Cell 1
Chemical and Radiological Characteristics

Constituent	1987	2003 (Avg)	2007 (Avg)	2008	2009	2010	2011
Major Ions (mg/l)							
Carbonate	<5	<1	ND	ND	<1	<1	<1
Bicarbonate	<5	NA	ND	ND	<1	<1	<1
Calcium	630	307	483.8	604	635	711	577
Chloride	8000	6728	37340	9830	20700	7440	33800
Fluoride	<100	3005	31.72	0.3	0.4	28.4	69.2
Magnesium	7900	5988	21220	6550	16200	5410	14300
Nitrogen-Ammonia	7800	3353	10628	5250	15200	8120	12900
Nitrogen-Nitrate	<100	41.8	269.4	64.9	142	58	212
Potassium	NA	647	5698	1880	4140	1840	4510
Sodium	10000	8638	62600	13200	39000	16700	29500
Sulfate	190000	63667	287600	118000	232000	107000	182000
pH (s.u.)	0.70	1.88	0.80	1.53	1.15	2.73	2.23
TDS	120000	94700	357400	131000	140000	130000	216000
Conductivity (umhos/cm)	NA	NA	NA	NA	365000	110000	112000
Metals (ug/l)							
Arsenic	440000	121267	849000	271000	436000	74400	299000
Beryllium	780	475	2262	500	410	338	1270
Cadmium	6600	3990	29320	8790	9120	2940	13700
Chromium	13000	6365	29940	6760	18700	5620	22700
Cobalt	120000	NA	88240	23500	97500	16200	56000
Copper	740000	196667	881000	360000	168000	125000	483000
Iron	3400000	2820000	13480000	3280000	2390000	3400000	8940000
Lead	<20000	3393	27420	11200	10600	9240	23600
Manganese	140000	162500	990200	206000	723000	173000	735000
Mercury	NA	NA	ND	ND	7.61	7.2	61.4
Molybdenum	240000	50550	415600	106000	142000	35300	235000
Nickel	370000	36950	40860	32000	156000	27500	43700
Selenium	<20000	1862	15420	13000	14800	5220	11600
Silver	<5000	NA	1559.2	449	558	155	1110
Thallium	45000	NA	407.8	165	387	193	560
Tin	<5000	NA	6512	1240	2290	263	1500
Uranium	105000	134517	788600	416000	578000	159000	838000
Vanadium	280000	348000	2208200	1200000	773000	752000	2500000
Zinc	1300000	NA	642940	476000	229000	171000	398000
Radiologics (pCi/l)							
Gross Alpha	NA	169333[1]	29380	21900	16500	11300	3610
VOCS (ug/L)							
Acetone	35	NA	66.5	110	710	260	80
Benzene	<5	NA	ND	ND	<1	<1	<1
Carbon tetrachloride	<5	NA	ND	ND	<1	<1	<1
Chloroform	8	NA	6.7	6.6	16	4.9	13
Chloromethane	NA	NA	ND	9.4	11	4.4	3.6
MEK	NA	NA	ND	ND	120	65	<1
Methylene Chloride	11	NA	ND	ND	2.0	<1	<1
Naphthalene	<10000	NA	<10	ND	1.1	5.4	2
Tetrahydrofuran	NA	NA	150	<20	<100	<10	<500
Toluene	<5	NA	ND	ND	<1	<1	<1
Xylenes	<5	NA	ND	ND	<1	<1	<1
SVOCS (ug/L)							
1,2,4-Trichlorobenzene	NA	NA	NA	NA	<50	<10	<10
1,2-Dichlorobenzene	NA	NA	NA	NA	<50	<10	<10
1,3-Dichlorobenzene	NA	NA	NA	NA	<50	<10	<10
1,4-Dichlorobenzene	NA	NA	NA	NA	<50	<10	<10
1-Methylnaphthalene	NA	NA	NA	NA	<50	<10	<10
2,4,5-Trichlorophenol	NA	NA	NA	NA	<50	<10	<10
2,4,6-Trichlorophenol	NA	NA	NA	NA	<50	<10	<10
2,4-Dichlorophenol	NA	NA	NA	NA	<50	<10	<10
2,4-Dimethylphenol	NA	NA	NA	NA	<50	<10	<10

Cell 1
Chemical and Radiological Characteristics

Constituent	1987	2003 (Avg)	2007 (Avg)	2008	2009	2010	2011
Major Ions (mg/l)							
2,4-Dinitrophenol	NA	NA	NA	NA	<250	<20	<20
2,4-Dinitrotoluene	NA	NA	NA	NA	<50	<10	<10
2,6-Dinitrotoluene	NA	NA	NA	NA	<50	<10	<10
2-Chloronaphthalene	NA	NA	NA	NA	<50	<10	<10
2-Chlorophenol	NA	NA	NA	NA	<50	<10	<10
2-Methylnaphthalene	NA	NA	NA	NA	<50	<10	<10
2-Methylphenol	NA	NA	NA	NA	<50	<10	<10
2-Nitrophenol	NA	NA	NA	NA	<50	<10	<10
3&4-Methylphenol	NA	NA	NA	NA	<22	<10	<10
3,3´-Dichlorobenzidine	NA	NA	NA	NA	<100	<10	<10
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	<250	<10	<10
4-Bromophenyl phenyl ether	NA	NA	NA	NA	<50	<10	<10
4-Chloro-3-methylphenol	NA	NA	NA	NA	<50	<10	<10
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	<50	<10	<10
4-Nitrophenol	NA	NA	NA	NA	<250	<10	<10
Acenaphthene	NA	NA	NA	NA	<50	<10	<10
Acenaphthylene	NA	NA	NA	NA	<50	<10	<10
Anthracene	NA	NA	NA	NA	<50	<10	<10
Azobenzene	NA	NA	NA	NA	<50	<10	<10
Benz(a)anthracene	NA	NA	NA	NA	<50	<10	<10
Benzidine	NA	NA	NA	NA	<100	<10	<10
Benzo(a)pyrene	NA	NA	NA	NA	<50	<10	<10
Benzo(b)fluoranthene	NA	NA	NA	NA	<50	<10	<10
Benzo(g,h,i)perylene	NA	NA	NA	NA	<50	<10	<10
Benzo(k)fluoranthene	NA	NA	NA	NA	<50	<10	<10
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	<50	<10	<10
Bis(2-chloroethyl) ether	NA	NA	NA	NA	<50	<10	<10
Bis(2-chloroisopropyl) ether	NA	NA	NA	NA	<50	<10	<10
Bis(2-ethylhexyl) phthalate	NA	NA	NA	NA	<50	27	<10
Butyl benzyl phthalate	NA	NA	NA	NA	<50	<10	<10
Chrysene	NA	NA	NA	NA	<50	<10	<10
Dibenz(a,h)anthracene	NA	NA	NA	NA	<50	<10	<10
Diethyl phthalate	NA	NA	NA	NA	170	<10	<10
Dimethyl phthalate	NA	NA	NA	NA	<50	<10	<10
Di-n-butyl phthalate	NA	NA	NA	NA	<50	<10	<10
Di-n-octyl phthalate	NA	NA	NA	NA	<50	<10	<10
Fluoranthene	NA	NA	NA	NA	<50	<10	<10
Fluorene	NA	NA	NA	NA	<50	<10	<10
Hexachlorobenzene	NA	NA	NA	NA	<50	<10	<10
Hexachlorobutadiene	NA	NA	NA	NA	<50	<10	<10
Hexachlorocyclopentadiene	NA	NA	NA	NA	<50	<10	<10
Hexachloroethane	NA	NA	NA	NA	<50	<10	<10
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	<50	<10	<10
Isophorone	NA	NA	NA	NA	<50	<10	<10
Naphthalene	NA	NA	NA	NA	<50	<10	<10
Nitrobenzene	NA	NA	NA	NA	<50	<10	<10
N-Nitrosodimethylamine	NA	NA	NA	NA	<50	<10	<10
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	<50	<10	<10
N-Nitrosodiphenylamine	NA	NA	NA	NA	<50	<10	<10
Pentachlorophenol	NA	NA	NA	NA	<250	<10	<10
Phenanthrene	NA	NA	NA	NA	<50	<10	<10
Phenol	NA	NA	NA	NA	<50	<10	<10
Pyrene	NA	NA	NA	NA	<50	<10	<10
Pyridine	NA	NA	NA	NA	<50	<10	<10

