10
Butanone (MEK)	ug/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	8 J
loroform	ug/L	ND 10	ND 10	7 K	ND 10	53 J	ND 10	ND 10	ND 10	ND 10	20
-Dichloroethane	ug/L	ND 10	ND 10	ND 10	18 K	31 J	ND 10	ND 10	ND 10	12	ND 10
rbon tetrachloride	ug/L	ND 10	ND 10	ND 10	ND 10	34 J	ND 10	ND 10	ND 10	ND 10	ND 10
omodichloromethane	ug/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
ichloroethene	ug/L	ND 10	ND 10	8 K	ND 10	12 J	ND 10	ND 10	ND 10	ND 10	ND 10
nzene	ug/L	9 J	27	55000	1100	78000	160 K	4 J	ND 10	430	96
trachloroethene	ug/L	ND 10	ND 10	ND 25000	ND 10	ND 25000	1 K	ND 10	ND 10	ND 10	2 J
luene	ug/L	ND 10	ND 10	ND 25000	ND 10	ND 25000	ND 10	ND 10	ND 10	ND 10	2 J
lorobenzene	ug/L	150	210	110000	4300	280000	840 K	160 J	98 J	510	180
L Semi-volatiles											
enol	ug/L	ND 10	ND 10	19 J	32	ND 500	ND 10	ND 10	ND 10	5 J	1 J
Chlorophenol	ug/L	ND 10	ND 10	11 J	51	ND 500	ND 10	ND 10	ND 10	3 J	3 J
3-Dichlorobenzene	ug/L	4 J	170 J	540 J	75	820	8 J	6 J	6 J	7 J	8 J
4-Dichlorobenzene	ug/L	42	2500	9900	1100	15000	27	62	70	44	120
2-Dichlorobenzene	ug/L	36	2000	6500	650	9400	ND 10	44	52	13 B	100
4-Dichlorophenol	ug/L	ND 10	ND 10	ND 50	2 J	ND 500	ND 10	ND 10	ND 10	ND 10	1 J
2,4-Trichlorobenzene	ug/L	22	150 J	130	42	130 J	11	8 J	9 J	ND 10	5 J
aphthalene	ug/L	ND 10	ND 10	ND 50	5 J	ND 500	ND 10	ND 10	ND 10	ND 10	1 J
4,6-Trichlorophenol	ug/L	ND 10	ND 10	ND 50	ND 10	ND 500	ND 10	ND 10	1 J	ND 10	2 J
ntachlorophenol	ug/L	ND 25	ND 25	ND 120	ND 25	ND 1200	ND 25	ND 25	ND 25	ND 25	2 J
s(2-ethylhexyl)phthalate	ug/L	ND 10	ND 10	ND 50	ND 10	ND 500	ND 10	ND 10	ND 10	1 B	2 B
exachlorobenzene	ug/L	ND 0.025	0.058	ND 0.025	ND 0.025	ND 0.025 J	ND 0.025	0.025	ND 0.025	ND 0.025	ND 0.025

TAB[illegible]-5
SUMMARY OF DE[illegible]TED CHEMICALS
FOR PHASE II GROUNDWATER SAMPLES

		WASTE LAKE 1									
Sample Location:		A-20	A-25D	A-25S	A-37D	A-37S	A-38D	A-39D	A-39D	A-39S	R-110
Sample Date:		12/3/1998	12/3/1998	12/3/1998	12/4/1998	12/4/1998	12/4/1998	12/4/1998	12/4/1998 Dupl.	12/4/1998	12/4/1998
Parameter	Units										
TAL Metals											
Aluminum	ug/L	28 B	3700	100 B	3600	430	18 B	330 B	380 B	59 B	1500
Aluminum, dissolved	ug/L	ND 18	26 B	ND 19	ND 19	200 B	30 B	58 B	44 B	ND 19	1000 B
Antimony	ug/L	ND 3.1	ND 2.9	ND 2.9	ND 2.9	ND 2.9	ND 2.9	ND 2.9	ND 2.9	ND 2.9	ND 2.9
Antimony, dissolved	ug/L	5.2	ND 3	ND 3	ND 3	ND 3	ND 3	ND 3	ND 3	ND 3	ND 3
Arsenic	ug/L	11 L	6.4 K	6.4 K	10 K	6.1 K	4.4 K	4.3 K	5.4 K	2.8 K	1000
Arsenic, dissolved	ug/L	12	2.8 B	6.4 B	5.8 B	6.6 B	4.7 B	6.2 B	3.6 B	2 B	930
Barium	ug/L	380	37	24	290	29	71	24	24	25	13
Barium, dissolved	ug/L	370	27	24	290	28	72	23	24	24	1.5 B
Beryllium	ug/L	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	0.3
Beryllium, dissolved	ug/L	ND 0.2	ND 0.21	ND 0.21	ND 0.21	ND 0.21	ND 0.21	ND 0.21	ND 0.21	ND 0.21	0.23
Cadmium	ug/L	ND 0.3	3.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2	8.2	8.2	0.23	ND 0.2
Cadmium, dissolved	ug/L	ND 0.2	3.3	ND 0.21	ND 0.21	ND 0.21	ND 0.21	8.2	8.6	ND 0.21	ND 0.21
Calcium	ug/L	40000	130000 J	41000 J	58000 J	37000 J	18000 J	150000 J	160000 J	23000 J	22000 J
Calcium, dissolved	ug/L	41000	130000 J	41000 J	58000 J	36000 J	19000 J	150000 J	160000 J	23000 J	32000 J
Chromium	ug/L	ND 0.6	120	2	18	0.97 B	ND 0.7	30	32	1.6 B	5.2 B
Chromium, dissolved	ug/L	ND 0.7	6.9	1.4 B	1 B	1.3 B	0.72 B	6.4 B	7.2 B	1.7 B	1.8 B
Cobalt	ug/L	ND 2	1100	14	18	ND 1.9	ND 1.9	690	690	7.4	ND 1.9
Cobalt, dissolved	ug/L	ND 1.9	1100	13	12	2.2	ND 1.9	670	720	6.6	ND 1.9
Copper	ug/L	ND 1.5	4.8	ND 1	9.9	4.4	ND 1	3.4	3.5	ND 1	23
Copper, dissolved	ug/L	ND 1	ND 1	ND 1	ND 1	3.8	ND 1	1.2	1.6	ND 1	1.2
Iron	ug/L	75000	7300	12000	57000	520	9100	48000	49000	590	700
Iron, dissolved	ug/L	65000	1900 J	12000 J	51000 J	12 B	9200 J	48000 J	49000 J	410 B	270 B
Lead	ug/L	4.2	8.4	2.4 K	4.8 B	1.5 B	1.5	8 B	7.4	1.6 B	6.5 B
Lead, dissolved	ug/L	ND 1	7.2	1.8 B	ND 1	1.3 B	ND 1	7.6 B	7.1	ND 1	ND 1
Magnesium	ug/L	14000	120000 J	24000 J	26000 J	78000 J	5300 J	160000 J	160000 J	21000 J	12000 J
Magnesium, dissolved	ug/L	14000	120000 J	24000 J	25000 J	76000 J	5600 J	160000 J	160000	20000 J	17000 J
Manganese	ug/L	550	69000 J	8800 J	1700 J	66 J	220 J	68000 J	67000 J	7900 J	80 J
Manganese, dissolved	ug/L	540	70000 J	8700 J	1300 J	68 J	220 J	53000 J	70000 J	7500 J	21 B
Mercury	ug/L	ND 0.1	19	1.4	0.29	110	1.1	6.3	6.2	1.2	57
Mercury, dissolved	ug/L	0.14	7.7 L	0.18 L	ND 0.1 L	0.98 L	1 L	3.5 L	3.8 L	0.6 B	2.5 L
Nickel	ug/L	ND 2.8	240	2.5	18	4.4 B	ND 1.5	300	310	ND 1.5	8.8 B
Nickel, dissolved	ug/L	ND 1.5	150	ND 1.5	12 B	5.1 B	1.7 B	280	300	ND 1.5	3.6 B

