

Row Name	Sources Included
A-101 Row	241-A-103 Leak
A-104 Row	241-A-104 Leak 241-A-105 Leak
AX-101 Row	None
AX-102 Row	241-AX-102 Leak

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd
3H	Tritium	9.44E+01	2044	0
14C	Carbon-14	3.54E+02	2051	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	1.45E-02	2052	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	1.03E+04	2051	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	1.96E-04	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	6.00E-02	9621	0.2
134Cs	Cesium-134	0		25
137Cs	Cesium-137 + Daughters	0		25
151Sm	Samarium-151	2.32E-12	3961	1
152Eu	Europium-152	0		1
154Eu	Europium-154	0		1
155Eu	Europium-155	0		1
226Ra	Radium-226 + D	5.15E-11	12032	1
228Ra	Radium-228 + D	0		1
227Ac	Actinium-227 + D	0		67
229Th	Thorium-229 + D	0		3
232Th	Thorium-232	0		3
231Pa	Protactinium-231	0		550
232U	Uranium-232	1.37E-10	2175	0.6
233U	Uranium-233	5.14E-04	12032	0.6
234U	Uranium-234	9.10E-05	12032	0.6
235U	Uranium-235 + D	3.79E-06	12032	0.6
236U	Uranium-236	2.46E-06	12032	0.6
238U	Uranium-238 + D	8.43E-05	12032	0.6
237Np	Neptunium-237 + D	0		2
238Pu	Plutonium-238	0		3
239Pu	Plutonium-239	0		3
240Pu	Plutonium-240	0		3
241Pu	Plutonium-241 + D	0		3
242Pu	Plutonium-242	0		3
241Am	Americium-241	0		3
243Am	Americium-243 + D	0		3
242Cm	Curium-242	0		3
243Cm	Curium-243	0		3
244Cm	Curium-244	0		3
7429-90-5	Aluminum	3.03E-06	12032	1
7664-41-7	Ammonia -- (a)	6.54E-02	2051	0.00093
7440-69-9	Bismuth	1.67E-03	2051	
7440-70-2	Calcium	0		4
16887-00-6	Chloride	4.30E-01	2051	

18540-29-9	Chromium	1.21E-01	2051	0
16984-48-8	Fluoride	7.71E-02	2051	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	3.88E-08	2051	
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	1.96E-09	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	9.11E+00	2051	0
14797-65-0	Nitrite	5.22E+00	2051	0
14265-44-2	Phosphate	2.48E-01	2051	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	1.30E+01	2051	
14808-79-8	Sulfate	5.00E-01	2051	
7440-61-1	Uranium	2.53E-07	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	6.86E-02	2051	0.002076
Rad Totals				
Non-Rad Totals				
Cumulative Totals				

Kd Bin Half-Life

Years
0 12.33
0 5730
5 74999
5 100.1
0.1 5.2713
2 805000
5 28.149
5 16.13
0 211097
1 1.01736
1 14.1
1 246000
1 2.7299
0.2 15700000
5 2.0619
5 29.999
1 89.997
1 13.33
1 8.5919
1 4.68
1 1600
1 5.7498
5 21.769
2 7340
2 1405000000
5 32759
0.6 69.799
0.6 159198
0.6 245694
0.6 703700000
0.6 23420000
0.6 4468000000
2 2140000
2 87.697
2 24110
2 6563
2 14.35
2 373507
2 432.7
2 7370
2 0.44611
2 28.499
2 18.1
1 Infinity
0 Infinity
0 Infinity
5 Infinity
0 Infinity

Report Generated on: 5/25/2005, 8:04:34 AM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-A-103 TanksPastLeaks_A-AX.txt case01.stp
Major Assumptions Used:
Dilution factor for WMA-A-AX: 40
Compliance Monitoring Start Year :2001

0 Infinity
0 Infinity
5 Infinity
0 Infinity
5 Infinity
1 Infinity
5 Infinity
5 Infinity
0 Infinity
0 Infinity
0 Infinity
5 Infinity
2 Infinity
0 Infinity
0 Infinity
0.6 Infinity
5 Infinity
0 Infinity