[1] Historic values reported for Gross Alpha from 1987 and 2003 are total gross alpha reported in pCi/L. All other gross alpha data are reported as Gross Alpha minus Rn & U.

Cell 2 Slimes Drain
Chemical and Radiological Characteristics

Major Ions (mg/l)	2007	2008	2009	2010	2011
Carbonate	ND	ND	<1	<1	<1
Bicarbonate	ND	ND	<1	<1	<1
Calcium	572	528	508	496	474
Chloride	3700	3860	2750	3510	3110
Fluoride	3.3	ND	<0.1	2.4	2.1
Magnesium	4100	4030	3750	3790	3640
Nitrogen-Ammonia	4020	3620	3240	3820	2940
Nitrogen-Nitrate	30.9	20.3	38	126	38
Potassium	636	560	689	620	636
Sodium	4050	4600	4410	4770	4590
Sulfate	60600	74000	72200	63700	64200
pH (s.u.)	3.18	3.24	3.11	3.39	3.18
TDS	84300	74600	84100	79900	80200
Conductivity (umhos/cm)	NA	NA	88700	60200	51400
Metals (ug/l)					
Arsenic	26900	19300	14200	23500	17800
Beryllium	298	245	271	267	231
Cadmium	5500	5840	5510	6370	5580
Chromium	2750	2450	2230	2510	2380
Cobalt	46500	43800	38700	48200	42500
Copper	106000	154000	170000	148000	132000
Iron	2770000	3310000	3230000	2720000	2960000
Lead	566	528	403	586	501
Manganese	117000	130000	160000	144000	123000
Mercury	ND	ND	<0.5	<4	11.1
Molybdenum	4080	3190	2240	4630	3510
Nickel	123000	122000	108000	126000	111000
Selenium	422	647	726	844	714
Silver	ND	ND	<10	<10	<10
Thallium	361	703	368	470	371
Tin	ND	ND	<100	<100	<100
Uranium	23000	29200	29900	30600	27100
Vanadium	409000	463000	536000	469000	454000
Zinc	767000	750000	582000	652000	574000
Radiologics (pCi/l)					
Gross Alpha	1290	1570	1580	1000	1230
VOCS (ug/L)					
Acetone	550	410	570	460	690
Benzene	ND	ND	<1	<1	<1
Carbon tetrachloride	ND	ND	<1	<1	<1
Chloroform	20	17	16	15	20
Chloromethane	1.8	ND	2.2	2.3	2
MEK	65	ND	100	83	130
Methylene Chloride	ND	ND	<1	<1	<1
Naphthalene	14	7.5	16	17	13
Tetrahydrofuran	15	NA	<100	<10	<10
Toluene	1.7	ND	2.6	2.6	3
Xylenes	1.5	ND	<1	2.2	<1
SVOCS (ug/L)					
1,2,4-Trichlorobenzene	NA	NA	<11	<10	<10
1,2-Dichlorobenzene	NA	NA	<11	<10	<10
1,3-Dichlorobenzene	NA	NA	<11	<10	<10
1,4-Dichlorobenzene	NA	NA	<11	<10	<10
1-Methylnaphthalene	NA	NA	<11	<10	<10
2,4,5-Trichlorophenol	NA	NA	<11	<10	<10
2,4,6-Trichlorophenol	NA	NA	<11	<10	<10
2,4-Dichlorophenol	NA	NA	<11	<10	<10
2,4-Dimethylphenol	NA	NA	<51	<20	<20
2,4-Dinitrophenol	NA	NA	<11	<10	<10
2,4-Dinitrotoluene	NA	NA	<11	<10	<10
2,6-Dinitrotoluene	NA	NA	<11	<10	<10