TAB -5
SUMMARY OF DET ED CHEMICALS
FOR PHASE II GROUNDWATER SAMPLES

		WASTE LAKE 1									
Sample Location:		A-20	A-25D	A-25S	A-37D	A-37S	A-38D	A-39D	A-39D	A-39S	R-110
Sample Date:		12/3/1998	12/3/1998	12/3/1998	12/4/1998	12/4/1998	12/4/1998	12/4/1998	12/4/1998 Dupl.	12/4/1998	12/4/1998
rameter	Units										
L Metals											
tassium	ug/L	4300	36000	40000	8800	180000	9300	42000	41000	38000	46000
tassium, dissolved	ug/L	4600	39000	42000	7700	200000	9500	44000	45000	35000	44000
lenium	ug/L	2.3 B	24	ND 2.4	4	ND 2.4	ND 2.4	25	25	ND 2.4	7.2
lenium, dissolved	ug/L	ND 2.4	24	3.9 3.9	2.7	ND 2.5	ND 2.4	24	26	ND 2.5	4.7
lver	ug/L	4.2	ND 0.6	ND 0.6	ND 0.6	ND 0.6	ND 0.6	ND 0.6	ND 0.6	ND 0.6	ND 0.6
ver, dissolved	ug/L	ND 0.60	ND 0.61	ND 0.61	ND 0.61	ND 0.61	ND 0.61	ND 0.61	ND 0.61	ND 0.61	ND 0.61
dium	ug/L	21000	480000	500000	150000	1200000	11000	940000	970000	120000	1900000
dium, dissolved	ug/L	22000	590000	590000	150000	1500000	11000	1100000	1000000	120000	2300000
allium	ug/L	ND 1.8	77	14 B	7.2 K	5.6 K	3.6 K	75	79	11 K	ND 19
allium, dissolved	ug/L	4.2	76	18 B	5.3 B	6.6 B	5.3 B	79	79	11 B	ND 1.9
nadium	ug/L	ND 1.8	7.6	ND 2.1	33	9.1	ND 2.1	ND 2.1	ND 2.1	ND 2.1	1800
nadium, dissolved	ug/L	ND 2.1	ND 2.1	ND 2.1	ND 2.1	9.5	ND 2.1	ND 2.1	ND 2.1	ND 2.1	1400
nc	ug/L	19 B	48 B	5 B	39 L	73	10 B	390	410	12 B	23 B
nc, dissolved	ug/L	13	37 B	5.7 B	22 B	56 B	12 B	390 J	420 J	10 B	5.4 B
eneral Chemistry											
loride	mg/L	150	430	910	440	1500 1500	2.3	590	510	150	2000
dfate	mg/L	ND 1	1700	320	32	970 970	22	5100	3000	120	790
tal suspended solids	mg/L	7.6	50	12	120	4.8 4.8	ND 4	8.8	11	ND 4	26