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd
3H	Tritium	1.20E+01	2044	0
14C	Carbon-14	2.92E+01	2051	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	4.09E-03	2052	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	1.10E+03	2051	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	2.17E-05	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	3.30E-03	9621	0.2
134Cs	Cesium-134	0		25
137Cs	Cesium-137 + Daughters	0		25
151Sm	Samarium-151	8.89E-13	3961	1
152Eu	Europium-152	0		1
154Eu	Europium-154	0		1
155Eu	Europium-155	0		1
226Ra	Radium-226 + D	3.02E-12	12032	1
228Ra	Radium-228 + D	0		1
227Ac	Actinium-227 + D	0		67
229Th	Thorium-229 + D	0		3
232Th	Thorium-232	0		3
231Pa	Protactinium-231	0		550
232U	Uranium-232	3.06E-12	2175	0.6
233U	Uranium-233	1.17E-05	12032	0.6
234U	Uranium-234	2.99E-05	12032	0.6
235U	Uranium-235 + D	1.30E-06	12032	0.6
236U	Uranium-236	7.39E-07	12032	0.6
238U	Uranium-238 + D	3.06E-05	12032	0.6
237Np	Neptunium-237 + D	0		2
238Pu	Plutonium-238	0		3
239Pu	Plutonium-239	0		3
240Pu	Plutonium-240	0		3
241Pu	Plutonium-241 + D	0		3
242Pu	Plutonium-242	0		3
241Am	Americium-241	0		3
243Am	Americium-243 + D	0		3
242Cm	Curium-242	0		3
243Cm	Curium-243	0		3
244Cm	Curium-244	0		3
7429-90-5	Aluminum	1.42E-08	12032	1
7664-41-7	Ammonia -- (a)	4.58E-03	2051	0.00093
7440-69-9	Bismuth	6.61E-06	2051	
7440-70-2	Calcium	0		4
16887-00-6	Chloride	1.04E-02	2051	

18540-29-9	Chromium	1.35E-02	2051	0
16984-48-8	Fluoride	1.95E-04	2051	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	4.59E-13	2051	
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	2.27E-10	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	2.85E-01	2051	0
14797-65-0	Nitrite	3.35E-01	2051	0
14265-44-2	Phosphate	3.23E-02	2051	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	4.74E-01	2051	
14808-79-8	Sulfate	1.09E-01	2051	
7440-61-1	Uranium	9.17E-08	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	2.63E-05	2051	0.002076
Rad Totals				
Non-Rad Totals				
Cumulative Totals				

Kd Bin Half-Life

Years
0 12.33
0 5730
5 74999
5 100.1
0.1 5.2713
2 805000
5 28.149
5 16.13
0 211097
1 1.01736
1 14.1
1 246000
1 2.7299
0.2 15700000
5 2.0619
5 29.999
1 89.997
1 13.33
1 8.5919
1 4.68
1 1600
1 5.7498
5 21.769
2 7340
2 1405000000
5 32759
0.6 69.799
0.6 159198
0.6 245694
0.6 703700000
0.6 23420000
0.6 4468000000
2 2140000
2 87.697
2 24110
2 6563
2 14.35
2 373507
2 432.7
2 7370
2 0.44611
2 28.499
2 18.1
1 Infinity
0 Infinity
0 Infinity
5 Infinity
0 Infinity

Report Generated on: 5/25/2005, 8:05:45 AM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-A-104 TanksPastLeaks_A-AX.txt case01.stp
Major Assumptions Used:
Dilution factor for WMA-A-AX: 40
Compliance Monitoring Start Year :2001

0 Infinity
0 Infinity
5 Infinity
0 Infinity
5 Infinity
1 Infinity
5 Infinity
5 Infinity
0 Infinity
0 Infinity
0 Infinity
5 Infinity
2 Infinity
0 Infinity
0 Infinity
0.6 Infinity
5 Infinity
0 Infinity