Cell 2 Slimes Drain
Chemical and Radiological Characteristics

Major Ions (mg/l)	2007	2008	2009	2010	2011
2-Chloronaphthalene	NA	NA	<11	<10	<10
2-Chlorophenol	NA	NA	<11	<10	<10
2-Methylnaphthalene	NA	NA	<11	<10	<10
2-Methylphenol	NA	NA	<11	<10	<10
2-Nitrophenol	NA	NA	<11	<10	<10
3&4-Methylphenol	NA	NA	<21	<10	<10
3,3´-Dichlorobenzidine	NA	NA	<51	<10	<10
4,6-Dinitro-2-methylphenol	NA	NA	<11	<10	<10
4-Bromophenyl phenyl ether	NA	NA	<11	<10	<10
4-Chloro-3-methylphenol	NA	NA	<11	<10	<10
4-Chlorophenyl phenyl ether	NA	NA	<51	<10	<10
4-Nitrophenol	NA	NA	<11	<10	<10
Acenaphthene	NA	NA	<11	<10	<10
Acenaphthylene	NA	NA	<11	<10	<10
Anthracene	NA	NA	<11	<10	<10
Azobenzene	NA	NA	<11	<10	<10
Benz(a)anthracene	NA	NA	<21	<10	<10
Benzidine	NA	NA	<11	<10	<10
Benzo(a)pyrene	NA	NA	<11	<10	<10
Benzo(b)fluoranthene	NA	NA	<11	<10	<10
Benzo(g,h,i)perylene	NA	NA	<11	<10	<10
Benzo(k)fluoranthene	NA	NA	<11	<10	<10
Bis(2-chloroethoxy)methane	NA	NA	<11	<10	<10
Bis(2-chloroethyl) ether	NA	NA	<11	<10	<10
Bis(2-chloroisopropyl) ether	NA	NA	<11	<10	<10
Bis(2-ethylhexyl) phthalate	NA	NA	<11	<10	<10
Butyl benzyl phthalate	NA	NA	<11	<10	<10
Chrysene	NA	NA	<11	<10	<10
Dibenz(a,h)anthracene	NA	NA	<11	<10	<10
Diethyl phthalate	NA	NA	<11	<10	<10
Dimethyl phthalate	NA	NA	<11	<10	<10
Di-n-butyl phthalate	NA	NA	<11	<10	<10
Di-n-octyl phthalate	NA	NA	<11	<10	<10
Fluoranthene	NA	NA	<11	<10	<10
Fluorene	NA	NA	<11	<10	<10
Hexachlorobenzene	NA	NA	<11	<10	<10
Hexachlorobutadiene	NA	NA	<11	<10	<10
Hexachlorocyclopentadiene	NA	NA	<11	<10	<10
Hexachloroethane	NA	NA	<11	<10	<10
Indeno(1,2,3-cd)pyrene	NA	NA	<11	<10	<10
Isophorone	NA	NA	<11	<10	<10
Naphthalene	NA	NA	<11	<10	<10
Nitrobenzene	NA	NA	<11	<10	<10
N-Nitrosodimethylamine	NA	NA	<11	<10	<10
N-Nitrosodi-n-propylamine	NA	NA	<11	<10	<10
N-Nitrosodiphenylamine	NA	NA	<51	<10	<10
Pentachlorophenol	NA	NA	<11	<10	<10
Phenanthrene	NA	NA	<11	<10	<10
Phenol	NA	NA	<11	10.7	<10
Pyrene	NA	NA	<11	<10	<10
Pyridine	NA	NA	<11	<10	<10

Cell 2 LDS
Chemical and Radiological Characteristics

Constituent	2009	2010	2011
Major Ions (mg/l)			
Carbonate	<1	<1	Not Sampled
Bicarbonate	168	324	
Calcium	711	615	
Chloride	1750	1360	
Fluoride	0.4	0.4	
Magnesium	596	454	
Nitrogen-Ammonia	32.6	0.7	
Nitrogen-Nitrate	2.8	2.2	
Potassium	22	13.0	
Sodium	412	318	
Sulfate	2700	1780	
pH (s.u.)	6.60	7.36	
TDS	6750	5310	
Conductivity (umhos/cm)	11000	6500	
Metals (ug/l)			
Arsenic	<5	<5	Not Sampled
Beryllium	<0.50	<0.50	
Cadmium	33.4	1.10	
Chromium	<25	<25	
Cobalt	314	<10	
Copper	59	12	
Iron	208	37	
Lead	<1.0	<1.0	
Manganese	1810	395	
Mercury	<0.50	0.52	
Molybdenum	21	13	
Nickel	948	<20	
Selenium	7.9	9.4	
Silver	<10	<10	
Thallium	0.92	<0.50	
Tin	<100	<100	
Uranium	83.8	79.6	
Vanadium	22	<15	
Zinc	4220	78	
Radiologics (pCi/l)			
Gross Alpha	13.5	7.3	Not Sampled
VOCS (ug/L)			
Acetone	<20	<20	Not Sampled
Benzene	<1	<1	
Carbon tetrachloride	<1	<1	
Chloroform	<1	<1	
Chloromethane	<1	<1	
MEK	<20	<20	
Methylene Chloride	<1	<1	
Naphthalene	<1	<1	
Tetrahydrofuran	<100	6.13	
Toluene	<1	<1	
Xylenes	<1	<1	
SVOCS (ug/L)			
1,2,4-Trichlorobenzene	NA	<10	Not Sampled
1,2-Dichlorobenzene	NA	<10	
1,3-Dichlorobenzene	NA	<10	
1,4-Dichlorobenzene	NA	<10	
1-Methylnaphthalene	NA	<10	
2,4,5-Trichlorophenol	NA	<10	
2,4,6-Trichlorophenol	NA	<10	
2,4-Dichlorophenol	NA	<10	
2,4-Dimethylphenol	NA	<10	
2,4-Dinitrophenol	NA	<20	