TAB' 5
SUMMARY OF DE1 ED CHEMICALS
FOR PHASE II GROUNDWATER SAMPLES

		WASTE LAKE 2											
Sample Location:		A-29D	A-29OB	A-29S	A-29S	A-30D	A-30OB	A-31D	A-31OB	A-32D	A-32OB	A-32S	A-32S
Sample Date:		12/2/1998	12/2/1998	12/2/1998	12/2/1998 Dupl.	12/3/1998	12/2/1998	12/3/1998	12/3/1998	12/3/1998	12/3/1998	12/3/1998	12/3/1998 Dupl.
Parameter	Units												
TCL Volatiles													
Acetone	ug/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	3 J	ND 10	ND 10	ND 10	29 J
2-Butanone (MEK)	ug/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	10 J	9 J
Benzene	ug/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	9 J	ND 10	ND 10
Chlorobenzene	ug/L	ND 3	ND 3	ND 3	ND 3	3	ND 3	ND 3	29	ND 3	34	ND 3	ND 3
TCL Semi-volatiles													
Phenol	ug/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	12
1,4-Dichlorobenzene	ug/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	1 B	ND 10	ND 10	ND 10	ND 10
4-Methylphenol	ug/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	2 J	4 J
Butylbenzylphthalate	ug/L	ND 10	2 B	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10
Bis(2-ethylhexyl)phthala	ug/L	2 B	2 B	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	2 B	ND 10
TAL Metals													
Aluminum	ug/L	190	250	280	320	ND 54	400	340	11000	18000	530	8900	13000
Aluminum, dissolved	ug/L	ND 54	ND 54	ND 54	ND 54	ND 18	27 B	19 B	9900	18 B	29 B	49 B	81 B
Antimony, dissolved	ug/L	ND 3.1	ND 3.1	ND 31	ND 31	13	ND 2.9	ND 2.9	ND 2.9	4.1	ND 2.9	ND 2.9	3.3
Arsenic	ug/L	ND 1.4 L	ND 1.4 L	ND 14 L	ND 14 L	ND 1.4	9 L	ND 1.4	ND 1.4 L	3.6	18 L	10 L	9 L
Arsenic, dissolved	ug/L	ND 1.4	ND 1.4	ND 14	ND 14	4.1	9.3	3.1	4.4	1.7	21	5.5	6
Barium	ug/L	120	120	540	560	980	320	120	31	140	410	150	160
Barium, dissolved	ug/L	78	110	500	500	900	300	110	49	62	390	140	130
Beryllium	ug/L	ND 0.2	ND 0.2	ND 2	ND 2	0.33	0.27	ND 0.2	1.4 L	1 B	0.34 B	0.75 B	0.7 B
Beryllium, dissolved	ug/L	ND 0.2	ND 0.2	ND 2	ND 2	ND 0.2	ND 0.2	ND 0.2	1.1	ND 0.2	ND 0.2	ND 0.2	ND 0.2
Calcium	ug/L	70000	150000	160000	150000	380000	63000	21000	58000	56000	94000	55000	57000
Calcium, dissolved	ug/L	65000	170000	150000	150000	370000	67000	20000	58000	59000	93000	59000	60000
Chromium	ug/L	ND 0.6	12	ND 6	ND 6	ND 0.6	1.5	2.4	2.4	40	17	100	88
Chromium, dissolved	ug/L	ND 0.6	2.8	18	18	ND 0.7	1.4	ND 0.7	2.1	2.2	8.2	8.1	9.6
Cobalt	ug/L	ND 2	65	350	330	ND ND 2.0	5.5	ND 2	20	5.6	11	22	18
Cobalt, dissolved	ug/L	3.2	62	300	320	ND 1.9	5.2	ND 1.9	21	ND 1.9	8	18 J	34 J
Copper	ug/L	4.1 B	4.7 B	ND 15	ND 15	ND 1.5	3.4 B	ND 1.5	3.1	10	9	15	18
Copper, dissolved	ug/L	1.6	8.3	ND 15	ND 15	7.7	24	ND 1	3.9	ND 1	ND 1	ND 1	ND 1
Iron	ug/L	17000	150000	160000	160000	360000	3500	18000	70000	39000	42000	31000	29000
Iron, dissolved	ug/L	13000	140000	150000	150000	310000	300	15000	67000	16000	38000	22000	22000
Lead	ug/L	2.6	9.6	24	21	ND 9	2.1 B	3.3	8.8	7.7	4.6	12	14
Lead, dissolved	ug/L	ND 0.9 L	6.5	18	20	ND 1	1.6 K	ND 1	6.6	ND 1	ND 1	ND 1	ND 1
Magnesium	ug/L	110000	140000	180000	180000	190000	150000	7500	91000	100000	180000	95000	93000
Magnesium, dissolved	ug/L	99000	130000	160000	170000	190000	150000	7400	100000	110000	190000	110000	120000
Manganese	ug/L	6	34000	150000	160000	2100	1400	260	6900	2400	1400	1300	1300
Manganese, dissolved	ug/L	1500	33000	140000	140000	2000	1500	250	7100	2400	1400	1600	1600
Mercury	ug/L	0.1	0.39	ND 0.1 J	0.88 J	0.47	0.45	ND 0.1	ND 0.1	0.23	0.44	0.75 J	1.1 J
Mercury, dissolved	ug/L	ND 0.1	ND 0.1	ND 0.1 J	1 J	0.54	0.44	ND 0.1	0.14	ND 0.1	0.28	ND 0.1	ND 0.1