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd
3H	Tritium	5.13E+00	2044	0
14C	Carbon-14	2.04E+01	2051	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	2.16E-03	2052	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	1.03E+03	2051	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	2.04E-05	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	7.27E-04	9621	0.2
134Cs	Cesium-134	0		25
137Cs	Cesium-137 + Daughters	0		25
151Sm	Samarium-151	3.89E-13	3961	1
152Eu	Europium-152	0		1
154Eu	Europium-154	0		1
155Eu	Europium-155	0		1
226Ra	Radium-226 + D	2.89E-12	12032	1
228Ra	Radium-228 + D	0		1
227Ac	Actinium-227 + D	0		67
229Th	Thorium-229 + D	0		3
232Th	Thorium-232	0		3
231Pa	Protactinium-231	0		550
232U	Uranium-232	5.62E-14	2175	0.6
233U	Uranium-233	4.49E-09	12032	0.6
234U	Uranium-234	2.35E-05	12032	0.6
235U	Uranium-235 + D	1.03E-06	12032	0.6
236U	Uranium-236	8.08E-07	12032	0.6
238U	Uranium-238 + D	2.19E-05	12032	0.6
237Np	Neptunium-237 + D	0		2
238Pu	Plutonium-238	0		3
239Pu	Plutonium-239	0		3
240Pu	Plutonium-240	0		3
241Pu	Plutonium-241 + D	0		3
242Pu	Plutonium-242	0		3
241Am	Americium-241	0		3
243Am	Americium-243 + D	0		3
242Cm	Curium-242	0		3
243Cm	Curium-243	0		3
244Cm	Curium-244	0		3
7664-41-7	Ammonia -- (a)	3.01E-03	2051	0.00093
7440-70-2	Calcium	0		4
16887-00-6	Chloride	8.20E-03	2051	
18540-29-9	Chromium	3.21E-03	2051	0
16984-48-8	Fluoride	2.87E-04	2051	

7439-89-6	Iron	0		25
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	2.01E-11	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	6.76E-02	2051	0
14797-65-0	Nitrite	1.73E-01	2051	0
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	1.85E-01	2051	
14808-79-8	Sulfate	9.30E-02	2051	
7440-61-1	Uranium	6.56E-08	12032	0.6
71-36-3	n-Butyl alcohol (1-butanol)	9.59E-04	2051	0.002076
Rad Totals				
Non-Rad Totals				
Cumulative Totals				

Kd Bin Half-Life

Years
0 12.33
0 5730
5 74999
5 100.1
0.1 5.2713
2 805000
5 28.149
5 16.13
0 211097
1 1.01736
1 14.1
1 246000
1 2.7299
0.2 15700000
5 2.0619
5 29.999
1 89.997
1 13.33
1 8.5919
1 4.68
1 1600
1 5.7498
5 21.769
2 7340
2 1405000000
5 32759
0.6 69.799
0.6 159198
0.6 245694
0.6 703700000
0.6 23420000
0.6 4468000000
2 2140000
2 87.697
2 24110
2 6563
2 14.35
2 373507
2 432.7
2 7370
2 0.44611
2 28.499
2 18.1
0 Infinity
5 Infinity
0 Infinity
0 Infinity
0 Infinity

Report Generated on: 5/25/2005, 8:06:07 AM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-A-105 TanksPastLeaks_A-AX.txt case01.stp
Major Assumptions Used:
Dilution factor for WMA-A-AX: 40
Compliance Monitoring Start Year :2001

5 Infinity
5 Infinity
1 Infinity
5 Infinity
5 Infinity
0 Infinity
0 Infinity
5 Infinity
2 Infinity
0 Infinity
0 Infinity
0.6 Infinity
0 Infinity