Cell 2 LDS
Chemical and Radiological Characteristics

Constituent	2009	2010	2011
Major Ions (mg/l)			
2,4-Dinitrotoluene	NA	<10	Not Sampled
2,6-Dinitrotoluene	NA	<10	
2-Chloronaphthalene	NA	<10	
2-Chlorophenol	NA	<10	
2-Methylnaphthalene	NA	<10	
2-Methylphenol	NA	<10	
2-Nitrophenol	NA	<10	
3&4-Methylphenol	NA	<10	
3,3´-Dichlorobenzidine	NA	<10	
4,6-Dinitro-2-methylphenol	NA	<10	
4-Bromophenyl phenyl ether	NA	<10	
4-Chloro-3-methylphenol	NA	<10	
4-Chlorophenyl phenyl ether	NA	<10	
4-Nitrophenol	NA	<10	
Acenaphthene	NA	<10	
Acenaphthylene	NA	<10	
Anthracene	NA	<10	
Azobenzene	NA	<10	
Benz(a)anthracene	NA	<10	
Benzidine	NA	<10	
Benzo(a)pyrene	NA	<10	
Benzo(b)fluoranthene	NA	<10	
Benzo(g,h,i)perylene	NA	<10	
Benzo(k)fluoranthene	NA	<10	
Bis(2-chloroethoxy)methane	NA	<10	
Bis(2-chloroethyl) ether	NA	<10	
Bis(2-chloroisopropyl) ether	NA	<10	
Bis(2-ethylhexyl) phthalate	NA	<10	
Butyl benzyl phthalate	NA	<10	
Chrysene	NA	<10	
Dibenz(a,h)anthracene	NA	<10	
Diethyl phthalate	NA	<10	
Dimethyl phthalate	NA	<10	
Di-n-butyl phthalate	NA	<10	
Di-n-octyl phthalate	NA	<10	
Fluoranthene	NA	<10	
Fluorene	NA	<10	
Hexachlorobenzene	NA	<10	
Hexachlorobutadiene	NA	<10	
Hexachlorocyclopentadiene	NA	<10	
Hexachloroethane	NA	<10	
Indeno(1,2,3-cd)pyrene	NA	<10	
Isophorone	NA	<10	
Naphthalene	NA	<10	
Nitrobenzene	NA	<10	
N-Nitrosodimethylamine	NA	<10	
N-Nitrosodi-n-propylamine	NA	<10	
N-Nitrosodiphenylamine	NA	<10	
Pentachlorophenol	NA	<10	
Phenanthrene	NA	<10	
Phenol	NA	<10	
Pyrene	NA	<10	
Pyridine	NA	<10	

Cell 3
Chemical and Radiological Characteristics

Constituent	1987	2003 (Avg)	2007 (Avg)	2008	2009	2010	2011
Major Ions (mg/l)							
Carbonate	NA	<1	ND	ND	<1	<1	<1
Bicarbonate	<5	NA	ND	ND	<1	<1	<1
Calcium	300	418	887	478	628	560	200
Chloride	NA	2460	15965	15400	17200	3470	40400
Fluoride	<100	667	42.8	1.4	0.6	54.8	64.1
Magnesium	5400	3386	15767	13100	17100	2500	22100
Nitrogen-Ammonia	13900	1302	13867	9010	21600	2650	6470
Nitrogen-Nitrate	<100	20	102	44	142	26	261
Potassium	NA	254	6657	4760	3820	782	2590
Sodium	5900	3198	25583	22900	28600	5620	47900
Sulfate	180000	33400	173667	167000	214000	40400	197000
pH (s.u.)	0.82	2.28	1.60	1.79	1.4	2.18	1.27
TDS	189000	51633	228500	193000	243000	56200	296000
Conductivity (umhos/cm)	NA	NA	NA	NA	304000	59800	86400
Metals (ug/l)							
Arsenic	163000	32867	256500	489000	ND	52900	263000
Beryllium	540	430	913	840	905	206	1570
Cadmium	2600	1958	9260	15400	ND	1960	12200
Chromium	12000	3742	14883	12800	ND	3360	22800
Cobalt	48000	NA	82783	57000	ND	13000	76000
Copper	360000	87333	505000	345000	ND	89000	768000
Iron	2100000	1278333	4874500	4400000	5970000	1460000	1.02E+7
Lead	<20000	2507	9647	16900	ND	17200	16700
Manganese	82000	144000	496833	313000	ND	101000	587000
Mercury	ND	NA	ND	16	ND	<4	30.9
Molybdenum	52000	12250	122167	209000	14	21300	96200
Nickel	170000	20917	131833	241000	ND	23800	75800
Selenium	<2000	910	5856	10200	ND	3080	6900
Silver	<2500	NA	305	1010	ND	101	792
Thallium	4700	NA	446	1200	ND	190	518
Tin	NA	NA	1090	1070	ND	155	325
Uranium	118000	67833	332333	636000	3690	180000	458000
Vanadium	210000	158333	935000	1130000	ND	692000	2370000
Zinc	590000	NA	748833	515000	ND	134000	726000
Radiologics (pCi/l)							
Gross Alpha	NA	101583[1]	16533	21700	17000	4030	11100
VOCS (ug/L)							
Acetone	28	NA	80	100	67	37	330
Benzene	<5	NA	ND	ND	<1	<1	<1
Carbon tetrachloride	<5	NA	ND	ND	<1	<1	<1
Chloroform	6	NA	ND	11	4.2	2.6	31
Chloromethane	NA	NA	ND	ND	1.4	1.8	3.5
MEK	NA	NA	ND	ND	<1	<1	67
Methylene Chloride	10	NA	ND	ND	<1	<1	7.4
Naphthalene	<10000	NA	ND	<10	<1	2.1	1.2
Tetrahydrofuran	NA	NA	150	<20	<100	<10	<10
Toluene	<5	NA	ND	ND	<1	<1	<1
Xylenes	<5	NA	ND	ND	<1	<1	<1
SVOCS (ug/L)							
1,2,4-Trichlorobenzene	NA	NA	NA	NA	<11	<10	<10
1,2-Dichlorobenzene	NA	NA	NA	NA	<11	<10	<10
1,3-Dichlorobenzene	NA	NA	NA	NA	<11	<10	<10
1,4-Dichlorobenzene	NA	NA	NA	NA	<11	<10	<10
1-Methylnaphthalene	NA	NA	NA	NA	<11	<10	<10
2,4,5-Trichlorophenol	NA	NA	NA	NA	<11	<10	<10
2,4,6-Trichlorophenol	NA	NA	NA	NA	<11	<10	<10
2,4-Dichlorophenol	NA	NA	NA	NA	<11	<10	<10
2,4-Dimethylphenol	NA	NA	NA	NA	<11	<10	<10
2,4-Dinitrophenol	NA	NA	NA	NA	<53	<20	<20
2,4-Dinitrotoluene	NA	NA	NA	NA	<11	<10	<10
2,6-Dinitrotoluene	NA	NA	NA	NA	<11	<10	<10