TAB 5
SUMMARY OF DET. ED CHEMICALS
FOR PHASE II GROUNDWATER SAMPLES

		WASTE LAKE 2											
Sample Location:		A-29D	A-29OB	A-29S	A-29S	A-30D	A-30OB	A-31D	A-31OB	A-32D	A-32OB	A-32S	A-32S
Sample Date:		12/2/1998	12/2/1998	12/2/1998	12/2/1998 Dupl.	12/3/1998	12/2/1998	12/3/1998	12/3/1998	12/3/1998	12/3/1998	12/3/1998	12/3/1998 Dupl.
Parameter	Units												
TAL Metals													
Nickel	ug/L	ND 2.8	48	79	ND 28	ND 2.8	4.3	ND 2.8	14	19	8.6	140 J	93 J
Nickel, dissolved	ug/L	ND 2.8	13	70	58	ND 1.5	10	ND 1.5	23	1.8	5.6	19 J	50 J
Potassium	ug/L	47000	24000	7400	7800	35000	210000	27000	54000	51000	180000	100000	110000
Potassium, dissolved	ug/L	44000	22000	6600	6800	35000	240000	24000	49000	51000	170000	98000	98000
Selenium	ug/L	ND 2 L	ND 2 L	69	62	34	6.6 B	4.5 B	3 B	7.1 B	4.3 B	3.7 B	6.1 B
Selenium, dissolved	ug/L	2	11	49 K	58	ND 2.4	ND 2.4	ND 2.4	ND 2.4	ND 2.4	ND 2.4	ND 2.4	ND 2.4
Silver	ug/L	ND 0.6	ND 0.6	34	30	7.1	1.3	ND 0.6	4.7	1.8	2	1.8	1.6
Silver, dissolved	ug/L	0.64 B	6.2	22	31	ND 0.6	ND 0.6	ND 0.6	ND 0.6	ND 0.6	ND 0.6	ND 0.6	ND 0.6
Sodium	ug/L	510000 J	580000 J	510000 J	520000 J	510000	4E+06	28000	2E+06	210000	2E+06	440000	480000
Sodium, dissolved	ug/L	530000	560000	510000	520000	480000	3E+06	29000	2E+06	230000	2E+06	440000	430000
Thallium, dissolved	ug/L	ND 1.4	ND 1.4	41 J	31 J	5.3	5.2	ND 1.9	14	4.0 B B	5.6 B	4.4 B	3.7 B
Vanadium	ug/L	4	ND 1.8	ND 18	ND 18	ND 1.8	2.8	3.8	ND 1.8	34	6.1	43	41
Vanadium, dissolved	ug/L	ND 1.8	ND 1.8	ND 18	ND 18	6.1	ND 2.1	ND 2.1	ND 2.1	ND 2.1	5.9	6.6	6.8
Zinc	ug/L	39	10 B	59	71	56	660	42 B B	260	94	22 B	99	110
Zinc, dissolved	ug/L	40	9.1 B	97	79	2.9 B	460	24	259	25	21	28	36
General Chemistry													
Chloride	mg/L	690	1300	2000	1800	2600	5600	59	3300	370	2900	470	600
Sulfate	mg/L	34	280	18	14	90	140	ND 1	909	5.8	39	88	60
Total suspended solids	mg/L	67	210	130	160	14	12	ND 4	10	1600	99	280	210

TAB 5
SUMMARY OF DET . .ED CHEMICALS
FOR PHASE II GROUNDWATER SAMPLES

		WASTE LAKE 3			
	Sample Location:	A-18	A-33D	A-33S	R-112
	Sample Date:	12/3/98	12/3/98	12/3/98	12/4/98
Parameter	Units				
TCL Volatiles					
Vinyl chloride	ug/L	ND 10	ND 10	ND 10	11
Methylene chloride	ug/L	ND 10	4 J	4 J	3 B
Benzene	ug/L	ND 10	ND 10	ND 10	1 J
TCL Semi-volatiles					
Naphthalene	ug/L	ND 10	ND 10	ND 10	2 J
2,4,6-Trichlorophenol	ug/L	ND 10	ND 10	ND 10	5 J
Bis(2-ethylhexyl)phthalate	ug/L	ND 10	ND 10	2 B	ND 10
TAL Metals					
Aluminum	ug/L	44 B	430	ND 18	ND 18
Aluminum, dissolved	ug/L	ND 18	20 B	ND 19 K	ND 19
Arsenic	ug/L	ND 1.4	3.8 K	2.6 K	6.5
Arsenic, dissolved	ug/L	3.5	2.9 B	5.7 B	5.8 B
Barium	ug/L	19	31	300	20
Barium, dissolved	ug/L	19	30	290	21
Cadmium	ug/L	ND 0.3	0.4	ND 0.2	0.53
Cadmium, dissolved	ug/L	0.42	0.43	ND 0.21	0.71 B
Calcium	ug/L	110000	85000 J	80000 J	57000 J
Calcium, dissolved	ug/L	110000	85000 J	80000 J	58000 J
Chromium	ug/L	1.2	1.2	ND 0.7	ND 0.7
Chromium, dissolved	ug/L	1.5	0.81 B	0.85 B	0.98 B
Cobalt	ug/L	ND 2	6.3	9.9	7.9
Cobalt, dissolved	ug/L	ND 1.9	6.1	9.7	8.1
Iron	ug/L	70	900	33000	220 B
Iron, dissolved	ug/L	21	19 B	32000 J	360 B
Lead	ug/L	1.1	1.4 K	1.5 K	1 B
Lead, dissolved	ug/L	1 K	ND 1	ND 1	1.1 B
Magnesium	ug/L	88000	120000 J	69000 J	45000 J
Magnesium, dissolved	ug/L	94000	120000 J	69000 J	44000 J
Manganese	ug/L	97	210 J	3200 J	2000 J
Manganese, dissolved	ug/L	96	190 J	3100 J	2000 J
Mercury	ug/L	0.37	ND 0.1	ND 0.1	ND 0.1
Mercury, dissolved	ug/L	0.12	0.23 L	0.2 L	0.37 B
Nickel	ug/L	9.9	13	13	20
Nickel, dissolved	ug/L	12	12	13	20 B

TAB -5
SUMMARY OF DET..ED CHEMICALS
FOR PHASE II GROUNDWATER SAMPLES

		WASTE LAKE 3			
	Sample Location:	A-18	A-33D	A-33S	R-112
	Sample Date:	12/3/98	12/3/98	12/3/98	12/4/98
Parameter	**Units**				
TAL Metals					
Potassium	ug/L	25000	44000	21000	68000
Potassium, dissolved	ug/L	25000	45000	22000	74000
Selenium	ug/L	9.4 B	ND 2.4	4.3	ND 2.4
Selenium, dissolved	ug/L	5.7	ND 2.5	4.6	ND 2.5
Sodium	ug/L	440000	730000	350000	1300000
Sodium, dissolved	ug/L	440000	770000	360000	1600000
Thallium	ug/L	ND 1.8	7.9 B	8.7 B	10 K
Thallium, dissolved	ug/L	3 B	6.2 B	10 B	7.3 B
Zinc	ug/L	78	64	55 B	150
Zinc, dissolved	ug/L	85	61 B	52	160 B
General Chemistry					
Chloride	mg/L	1200	1700	870	2200
Sulfate	mg/L	470	400	270	770
Total suspended solids	mg/L	ND 4	25	4.8	ND 4