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd
3H	Tritium	2.63E+01	2044	0
14C	Carbon-14	2.38E+01	2051	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	7.49E-03	2052	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	1.62E+03	2051	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	3.38E-05	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	7.89E-04	9621	0.2
134Cs	Cesium-134	0		25
137Cs	Cesium-137 + Daughters	0		25
151Sm	Samarium-151	4.49E-13	3961	1
152Eu	Europium-152	0		1
154Eu	Europium-154	0		1
155Eu	Europium-155	0		1
226Ra	Radium-226 + D	5.97E-12	12032	1
228Ra	Radium-228 + D	0		1
227Ac	Actinium-227 + D	0		67
229Th	Thorium-229 + D	0		3
232Th	Thorium-232	0		3
231Pa	Protactinium-231	0		550
232U	Uranium-232	3.19E-12	2175	0.6
233U	Uranium-233	1.11E-05	12032	0.6
234U	Uranium-234	5.71E-05	12032	0.6
235U	Uranium-235 + D	2.53E-06	12032	0.6
236U	Uranium-236	2.82E-06	12032	0.6
238U	Uranium-238 + D	4.49E-05	12032	0.6
237Np	Neptunium-237 + D	0		2
238Pu	Plutonium-238	0		3
239Pu	Plutonium-239	0		3
240Pu	Plutonium-240	0		3
241Pu	Plutonium-241 + D	0		3
242Pu	Plutonium-242	0		3
241Am	Americium-241	0		3
243Am	Americium-243 + D	0		3
242Cm	Curium-242	0		3
243Cm	Curium-243	0		3
244Cm	Curium-244	0		3
7429-90-5	Aluminum	6.79E-08	12032	1
7664-41-7	Ammonia -- (a)	3.07E-04	2051	0.00093
7440-69-9	Bismuth	8.51E-07	2051	
7440-70-2	Calcium	0		4
16887-00-6	Chloride	1.07E-02	2051	

18540-29-9	Chromium	2.99E-03	2051	0
16984-48-8	Fluoride	2.81E-05	2051	
7439-89-6	Iron	0		25
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	1.54E-11	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	3.93E-01	2051	0
14797-65-0	Nitrite	4.21E-02	2051	0
14265-44-2	Phosphate	2.02E-03	2051	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	3.45E-01	2051	
14808-79-8	Sulfate	4.26E-02	2051	
7440-61-1	Uranium	1.35E-07	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	3.32E-04	2051	0.002076
Rad Totals				
Non-Rad Totals				
Cumulative Totals				

Kd Bin Half-Life

Years
0 12.33
0 5730
5 74999
5 100.1
0.1 5.2713
2 805000
5 28.149
5 16.13
0 211097
1 1.01736
1 14.1
1 246000
1 2.7299
0.2 15700000
5 2.0619
5 29.999
1 89.997
1 13.33
1 8.5919
1 4.68
1 1600
1 5.7498
5 21.769
2 7340
2 1405000000
5 32759
0.6 69.799
0.6 159198
0.6 245694
0.6 703700000
0.6 23420000
0.6 4468000000
2 2140000
2 87.697
2 24110
2 6563
2 14.35
2 373507
2 432.7
2 7370
2 0.44611
2 28.499
2 18.1
1 Infinity
0 Infinity
0 Infinity
5 Infinity
0 Infinity

Report Generated on: 5/25/2005, 8:06:43 AM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-AX-102 TanksPastLeaks_A-AX.txt case01.stp
Major Assumptions Used:
Dilution factor for WMA-A-AX: 40
Compliance Monitoring Start Year :2001

0 Infinity
0 Infinity
5 Infinity
5 Infinity
1 Infinity
5 Infinity
5 Infinity
0 Infinity
0 Infinity
0 Infinity
5 Infinity
2 Infinity
0 Infinity
0 Infinity
0.6 Infinity
5 Infinity
0 Infinity