Cell 3
Chemical and Radiological Characteristics

Constituent	1987	2003 (Avg)	2007 (Avg)	2008	2009	2010	2011
Major Ions (mg/l)							
2-Chloronaphthalene	NA	NA	NA	NA	<11	<10	<10
2-Chlorophenol	NA	NA	NA	NA	<11	<10	<10
2-Methylnaphthalene	NA	NA	NA	NA	<11	<10	<10
2-Methylphenol	NA	NA	NA	NA	<11	<10	<10
2-Nitrophenol	NA	NA	NA	NA	<11	<10	<10
3&4-Methylphenol	NA	NA	NA	NA	<11	<10	<10
3,3´-Dichlorobenzidine	NA	NA	NA	NA	<21	<10	<10
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	<53	<10	<10
4-Bromophenyl phenyl ether	NA	NA	NA	NA	<11	<10	<10
4-Chloro-3-methylphenol	NA	NA	NA	NA	<11	<10	<10
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	<11	<10	<10
4-Nitrophenol	NA	NA	NA	NA	<53	<10	<10
Acenaphthene	NA	NA	NA	NA	<11	<10	<10
Acenaphthylene	NA	NA	NA	NA	<11	<10	<10
Anthracene	NA	NA	NA	NA	<11	<10	<10
Azobenzene	NA	NA	NA	NA	<11	<10	<10
Benz(a)anthracene	NA	NA	NA	NA	<11	<10	<10
Benzidine	NA	NA	NA	NA	<21	<10	<10
Benzo(a)pyrene	NA	NA	NA	NA	<11	<10	<10
Benzo(b)fluoranthene	NA	NA	NA	NA	<11	<10	<10
Benzo(g,h,i)perylene	NA	NA	NA	NA	<11	<10	<10
Benzo(k)fluoranthene	NA	NA	NA	NA	<11	<10	<10
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	<11	<10	<10
Bis(2-chloroethyl) ether	NA	NA	NA	NA	<11	<10	<10
Bis(2-chloroisopropyl) ether	NA	NA	NA	NA	<11	<10	<10
Bis(2-ethylhexyl) phthalate	NA	NA	NA	NA	<11	10.6	<10
Butyl benzyl phthalate	NA	NA	NA	NA	<11	<10	<10
Chrysene	NA	NA	NA	NA	<11	<10	<10
Dibenz(a,h)anthracene	NA	NA	NA	NA	<11	<10	<10
Diethyl phthalate	NA	NA	NA	NA	<11	<10	<10
Dimethyl phthalate	NA	NA	NA	NA	<11	<10	<10
Di-n-butyl phthalate	NA	NA	NA	NA	<11	<10	<10
Di-n-octyl phthalate	NA	NA	NA	NA	<11	<10	<10
Fluoranthene	NA	NA	NA	NA	<11	<10	<10
Fluorene	NA	NA	NA	NA	<11	<10	<10
Hexachlorobenzene	NA	NA	NA	NA	<11	<10	<10
Hexachlorobutadiene	NA	NA	NA	NA	<11	<10	<10
Hexachlorocyclopentadiene	NA	NA	NA	NA	<11	<10	<10
Hexachloroethane	NA	NA	NA	NA	<11	<10	<10
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	<11	<10	<10
Isophorone	NA	NA	NA	NA	<11	<10	<10
Naphthalene	NA	NA	NA	NA	<11	<10	<10
Nitrobenzene	NA	NA	NA	NA	<11	<10	<10
N-Nitrosodimethylamine	NA	NA	NA	NA	<11	<10	<10
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	<11	<10	<10
N-Nitrosodiphenylamine	NA	NA	NA	NA	<11	<10	<10
Pentachlorophenol	NA	NA	NA	NA	<53	<10	<10
Phenanthrene	NA	NA	NA	NA	<11	<10	<10
Phenol	NA	NA	NA	NA	<11	<10	<10
Pyrene	NA	NA	NA	NA	<11	<10	<10
Pyridine	NA	NA	NA	NA	<11	<10	<10

[1] Historic values reported for Gross Alpha from 1987 and 2003 are total gross alpha reported in pCi/L. All other gross alpha data are reported as Gross Alpha minus Rn & U.

Cell 4A
Chemical and Radiological Characteristics

Constituent	2009	2010	2011
Major Ions (mg/l)			
Carbonate	<1	<1	<1
Bicarbonate	<1	<1	<1
Calcium	627	598	558
Chloride	4650	7350	5870
Fluoride	0.3	21.6	30.6
Magnesium	3250	4940	4720
Nitrogen-Ammonia	3140	5230	4930
Nitrogen-Nitrate	28	52	44
Potassium	980	1440	1450
Sodium	5980	11300	11400
Sulfate	67600	87100	267000
pH (s.u.)	1.40	1.99	1.73
TDS	81400	107000	108000
Conductivity (umhos/cm)	131000	101000	82100
Metals (ug/l)			
Arsenic	626000	109000	86600
Beryllium	296	215	323
Cadmium	1920	3670	2190
Chromium	3220	7500	5900
Cobalt	9440	26500	22500
Copper	99200	168000	181000
Iron	2360000	2920000	3390000
Lead	5360	11800	11000
Manganese	178000	209000	131000
Mercury	1.19	<4	15.2
Molybdenum	24300	43800	24200
Nickel	17100	40900	43500
Selenium	4620	5810	4460
Silver	78	193	216
Thallium	162	350	410
Tin	257	378	319
Uranium	118000	217000	153000
Vanadium	918000	1090000	730000
Zinc	142000	224000	286000
Radiologics (pCi/l)			
Gross Alpha	8910	3400	8290
VOCS (ug/L)			
Acetone	60	55	100
Benzene	<1	<1	<1
Carbon tetrachloride	<1	<1	<1
Chloroform	4.0	8.5	10
Chloromethane	3.4	5.5	7.9
MEK	<1	<1	<1
Methylene Chloride	<1	<1	<1
Naphthalene	1.8	<1	<1
Tetrahydrofuran	<100	<10	<10
Toluene	<1	<1	<1
Xylenes	<1	<1	<1
SVOCS (ug/L)			
1,2,4-Trichlorobenzene	<11	<10	<10
1,2-Dichlorobenzene	<11	<10	<10
1,3-Dichlorobenzene	<11	<10	<10
1,4-Dichlorobenzene	<11	<10	<10
1-Methylnaphthalene	<11	<10	<10
2,4,5-Trichlorophenol	<11	<10	<10
2,4,6-Trichlorophenol	<11	<10	<10
2,4-Dichlorophenol	<11	<10	<10
2,4-Dimethylphenol	<11	<10	<10