TAB -5
SUMMARY OF DET..TED CHEMICALS FOR PHASE II GROUNDWATER SAMPLES

		CHEMFIX TEST UNIT			
	Sample Location:	A-27D		A-27S	
	Sample Date:	12/3/98		12/3/98	
Parameter	**Units**				
TCL Volatiles					
Chloroform	ug/L	25		9	J
Carbon tetrachloride	ug/L	41		97	
Bromodichloromethane	ug/L	7	J	ND 10	
Dibromochloromethane	ug/L	9	J	ND 10	
Bromoform	ug/L	17		ND 10	
Tetrachloroethene	ug/L	20		3	J
TCL Semi-volatiles					
1,2-Dichlorobenzene	ug/L	ND 10		2	B
1,2,4-Trichlorobenzene	ug/L	ND 10		1	J
TAL Metals					
Aluminum	ug/L	53	B	200	
Aluminum, dissolved	ug/L	ND 54		29	B
Arsenic	ug/L	1.4	L	3.2	L
Arsenic, dissolved	ug/L	ND 1.4		7.5	
Barium	ug/L	110		38	
Barium, dissolved	ug/L	110		36	
Calcium	ug/L	43000		6500	
Calcium, dissolved	ug/L	43000		6200	
Chromium	ug/L	16		15	
Chromium, dissolved	ug/L	17		14	
Copper	ug/L	5	B	ND 1.5	
Copper, dissolved	ug/L	3.9		ND 1	
Iron	ug/L	110		340	
Iron, dissolved	ug/L	34	B	7.5	
Lead	ug/L	ND 0.9		0.97	
Lead, dissolved	ug/L	ND 0.9	L	ND 1	
Magnesium	ug/L	23000		3200	
Magnesium, dissolved	ug/L	24000		3300	
Manganese	ug/L	52		160	
Manganese, dissolved	ug/L	43		140	

TAB 5
SUMMARY OF DET..ED CHEMICALS
FOR PHASE II GROUNDWATER SAMPLES

		CHEMFIX TEST UNIT	
	Sample Location:	A-27D	A-27S
	Sample Date:	12/3/98	12/3/98
Parameter	Units		
TAL Metals			
Mercury	ug/L	24	4.5
Mercury, dissolved	ug/L	1.1	26
Potassium	ug/L	62000	150000
Potassium, dissolved	ug/L	62000	150000
Selenium	ug/L	ND 2 L	6.4 B
Selenium, dissolved	ug/L	3.6	2.4
Silver	ug/L	ND 0.6	ND 0.6
Silver, dissolved	ug/L	0.94	0.97
Sodium	ug/L	1400000 J	490000
Sodium, dissolved	ug/L	1300000	470000
Thallium	ug/L	2.2 B	3.2
Thallium, dissolved	ug/L	ND 1.5	5
Vanadium	ug/L	ND 1.8	13
Vanadium, dissolved	ug/L	ND 1.8	12
Zinc	ug/L	45 B	35 B
Zinc, dissolved	ug/L	37 B	35
General Chemistry			
Chloride	mg/L	2500	880
Sulfate	mg/L	240	88
Total suspended solids	mg/L	12	ND 4

TAB 5
SUMMARY OF DETECTED CHEMICALS
FOR PHASE II GROUNDWATER SAMPLES

		PROCESS AREA					
Sample Location:		A-34D	A-34S	A-35D	A-35S	A-36D	A-36S
Sample Date:		12/2/98	12/2/98	12/2/98	12/2/98	12/3/98	12/3/98
Parameter	Units						
TCL Volatiles							
Methylene chloride	ug/L	ND 10	ND 10	ND 10	2 B	ND 10	ND 10
1,2-Dichloroethene (total)	ug/L	ND 10	ND 10	ND 10	8 J	ND 10	ND 10
Chloroform	ug/L	7 J	9 J	ND 10	9 J	ND 10	14
Carbon tetrachloride	ug/L	70	330	ND 10	ND 10	ND 10	ND 10
Trichloroethene	ug/L	ND 10	ND 10	3 J	30 J	ND 10	ND 10
Tetrachloroethene	ug/L	10	18	5 J	56 J	ND 10	38
Chlorobenzene	ug/L	4	ND 3	ND 3	ND 3	ND 3	ND 3
TCL Semi-volatiles							
1,2-Dichlorobenzene	ug/L	3 J	ND 10	ND 10	ND 10	ND 10	ND 10
Hexachloroethane	ug/L	ND 10	2 J	ND 10	ND 10	ND 10	ND 10
Hexachlorobenzene	ug/L	ND 0.025 J	0.041 J	ND 0.025	ND 0.025 J	ND 0.025	0.56
TAL Metals							
Aluminum	ug/L	2900 J	2200 J	7300 J	480 J	990 J	1300 J
Aluminum, dissolved	ug/L	2300	1800	7100	210	150	830
Antimony	ug/L	ND 3.1	ND 3.1	ND 3.1	ND 3.1	ND 3.1	ND 3.1
Antimony, dissolved	ug/L	ND 3.1	ND 3.1	3.4	ND 3.1	ND 3.1	ND 3.1
Arsenic	ug/L	24	17	2 L	ND 1.4 L	3.5 L	ND 1.4 L
Arsenic, dissolved	ug/L	29	19	8.1	2.1	2.7	2.2
Barium	ug/L	22	12	3.1	110	43	94
Barium, dissolved	ug/L	4.6	8.2	1.4	120	49	84
Beryllium	ug/L	0.21	ND 0.2	ND 0.2	1.4	ND 0.2	ND 0.2
Beryllium, dissolved	ug/L	0.23	ND 0.2	ND 0.2	1.1	ND 0.2	ND 0.2
Cadmium	ug/L	0.43 B	0.48 B	0.3 B	3.7	ND 0.3	0.45 B
Cadmium, dissolved	ug/L	ND 0.3	ND 0.3	ND 0.3	0.71	ND 0.3	ND 0.3
Calcium	ug/L	1300	2500	1600	47000	30000	16000
Calcium, dissolved	ug/L	1100	2400	1500	46000	30000	15000
Chromium	ug/L	70 J	74 J	20	32 J	ND 0.6	7.3
Chromium, dissolved	ug/L	67	71	21	28	ND 0.6	6.4
Cobalt	ug/L	2.2	ND 2	ND 2	110	2.8	ND 2
Cobalt, dissolved	ug/L	ND 2	ND 2	ND 2	82	2.4	ND 2
Copper	ug/L	6.8 B	3.6 B	3.9 B	5.9 B	2.4 B	2.9 B
Copper, dissolved	ug/L	4.8	ND 1.5	3.3	2.1	7.5	4.4