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd
3H	Tritium	9.44E+01	2044	0
14C	Carbon-14	3.54E+02	2051	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	1.45E-02	2052	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	1.03E+04	2051	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	1.96E-04	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	6.00E-02	9621	0.2
134Cs	Cesium-134	0		25
137Cs	Cesium-137 + Daughters	0		25
151Sm	Samarium-151	2.32E-12	3961	1
152Eu	Europium-152	0		1
154Eu	Europium-154	0		1
155Eu	Europium-155	0		1
226Ra	Radium-226 + D	5.15E-11	12032	1
228Ra	Radium-228 + D	0		1
227Ac	Actinium-227 + D	0		67
229Th	Thorium-229 + D	0		3
232Th	Thorium-232	0		3
231Pa	Protactinium-231	0		550
232U	Uranium-232	1.37E-10	2175	0.6
233U	Uranium-233	5.14E-04	12032	0.6
234U	Uranium-234	9.10E-05	12032	0.6
235U	Uranium-235 + D	3.79E-06	12032	0.6
236U	Uranium-236	2.46E-06	12032	0.6
238U	Uranium-238 + D	8.43E-05	12032	0.6
237Np	Neptunium-237 + D	0		2
238Pu	Plutonium-238	0		3
239Pu	Plutonium-239	0		3
240Pu	Plutonium-240	0		3
241Pu	Plutonium-241 + D	0		3
242Pu	Plutonium-242	0		3
241Am	Americium-241	0		3
243Am	Americium-243 + D	0		3
242Cm	Curium-242	0		3
243Cm	Curium-243	0		3
244Cm	Curium-244	0		3
7429-90-5	Aluminum	3.03E-06	12032	1
7664-41-7	Ammonia -- (a)	6.54E-02	2051	0.00093
7440-69-9	Bismuth	1.67E-03	2051	
7440-70-2	Calcium	0		4
16887-00-6	Chloride	4.30E-01	2051	

18540-29-9	Chromium	1.21E-01	2051	0
16984-48-8	Fluoride	7.71E-02	2051	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	3.88E-08	2051	
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	1.96E-09	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	9.11E+00	2051	0
14797-65-0	Nitrite	5.22E+00	2051	0
14265-44-2	Phosphate	2.48E-01	2051	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	1.30E+01	2051	
14808-79-8	Sulfate	5.00E-01	2051	
7440-61-1	Uranium	2.53E-07	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	6.86E-02	2051	0.002076
Rad Totals				
Non-Rad Totals				
Cumulative Totals				

Kd Bin Half-Life

Years
0 12.33
0 5730
5 74999
5 100.1
0.1 5.2713
2 805000
5 28.149
5 16.13
0 211097
1 1.01736
1 14.1
1 246000
1 2.7299
0.2 15700000
5 2.0619
5 29.999
1 89.997
1 13.33
1 8.5919
1 4.68
1 1600
1 5.7498
5 21.769
2 7340
2 1405000000
5 32759
0.6 69.799
0.6 159198
0.6 245694
0.6 703700000
0.6 23420000
0.6 4468000000
2 2140000
2 87.697
2 24110
2 6563
2 14.35
2 373507
2 432.7
2 7370
2 0.44611
2 28.499
2 18.1
1 Infinity
0 Infinity
0 Infinity
5 Infinity
0 Infinity

Report Generated on: 5/25/2005, 8:07:13 AM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-A-101
241-A-102
241-A-103
TanksPastLeaks_A-AX.txt case01.stp
Major Assumptions Used:
Dilution factor for WMA-A-AX: 40
Compliance Monitoring Start Year :2001

Verified by John Middleton 6/15/05

0 Infinity
0 Infinity
5 Infinity
0 Infinity
5 Infinity
1 Infinity
5 Infinity
5 Infinity
0 Infinity
0 Infinity
0 Infinity
5 Infinity
2 Infinity
0 Infinity
0 Infinity
0.6 Infinity
5 Infinity
0 Infinity