Cell 4A
Chemical and Radiological Characteristics

Constituent	2009	2010	2011
Major Ions (mg/l)			
2,4-Dinitrophenol	<53	<20	<20
2,4-Dinitrotoluene	<11	<10	<10
2,6-Dinitrotoluene	<11	<10	<10
2-Chloronaphthalene	<11	<10	<10
2-Chlorophenol	<11	<10	<10
2-Methylnaphthalene	<11	<10	<10
2-Methylphenol	<11	<10	<10
2-Nitrophenol	<11	<10	<10
3&4-Methylphenol	<11	<10	<10
3,3´-Dichlorobenzidine	<21	<10	<10
4,6-Dinitro-2-methylphenol	<53	<10	<10
4-Bromophenyl phenyl ether	<11	<10	<10
4-Chloro-3-methylphenol	<11	<10	<10
4-Chlorophenyl phenyl ether	<11	<10	<10
4-Nitrophenol	<53	<10	<10
Acenaphthene	<11	<10	<10
Acenaphthylene	<11	<10	<10
Anthracene	<11	<10	<10
Azobenzene	<11	<10	<10
Benz(a)anthracene	<11	<10	<10
Benzidine	<21	<10	<10
Benzo(a)pyrene	<11	<10	<10
Benzo(b)fluoranthene	<11	<10	<10
Benzo(g,h,i)perylene	<11	<10	<10
Benzo(k)fluoranthene	<11	<10	<10
Bis(2-chloroethoxy)methane	<11	<10	<10
Bis(2-chloroethyl) ether	<11	<10	<10
Bis(2-chloroisopropyl) ether	<11	<10	<10
Bis(2-ethylhexyl) phthalate	<11	19.6	<10
Butyl benzyl phthalate	<11	<10	<10
Chrysene	<11	<10	<10
Dibenz(a,h)anthracene	<11	<10	<10
Diethyl phthalate	<11	<10	<10
Dimethyl phthalate	<11	<10	<10
Di-n-butyl phthalate	<11	<10	<10
Di-n-octyl phthalate	<11	<10	<10
Fluoranthene	<11	<10	<10
Fluorene	<11	<10	<10
Hexachlorobenzene	<11	<10	<10
Hexachlorobutadiene	<11	<10	<10
Hexachlorocyclopentadiene	<11	<10	<10
Hexachloroethane	<11	<10	<10
Indeno(1,2,3-cd)pyrene	<11	<10	<10
Isophorone	<11	<10	<10
Naphthalene	<11	<10	<10
Nitrobenzene	<11	<10	<10
N-Nitrosodimethylamine	<11	<10	<10
N-Nitrosodi-n-propylamine	<11	<10	<10
N-Nitrosodiphenylamine	<11	<10	<10
Pentachlorophenol	<53	<10	<10
Phenanthrene	<11	<10	<10
Phenol	<11	<10	<10
Pyrene	<11	<10	<10
Pyridine	<11	<10	<10

Cell 4A LDS
Chemical and Radiological Characteristics

Constituent	2009	2010	2011
Major Ions (mg/l)			
Carbonate	<1	<1	<1
Bicarbonate	<1	<1	<1
Calcium	558	474	470
Chloride	7570	4670	6040
Fluoride	0.7	39.4	46
Magnesium	6390	3240	5100
Nitrogen-Ammonia	4480	2290	3480
Nitrogen-Nitrate	69	183	94
Potassium	1960	934	1500
Sodium	12600	6700	11000
Sulfate	92400	41700	77400
pH (s.u.)	1.98	2.53	2.32
TDS	117000	56900	93800
Conductivity (umhos/cm)	150000	49000	66600
Metals (ug/l)			
Arsenic	133000	54000	74700
Beryllium	536	295	367
Cadmium	4010	2650	3160
Chromium	9140	3890	5940
Cobalt	37300	15200	21700
Copper	222000	116000	150000
Iron	3940000	1420000	2530000
Lead	5270	3400	4520
Manganese	389000	157000	207000
Mercury	2.66	6.2	14.7
Molybdenum	49200	23900	29300
Nickel	43900	23900	29600
Selenium	5250	2820	3780
Silver	204	62	127
Thallium	252	194	290
Tin	504	180	119
Uranium	284000	145000	168000
Vanadium	1150000	518000	770000
Zinc	298000	152000	204000
Radiologics (pCi/l)			
Gross Alpha	7020	3230	7440
VOCS (ug/L)			
Acetone	240	130	120
Benzene	<1	<1	<1
Carbon tetrachloride	<1	<1	<1
Chloroform	23	52	26
Chloromethane	7.9	13	3.8
MEK	78	50	82
Methylene Chloride	<1	<1	<1
Naphthalene	<1	1.5	<1
Tetrahydrofuran	140	158	102
Toluene	<1	<1	<1
Xylenes	<1	<1	<1
SVOCS (ug/L)			
1,2,4-Trichlorobenzene	<11	<10	<10
1,2-Dichlorobenzene	<11	<10	<10
1,3-Dichlorobenzene	<11	<10	<10
1,4-Dichlorobenzene	<11	<10	<10
1-Methylnaphthalene	<11	<10	<10
2,4,5-Trichlorophenol	<11	<10	<10
2,4,6-Trichlorophenol	<11	<10	<10
2,4-Dichlorophenol	<11	<10	<10