TAB 5
SUMMARY OF DETECTED CHEMICALS
FOR PHASE II GROUNDWATER SAMPLES

		PROCESS AREA					
Sample Location:		A-34D	A-34S	A-35D	A-35S	A-36D	A-36S
Sample Date:		12/2/98	12/2/98	12/2/98	12/2/98	12/3/98	12/3/98
Parameter	Units						
TAL Metals							
Iron	ug/L	580	130	120	540	600	76
Iron, dissolved	ug/L	13	ND 7	ND 7	82	29	79 B
Lead	ug/L	3.6	ND 0.9	1.5	5	1.3	3.4
Lead, dissolved	ug/L	ND 0.9 L	ND 0.9 L	ND 0.9 L	4.2 L	ND 0.9 L	ND 0.9 L
Magnesium	ug/L	43	37	110	24000	11000	7300
Magnesium, dissolved	ug/L	16 B	17 B	91	24000	15000	6900
Manganese	ug/L	110	17	7	5600	170	25
Manganese, dissolved	ug/L	2.7	0.79	ND 0.6	4900	180	21
Mercury	ug/L	590	280	110	45	ND 0.1	0.2
Mercury, dissolved	ug/L	560	270	96	32	ND 0.1	0.13
Nickel	ug/L	4.9	ND 2.8	ND 2.8	100	ND 2.8	ND 2.8
Nickel, dissolved	ug/L	ND 2.8	ND 2.8	ND 2.8	27	3.1	ND 2.8
Potassium	ug/L	390000	550000	240000	840000	57000	52000
Potassium, dissolved	ug/L	390000	480000	240000	970000	34000	48000
Selenium	ug/L	11	16	26	ND 2 L	11	ND 2 L
Selenium, dissolved	ug/L	17	21	28	7.1	15	2.3
Silver	ug/L	0.84	1.7	ND 0.6	0.82	ND 0.6	ND ND
Silver, dissolved	ug/L	2.4 B	2.6 B	0.66 B	1.8 B	ND 0.6	0.7
Sodium	ug/L	3700000 J	4000000 J	520000 J	270000 J	190000 J	130000 J
Sodium, dissolved	ug/L	3500000	4100000	520000	310000	180000	120000
Thallium	ug/L	2.5	2.3 B	3 B	ND 1.8	ND ND 1.8	ND 1.8
Thallium, dissolved	ug/L	1.9	ND 1.8	ND 1.8	ND 1.8	ND ND 1.8	ND 1.8
Vanadium	ug/L	170	110	27	ND 1.8	69	20
Vanadium, dissolved	ug/L	170	110	26	ND 1.8	30	17
Zinc	ug/L	24	24	8.5 B	140	25 B	20 B
Zinc, dissolved	ug/L	16 B	13 B	21 B	190	25 B	12 B
General Chemistry							
Chloride	mg/L	5500	6200	450	1500	120	190
Sulfate	mg/L	880	920	740	74	280	35
Total suspended solids	mg/L	64	28	12	36	37	18

TAB 5
SUMMARY OF DETECTED CHEMICALS
FOR PHASE II GROUNDWATER SAMPLES

		OLD BRINE SLUDGE LANDFILL				
Sample Location:		A-17	A-26D	A-26OB	A-26S	B-5
Sample Date:		12/1/98	12/1/98	12/1/98	12/1/98	12/1/98
Parameter	Units					
TCL Volatiles						
Vinyl chloride	ug/L	ND 10	ND 10	3 B	ND 10	ND 10
Methylene chloride	ug/L	1 B	ND 10	ND 10	ND 10	ND 10
1,2-Dichloroethane	ug/L	6 J	ND 10	ND 10	ND 10	ND 10
Tetrachloroethene	ug/L	4 J	ND 10	ND 10	ND 10	ND 10
TAL Metals						
Aluminum	ug/L	18 B	23 B	550 J	10 B	22 B
Aluminum, dissolved	ug/L	ND 5.4	ND 5.4	ND 5.4	ND 5.4	ND 5.4
Barium	ug/L	290	14	170	24	39
Barium, dissolved	ug/L	280	15	160	22	37
Beryllium	ug/L	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
Beryllium, dissolved	ug/L	ND 0.2	0.23	ND 0.2	ND 0.2	ND 0.2
Cadmium	ug/L	ND 0.3	0.69 B	ND 0.3	0.53 B	0.87 B
Cadmium, dissolved	ug/L	ND 0.3	0.49	ND 0.3	ND 0.3	0.5
Calcium	ug/L	40000	140000	150000	46000	37000
Calcium, dissolved	ug/L	38000	140000	140000	43000	36000
Chromium	ug/L	ND 0.6	ND 0.6	1.7	ND 0.6	ND 0.6
Chromium, dissolved	ug/L	ND 0.6	ND 0.6	ND 0.6	ND 0.6	ND 0.6
Cobalt	ug/L	ND 2	10	6.4	9.1	28
Cobalt, dissolved	ug/L	ND 2	11	4.5	7.7	26
Iron	ug/L	25000	22 B	55000	1200	2100
Iron, dissolved	ug/L	24000	9.4 B	48000	1100	31 B
Lead	ug/L	3.2 B	ND 0.9	14 B	ND 0.9	2.1 B
Lead, dissolved	ug/L	0.97 L	ND 0.9 L	1.6 L	ND 0.9 L	ND 0.9 L
Magnesium	ug/L	9500	81000	56000	51000	41000
Magnesium, dissolved	ug/L	9100	86000	52000	48000	39000
Manganese	ug/L	130	1100	9400	950	5900
Manganese, dissolved	ug/L	120	1100	8800	840	5800