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd
3H	Tritium	1.71E+01	2044	0
14C	Carbon-14	4.96E+01	2051	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	6.25E-03	2052	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	2.14E+03	2051	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	4.22E-05	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	4.03E-03	9621	0.2
134Cs	Cesium-134	0		25
137Cs	Cesium-137 + Daughters	0		25
151Sm	Samarium-151	1.28E-12	3961	1
152Eu	Europium-152	0		1
154Eu	Europium-154	0		1
155Eu	Europium-155	0		1
226Ra	Radium-226 + D	5.90E-12	12032	1
228Ra	Radium-228 + D	0		1
227Ac	Actinium-227 + D	0		67
229Th	Thorium-229 + D	0		3
232Th	Thorium-232	0		3
231Pa	Protactinium-231	0		550
232U	Uranium-232	3.12E-12	2175	0.6
233U	Uranium-233	1.17E-05	12032	0.6
234U	Uranium-234	5.34E-05	12032	0.6
235U	Uranium-235 + D	2.32E-06	12032	0.6
236U	Uranium-236	1.55E-06	12032	0.6
238U	Uranium-238 + D	5.25E-05	12032	0.6
237Np	Neptunium-237 + D	0		2
238Pu	Plutonium-238	0		3
239Pu	Plutonium-239	0		3
240Pu	Plutonium-240	0		3
241Pu	Plutonium-241 + D	0		3
242Pu	Plutonium-242	0		3
241Am	Americium-241	0		3
243Am	Americium-243 + D	0		3
242Cm	Curium-242	0		3
243Cm	Curium-243	0		3
244Cm	Curium-244	0		3
7429-90-5	Aluminum	1.42E-08	12032	1
7664-41-7	Ammonia -- (a)	7.59E-03	2051	0.00093
7440-69-9	Bismuth	6.61E-06	2051	
7440-70-2	Calcium	0		4
16887-00-6	Chloride	1.86E-02	2051	

18540-29-9	Chromium	1.68E-02	2051	0
16984-48-8	Fluoride	4.82E-04	2051	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	4.59E-13	2051	
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	2.48E-10	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	3.53E-01	2051	0
14797-65-0	Nitrite	5.08E-01	2051	0
14265-44-2	Phosphate	3.23E-02	2051	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	6.59E-01	2051	
14808-79-8	Sulfate	2.02E-01	2051	
7440-61-1	Uranium	1.57E-07	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	9.85E-04	2051	0.002076
Rad Totals				
Non-Rad Totals				
Cumulative Totals				

Kd Bin Half-Life

Years
0 12.33
0 5730
5 74999
5 100.1
0.1 5.2713
2 805000
5 28.149
5 16.13
0 211097
1 1.01736
1 14.1
1 246000
1 2.7299
0.2 15700000
5 2.0619
5 29.999
1 89.997
1 13.33
1 8.5919
1 4.68
1 1600
1 5.7498
5 21.769
2 7340
2 1405000000
5 32759
0.6 69.799
0.6 159198
0.6 245694
0.6 703700000
0.6 23420000
0.6 4468000000
2 2140000
2 87.697
2 24110
2 6563
2 14.35
2 373507
2 432.7
2 7370
2 0.44611
2 28.499
2 18.1
1 Infinity
0 Infinity
0 Infinity
5 Infinity
0 Infinity

Report Generated on: 5/25/2005, 8:07:45 AM		
Report Generated by H0098416 (David J. Watson)		
Decision Management Tool Version 4.0.0.37		
241-A-104	TanksPastLeaks_A-AX.txt	case01.stp
241-A-105	TanksPastLeaks_A-AX.txt	case01.stp
241-A-106		
241-A-417		
241-A-350		
Major Assumptions Used:		
Dilution factor for WMA-A-AX: 40		
Compliance Monitoring Start Year :2001		

Verified by John Middleton 6/15/05

0 Infinity
0 Infinity
5 Infinity
0 Infinity
5 Infinity
1 Infinity
5 Infinity
5 Infinity
0 Infinity
0 Infinity
0 Infinity
5 Infinity
2 Infinity
0 Infinity
0 Infinity
0.6 Infinity
5 Infinity
0 Infinity