Cell 4A LDS
Chemical and Radiological Characteristics

Constituent	2009	2010	2011
Major Ions (mg/l)			
2,4-Dimethylphenol	<11	<10	<10
2,4-Dinitrophenol	<54	<20	<20
2,4-Dinitrotoluene	<11	<10	<10
2,6-Dinitrotoluene	<11	<10	<10
2-Chloronaphthalene	<11	<10	<10
2-Chlorophenol	<11	<10	<10
2-Methylnaphthalene	<11	<10	<10
2-Methylphenol	<11	<10	<10
2-Nitrophenol	<11	<10	<10
3&4-Methylphenol	<11	<10	<10
3,3´-Dichlorobenzidine	<22	<10	<10
4,6-Dinitro-2-methylphenol	<54	<10	<10
4-Bromophenyl phenyl ether	<11	<10	<10
4-Chloro-3-methylphenol	<11	<10	<10
4-Chlorophenyl phenyl ether	<11	<10	<10
4-Nitrophenol	<54	<10	<10
Acenaphthene	<11	<10	<10
Acenaphthylene	<11	<10	<10
Anthracene	<11	<10	<10
Azobenzene	<11	<10	<10
Benz(a)anthracene	<11	<10	<10
Benzidine	<22	<10	<10
Benzo(a)pyrene	<11	<10	<10
Benzo(b)fluoranthene	<11	<10	<10
Benzo(g,h,i)perylene	<11	<10	<10
Benzo(k)fluoranthene	<11	<10	<10
Bis(2-chloroethoxy)methane	<11	<10	<10
Bis(2-chloroethyl) ether	<11	<10	<10
Bis(2-chloroisopropyl) ether	<11	<10	<10
Bis(2-ethylhexyl) phthalate	<11	54.9	54.9
Butyl benzyl phthalate	<11	<10	<10
Chrysene	<11	<10	<10
Dibenz(a,h)anthracene	<11	<10	<10
Diethyl phthalate	<11	<10	<10
Dimethyl phthalate	<11	<10	<10
Di-n-butyl phthalate	<11	<10	<10
Di-n-octyl phthalate	<11	<10	<10
Fluoranthene	<11	<10	<10
Fluorene	<11	<10	<10
Hexachlorobenzene	<11	<10	<10
Hexachlorobutadiene	<11	<10	<10
Hexachlorocyclopentadiene	<11	<10	<10
Hexachloroethane	<11	<10	<10
Indeno(1,2,3-cd)pyrene	<11	<10	<10
Isophorone	<11	<10	<10
Naphthalene	<11	<10	<10
Nitrobenzene	<11	<10	<10
N-Nitrosodimethylamine	<11	<10	<10
N-Nitrosodi-n-propylamine	<11	<10	<10
N-Nitrosodiphenylamine	<11	<10	<10
Pentachlorophenol	<54	<10	<10
Phenanthrene	<11	<10	<10
Phenol	33	23.5	<10
Pyrene	<11	<10	<10
Pyridine	<11	<10	<10

Cell 4B
Chemical and Radiological Characteristics

Constituent	2011
Major Ions (mg/l)	
Carbonate	<1
Bicarbonate	<1
Calcium	570
Chloride	8290
Fluoride	26.7
Magnesium	3910
Nitrogen-Ammonia	5220
Nitrogen-Nitrate	39
Potassium	1370
Sodium	9050
Sulfate	134000
pH (s.u.)	1.87
TDS	98000
Conductivity (umhos/cm)	76900
Metals (ug/l)	
Arsenic	67400
Beryllium	311
Cadmium	1990
Chromium	6860
Cobalt	17800
Copper	193000
Iron	2960000
Lead	9960
Manganese	128000
Mercury	13.7
Molybdenum	21400
Nickel	33900
Selenium	4670
Silver	137
Thallium	237
Tin	196
Uranium	133000
Vanadium	660000
Zinc	191000
Radiologics (pCi/l)	
Gross Alpha	8590
VOCS (ug/L)	
Acetone	130
Benzene	<1
Carbon tetrachloride	<1
Chloroform	9.4
Chloromethane	8.5
MEK	<1
Methylene Chloride	<1
Naphthalene	<1
Tetrahydrofuran	<10
Toluene	<1
Xylenes	<1
SVOCS (ug/L)	
1,2,4-Trichlorobenzene	<10
1,2-Dichlorobenzene	<10
1,3-Dichlorobenzene	<10
1,4-Dichlorobenzene	<10
1-Methylnaphthalene	<10
2,4,5-Trichlorophenol	<10
2,4,6-Trichlorophenol	<10
2,4-Dichlorophenol	<10
2,4-Dimethylphenol	<10
2,4-Dinitrophenol	<20

Cell 4B
Chemical and Radiological Characteristics

Constituent	2011
Major Ions (mg/l)	
2,4-Dinitrotoluene	<10
2,6-Dinitrotoluene	<10
2-Chloronaphthalene	<10
2-Chlorophenol	<10
2-Methylnaphthalene	<10
2-Methylphenol	<10
2-Nitrophenol	<10
3&4-Methylphenol	<10
3,3´-Dichlorobenzidine	<10
4,6-Dinitro-2-methylphenol	<10
4-Bromophenyl phenyl ether	<10
4-Chloro-3-methylphenol	<10
4-Chlorophenyl phenyl ether	<10
4-Nitrophenol	<10
Acenaphthene	<10
Acenaphthylene	<10
Anthracene	<10
Azobenzene	<10
Benz(a)anthracene	<10
Benzidine	<10
Benzo(a)pyrene	<10
Benzo(b)fluoranthene	<10
Benzo(g,h,i)perylene	<10
Benzo(k)fluoranthene	<10
Bis(2-chloroethoxy)methane	<10
Bis(2-chloroethyl) ether	<10
Bis(2-chloroisopropyl) ether	<10
Bis(2-ethylhexyl) phthalate	410
Butyl benzyl phthalate	<10
Chrysene	<10
Dibenz(a,h)anthracene	<10
Diethyl phthalate	<10
Dimethyl phthalate	<10
Di-n-butyl phthalate	<10
Di-n-octyl phthalate	<10
Fluoranthene	<10
Fluorene	<10
Hexachlorobenzene	<10
Hexachlorobutadiene	<10
Hexachlorocyclopentadiene	<10
Hexachloroethane	<10
Indeno(1,2,3-cd)pyrene	<10
Isophorone	<10
Naphthalene	<10
Nitrobenzene	<10
N-Nitrosodimethylamine	<10
N-Nitrosodi-n-propylamine	<10
N-Nitrosodiphenylamine	<10
Pentachlorophenol	<10
Phenanthrene	<10
Phenol	<10
Pyrene	<10
Pyridine	<10

Cell 4B LDS
Chemical and Radiological Characteristics

Constituent	2011
Major Ions (mg/l)	
Carbonate	<1
Bicarbonate	<1
Calcium	486
Chloride	3630
Fluoride	28.4
Magnesium	3230
Nitrogen-Ammonia	4260
Nitrogen-Nitrate	30
Potassium	1130
Sodium	8240
Sulfate	59900
pH (s.u.)	2.23
TDS	85800
Conductivity (umhos/cm)	63000
Metals (ug/l)	
Arsenic	54200
Beryllium	274
Cadmium	1670
Chromium	6250
Cobalt	15600
Copper	176000
Iron	2450000
Lead	6060
Manganese	118000
Mercury	12.3
Molybdenum	16700
Nickel	30700
Selenium	3710
Silver	111
Thallium	179
Tin	332
Uranium	111000
Vanadium	518000
Zinc	172000
Radiologics (pCi/l)	
Gross Alpha	6000
VOCS (ug/L)	
Acetone	390
Benzene	<1
Carbon tetrachloride	<1
Chloroform	20
Chloromethane	11
MEK	240
Methylene Chloride	<1
Naphthalene	<1
Tetrahydrofuran	198
Toluene	<1
Xylenes	<1
SVOCS (ug/L)	
1,2,4-Trichlorobenzene	<10
1,2-Dichlorobenzene	<10
1,3-Dichlorobenzene	<10
1,4-Dichlorobenzene	<10
1-Methylnaphthalene	<10
2,4,5-Trichlorophenol	<10
2,4,6-Trichlorophenol	<10
2,4-Dichlorophenol	<10
2,4-Dimethylphenol	<10
2,4-Dinitrophenol	<20