TAB 5
SUMMARY OF DETECTED CHEMICALS
FOR PHASE II GROUNDWATER SAMPLES

		OLD BRINE SLUDGE LANDFILL				
Sample Location:		A-17	A-26D	A-26OB	A-26S	B-5
Sample Date:		12/1/98	12/1/98	12/1/98	12/1/98	12/1/98
Parameter	Units					
TAL Metals						
Mercury	ug/L	ND 0.1	0.35	ND 0.1	0.14	ND 0.1
Mercury, dissolved	ug/L	ND 0.1	0.1	ND 0.1	ND 0.1	ND 0.1
Nickel	ug/L	ND 2.8	16	ND 2.8	11	31
Nickel, dissolved	ug/L	ND 2.8	17	ND 2.8	10	31
Potassium	ug/L	6500	28000	110000	22000	19000
Potassium, dissolved	ug/L	6300	29000	100000	21000	18000
Selenium	ug/L	ND 2 L	ND 2 L	2.2 L	7.5 L	ND 2 L
Selenium, dissolved	ug/L	2.3	4.6	3.3 K	11 K	ND 2 L
Silver	ug/L	ND 0.6	ND 0.6	1.1	ND 0.6	ND 0.6
Silver, dissolved	ug/L	ND 0.6	1.2 B	1.9 B	ND 0.6	2.3 B
Sodium	ug/L	100000 J	650000 J	220000 J	330000 J	190000 J
Sodium, dissolved	ug/L	97000	730000	200000	340000	190000
Zinc	ug/L	410	66 B	130	39 B	36 B
Zinc, dissolved	ug/L	41	67	120	37	31
General Chemistry						
Chloride	mg/L	260	1200	450	660	220
Sulfate	mg/L	29	630	220	280	22
Total suspended solids	mg/L	12	4	61	ND 4	6
Total hardness	mg/L	–	–	–	–	–

TAB! 5
SUMMARY OF DET. ED CHEMICALS
FOR PHASE II GROUNDWATER SAMPLES

		NEW BRINE SLUDGE LANDFILL										
Sample Location:		A-6A	A-7A	A-8	A-11A	A-12	A-13	A-14	A-15	A-16	A-23	A-24
Sample Date:		12/2/1998	12/2/1998	12/2/98	12/2/98	12/2/98	12/2/1998	12/2/1998	12/2/1998	12/2/1998	12/2/1998	12/2/1998
ameter	Units											
L Volatiles												
nzene	ug/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	9 J	ND 10	2 J	ND 10
trachloroethene	ug/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	9 J	ND 10	ND 10	ND 10
L Semi-volatiles												
aphthalene	ug/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	4 J	ND 10	ND 10	ND 10
ethylnaphthalene	ug/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	2 J	ND 10	ND 10	ND 10
s(2-ethylhexyl)phthala	ug/L	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	ND 10	1 B
L Metals												
uminum	ug/L	NT	NT	100	16 B	ND 5.4	NT	NT	NT	NT	NT	NT
uminum, dissolved	ug/L	NT	NT	ND 5.4	ND 5.4	ND 5.4	NT	NT	NT	NT	NT	NT
senic	ug/L	NT	NT	ND 1.4 L	ND 1.4 L	ND 1.4 L	NT	NT	NT	NT	NT	NT
senic, dissolved	ug/L	NT	NT	ND 1.4	ND 1.4	1.9	NT	NT	NT	NT	NT	NT
rium	ug/L	NT	NT	16	21	78	NT	NT	NT	NT	NT	NT
rium, dissolved	ug/L	NT	NT	14	21	72	NT	NT	NT	NT	NT	NT
ryllium	ug/L	NT	NT	ND 0.2	0.2	ND 0.2	NT	NT	NT	NT	NT	NT
ryllium, dissolved	ug/L	NT	NT	ND 0.2	ND 0.2	ND 0.2	NT	NT	NT	NT	NT	NT
dmium	ug/L	NT	NT	0.46 B	0.77 B	0.3 B	NT	NT	NT	NT	NT	NT
dmium, dissolved	ug/L	NT	NT	ND 0.3	0.34	ND 0.3	NT	NT	NT	NT	NT	NT
lcium	ug/L	NT	NT	37000	120000	51000	NT	NT	NT	NT	NT	NT
lcium, dissolved	ug/L	NT	NT	36000	120000	49000	NT	NT	NT	NT	NT	NT
balt	ug/L	NT	NT	ND 2	39	40	NT	NT	NT	NT	NT	NT
balt, dissolved	ug/L	NT	NT	ND 2	39	38	NT	NT	NT	NT	NT	NT
pper	ug/L	NT	NT	17	3.6 B	3.5 B	NT	NT	NT	NT	NT	NT
pper, dissolved	ug/L	NT	NT	16	ND 1.5	ND 1.5	NT	NT	NT	NT	NT	NT
n	ug/L	NT	NT	320	18	17000	NT	NT	NT	NT	NT	NT
n, dissolved	ug/L	NT	NT	150	ND 7	15000	NT	NT	NT	NT	NT	NT
ad	ug/L	NT	NT	16	2.1	4.6	NT	NT	NT	NT	NT	NT
ad, dissolved	ug/L	NT	NT	2.6 L	ND 0.9 L	1.4 L	NT	NT	NT	NT	NT	NT
agnesium	ug/L	NT	NT	12000	100000	44000	NT	NT	NT	NT	NT	NT
agnesium, dissolved	ug/L	NT	NT	11000	97000	42000	NT	NT	NT	NT	NT	NT
anganese	ug/L	NT	NT	180	12000	11000	NT	NT	NT	NT	NT	NT
anganese, dissolved	ug/L	NT	NT	180	12000	11000	NT	NT	NT	NT	NT	NT
ercury	ug/L	NT	NT	ND 0.1	0.15	ND 0.1	NT	NT	NT	NT	NT	NT
ercury, dissolved	ug/L	NT	NT	ND 0.1	ND 0.1	ND 0.1	NT	NT	NT	NT	NT	NT
ckel	ug/L	NT	NT	7.1	11	4	NT	NT	NT	NT	NT	NT
ckel, dissolved	ug/L	NT	NT	7.3	10	3.7	NT	NT	NT	NT	NT	NT