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd
3H	Tritium	2.63E+01	2044	0
14C	Carbon-14	2.38E+01	2051	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	7.49E-03	2052	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	1.62E+03	2051	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	3.38E-05	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	7.89E-04	9621	0.2
134Cs	Cesium-134	0		25
137Cs	Cesium-137 + Daughters	0		25
151Sm	Samarium-151	4.49E-13	3961	1
152Eu	Europium-152	0		1
154Eu	Europium-154	0		1
155Eu	Europium-155	0		1
226Ra	Radium-226 + D	5.97E-12	12032	1
228Ra	Radium-228 + D	0		1
227Ac	Actinium-227 + D	0		67
229Th	Thorium-229 + D	0		3
232Th	Thorium-232	0		3
231Pa	Protactinium-231	0		550
232U	Uranium-232	3.19E-12	2175	0.6
233U	Uranium-233	1.11E-05	12032	0.6
234U	Uranium-234	5.71E-05	12032	0.6
235U	Uranium-235 + D	2.53E-06	12032	0.6
236U	Uranium-236	2.82E-06	12032	0.6
238U	Uranium-238 + D	4.49E-05	12032	0.6
237Np	Neptunium-237 + D	0		2
238Pu	Plutonium-238	0		3
239Pu	Plutonium-239	0		3
240Pu	Plutonium-240	0		3
241Pu	Plutonium-241 + D	0		3
242Pu	Plutonium-242	0		3
241Am	Americium-241	0		3
243Am	Americium-243 + D	0		3
242Cm	Curium-242	0		3
243Cm	Curium-243	0		3
244Cm	Curium-244	0		3
7429-90-5	Aluminum	6.79E-08	12032	1
7664-41-7	Ammonia -- (a)	3.07E-04	2051	0.00093
7440-69-9	Bismuth	8.51E-07	2051	
7440-70-2	Calcium	0		4
16887-00-6	Chloride	1.07E-02	2051	

18540-29-9	Chromium	2.99E-03	2051	0
16984-48-8	Fluoride	2.81E-05	2051	
7439-89-6	Iron	0		25
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	1.54E-11	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	3.93E-01	2051	0
14797-65-0	Nitrite	4.21E-02	2051	0
14265-44-2	Phosphate	2.02E-03	2051	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	3.45E-01	2051	
14808-79-8	Sulfate	4.26E-02	2051	
7440-61-1	Uranium	1.35E-07	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	3.32E-04	2051	0.002076
Rad Totals				
Non-Rad Totals				
Cumulative Totals				

Kd Bin Half-Life

Years
0 12.33
0 5730
5 74999
5 100.1
0.1 5.2713
2 805000
5 28.149
5 16.13
0 211097
1 1.01736
1 14.1
1 246000
1 2.7299
0.2 15700000
5 2.0619
5 29.999
1 89.997
1 13.33
1 8.5919
1 4.68
1 1600
1 5.7498
5 21.769
2 7340
2 1405000000
5 32759
0.6 69.799
0.6 159198
0.6 245694
0.6 703700000
0.6 23420000
0.6 4468000000
2 2140000
2 87.697
2 24110
2 6563
2 14.35
2 373507
2 432.7
2 7370
2 0.44611
2 28.499
2 18.1
1 Infinity
0 Infinity
0 Infinity
5 Infinity
0 Infinity

Report Generated on: 5/25/2005, 8:09:30 AM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-AX-102 TanksPastLeaks_A-AX.txt case01.stp
241-AX-104
Major Assumptions Used:
Dilution factor for WMA-A-AX: 40
Compliance Monitoring Start Year :2001

Verified by John Middleton 6/15/05

0 Infinity
0 Infinity
5 Infinity
5 Infinity
1 Infinity
5 Infinity
5 Infinity
0 Infinity
0 Infinity
0 Infinity
5 Infinity
2 Infinity
0 Infinity
0 Infinity
0.6 Infinity
5 Infinity
0 Infinity