Cell 4B LDS
Chemical and Radiological Characteristics

Constituent	2011
Major Ions (mg/l)	
2,4-Dinitrotoluene	<10
2,6-Dinitrotoluene	<10
2-Chloronaphthalene	<10
2-Chlorophenol	<10
2-Methylnaphthalene	<10
2-Methylphenol	<10
2-Nitrophenol	<10
3&4-Methylphenol	<10
3,3´-Dichlorobenzidine	<10
4,6-Dinitro-2-methylphenol	<10
4-Bromophenyl phenyl ether	<10
4-Chloro-3-methylphenol	<10
4-Chlorophenyl phenyl ether	<10
4-Nitrophenol	<10
Acenaphthene	<10
Acenaphthylene	<10
Anthracene	<10
Azobenzene	<10
Benz(a)anthracene	<10
Benzidine	<10
Benzo(a)pyrene	<10
Benzo(b)fluoranthene	<10
Benzo(g,h,i)perylene	<10
Benzo(k)fluoranthene	<10
Bis(2-chloroethoxy)methane	<10
Bis(2-chloroethyl) ether	<10
Bis(2-chloroisopropyl) ether	<10
Bis(2-ethylhexyl) phthalate	191
Butyl benzyl phthalate	<10
Chrysene	<10
Dibenz(a,h)anthracene	<10
Diethyl phthalate	<10
Dimethyl phthalate	<10
Di-n-butyl phthalate	<10
Di-n-octyl phthalate	<10
Fluoranthene	<10
Fluorene	<10
Hexachlorobenzene	<10
Hexachlorobutadiene	<10
Hexachlorocyclopentadiene	<10
Hexachloroethane	<10
Indeno(1,2,3-cd)pyrene	<10
Isophorone	<10
Naphthalene	<10
Nitrobenzene	<10
N-Nitrosodimethylamine	<10
N-Nitrosodi-n-propylamine	<10
N-Nitrosodiphenylamine	<10
Pentachlorophenol	<10
Phenanthrene	<10
Phenol	<10
Pyrene	<10
Pyridine	<10

1980 – 2003 IUC/NRC Tailings Wastewater Samples*[1]

Constituent	Minimum	Maximum
pH (Std units)	0.7	2.33
Nutrients (mg/L)		
Ammonia (N)	3.0	13900
Nitrite (N)	<100	<100
Nitrate (N)	24	24
Nitrate+Nitrite (N)	17.0	49.2
Phosphorus – total	88.1	620
TKN (N)	4900	5300
Inorganics (mg/L)		
Bicarbonate (HCO3)	<5	<5
Bromide	<500	<500
Carbonate (CO3)	<1	<5
Chloride	2110	8000
Cyanide – total	0.022	0.022
Fluoride	0.02	4400
Phosphate	<500	<500
Silica	110	400
Sulfate	29800	190000
Sulfide	<5	<5
TDS	43100	189000
TOC	76.0	81
TSS	31.0	115
Metals (mg/l)		
Aluminum	330	2530
Antimony	<20	<20
Arsenic	0.3	440
Barium	1.021	0.1
Beryllium	0.347	0.78
Boron	3.5	11.3
Cadmium	1.64	6.6
Calcium	90.0	630
Chromium	1.0	13
Cobalt	14.0	120
Copper	72.2	740
Iron	1080	3400
Gallium	<30	<30
Lead	0.21	6.0
Lithium	<10	<20
Magnesium	1800	7900
Manganese	74.0	222
Mercury	0.0008	17.6
Molybdenum	0.44	240
Nickel	7.2	370
Potassium	219.0	828
Selenium	0.18	2.4
Silver	0.005	0.14
Sodium	1400	10000
Strontium	3.6	14
Thallium	0.7	45
Tin	<5	<5
Titanium	6.5	33.3
Uranium	5.0	154
Vanadium	136	510
Zinc	50	1300
Zirconium	2.3	38.5
Radiologics (pCi/L)		
Gross Alpha	14000	189000
Gross Beta	74	116000
Lead-210	680	20700
Thorium-230	3650	76640
Thorium-232	49	121
Polonium-210	1410	1410
Radium-226	40	1690
Radium-228	1.9	1.9

1980 – 2003 IUC/NRC Tailings Wastewater Samples*[1]

Constituent	Minimum	Maximum
Total Radium	42	1700
Selected VOCs (ug/L)		
Acetone	28	514
Benzene	<5	<5
2-butanone (MEK)	11	15.13
Carbon Disulfide	16	16
Carbon Tetrachloride	<5	<5
Chloroform	6	16.84
1,1-Dichloroethane	<5	<5
1,2-Dichloroethane	<5	<5
Dichloromethane	10	11
Tetrahydofuran	N/A	N/A
Toluene	<5	6.25
Vinyl Chloride	<10	<10
Xylene (total)	<5	<5
Selected Semivolatiles (ug/L)		
Benzo(a)pyrene	<10	<10
Bis(2-ethylhexyl)phthalate	1	1
Chrysene	<10	<10
Diethyl phthalate	<10	18.1
Dimethylphthalate	2.7	2.7
Di-n-butylphthalate	1.08	1.08
Fluoranthene	<10	<10
2-Methylnaphthalene	<10	<10
Naphthalene	2.44	2.44
Phenol	<10	38.4

*Reproduced from the Utah Division of Radiation Control Groundwater Quality Discharge Permit, Statement of Basis for a Uranium Mining Facility at White Mesa, South of Blanding, Utah, dated December 1, 2004.

[1]The data in the Utah Division of Radiation Control Groundwater Quality Discharge Permit, Statement of Basis are based on historical data collected from Cell 1, Cell 2, and Cell 3. The date of collection reflects which cells were operational at the time of sampling. The location of the samples and date of collection is referenced in the Statement of Basis.