TAB 5
SUMMARY OF DET. .ED CHEMICALS
FOR PHASE II GROUNDWATER SAMPLES

		NEW BRINE SLUDGE LANDFILL										
Sample Location:		A-6A	A-7A	A-8	A-11A	A-12	A-13	A-14	A-15	A-16	A-23	A-24
Sample Date:		12/2/1998	12/2/1998	12/2/98	12/2/98	12/2/98	12/2/1998	12/2/1998	12/2/1998	12/2/1998	12/2/1998	12/2/1998
AL Metals												
otassium	ug/L	NT	NT	11000	15000	20000	NT	NT	NT	NT	NT	NT
otassium, dissolved	ug/L	NT	NT	10000	16000	20000	NT	NT	NT	NT	NT	NT
lenium, dissolved	ug/L	NT	NT	2.2	9.8 K	2.3 L	NT	NT	NT	NT	NT	NT
lver	ug/L	NT	NT	ND 0.6	2.4	2.4	NT	NT	NT	NT	NT	NT
lver, dissolved	ug/L	NT	NT	1.7	3.1 B	2.2 B	NT	NT	NT	NT	NT	NT
odium	ug/L	NT	NT	48000 J	230000 J	87000 J	NT	NT	NT	NT	NT	NT
odium, dissolved	ug/L	NT	NT	46000	230000	86000	NT	NT	NT	NT	NT	NT
anadium	ug/L	NT	NT	2.7	ND 1.8	ND 1.8	NT	NT	NT	NT	NT	NT
anadium, dissolved	ug/L	NT	NT	ND 1.8	ND 1.8	ND 1.8	NT	NT	NT	NT	NT	NT
inc	ug/L	NT	NT	380	100	56	NT	NT	NT	NT	NT	NT
inc, dissolved	ug/L	NT	NT	820	97	48	NT	NT	NT	NT	NT	NT
eneral Chemistry												
hloride	mg/L	NT	NT	51	560	110	NT	NT	NT	NT	NT	NT
ulfate	mg/L	NT	NT	120	750	300	NT	NT	NT	NT	NT	NT
otal suspended solids	mg/L	NT	NT	4.4	ND 4	4.4	NT	NT	NT	NT	NT	NT
otal hardness	mg/L	NT	NT	--	--	--	NT	NT	NT	NT	NT	NT

TAF 5
SUMMARY OF DE1. .ED CHEMICALS
FOR PHASE II GROUNDWATER SAMPLES

		METACHEM PIPELINE BOREHOLE WATER				
Sample Location:		SB-10	SB-11	SB-12	SB-13	SB-13
Sample Date:		8/11/94	8/12/94	8/13/94	8/18/94	8/18/94 Duplicate
Parameter:	Units					
TCL Volatiles						
Vinyl chloride	ug/L	ND 10	ND 10	2 K	6 J	7 J
Methylene chloride	ug/L	1 B	1 B	ND 10	3 B	3 B
Acetone	ug/L	6 B	2 B	2 K	150 J	160 J
1,2-Dichloroethene (total)	ug/L	ND 10	ND 10	ND 10	1 J	1 J
2-Butanone (MEK)	ug/L	ND 10	ND 10	ND 10	41 J	42 J
Chloroform	ug/L	5 J	4 J	2 K	2 J	2 J
Carbon tetrachloride	ug/L	ND 10	1 J	ND 10	ND 10	ND 10
Trichloroethene	ug/L	2 J	ND 10	ND 10	2 J	1 J
Benzene	ug/L	ND 10	ND 10	1700	81000	85000
4-Methyl-2-pentanone (MIBK)	ug/L	ND 10	ND 10	ND 10	24 J	26 J
Tetrachloroethene	ug/L	1 J	1 J	ND 10	5 B	2 B
Toluene	ug/L	ND 10	ND 10	1 K	71 J	83 J
Chlorobenzene	ug/L	ND 3	ND 3	5700	81000	82000
TCL Semi-volatiles						
Phenol	ug/L	ND 10	ND 10	74	770 J	150 J
2-Chlorophenol	ug/L	ND 10	ND 10	57	160 J	60 J
1,3-Dichlorobenzene	ug/L	ND 1	15	300	170 J	79 J
1,4-Dichlorobenzene	ug/L	ND 10	70	4100	2800 J	1100 J
1,2-Dichlorobenzene	ug/L	ND 10	57	3000	960 J	560 J
2-Methylphenol	ug/L	ND 10	ND 10	ND 10	9 J	1 J
4-Methylphenol	ug/L	ND 10	ND 10	1 J	79 J	15 J
Nitrobenzene	ug/L	ND 10	ND 10	21	10 J	29 J
2,4-Dichlorophenol	ug/L	ND 10	4 J	18	12	8 J
1,2,4-Trichlorobenzene	ug/L	ND 10	150	970 J	71 J	240 J
Naphthalene	ug/L	ND 10	1 J	ND 10	79 J	28 J
4-Chloroaniline	ug/L	ND 10	ND 10	68	2 J	ND 10 J
2,4,6-Trichlorophenol	ug/L	ND 10	ND 10	ND 10	1 J	1 J
2,4,5-Trichlorophenol	ug/L	ND 25	2 J	1 J	ND 25	ND 25
Dimethyl phthalate	ug/L	3 J	ND 10	ND 10	ND 10	ND 10
3,3'-Dichlorobenzidine	ug/L	ND 10	ND 10	ND 10	R	R
Bis(2-ethylhexyl)phthalate	ug/L	2 J	ND 10	ND 10	ND 10	2 J
Hexachlorobenzene	ug/L	R	R	R	0.071 J	0.125 J

Notes:

ND = Not detected at or above x.
J = Estimated.
R = Rejected.
K = Value is estimated indicating a potential high bias.
B = Analyte was present in an associated blank, indicating probable contamination.
– = Not applicable.