Appendix A

Existing Data Summary Tables

APPENDIX A

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Existing Data Summary

Sampling Map - Site CPP-97

OU 3-13, Group 3, Other Surface Soils, Remediation Set 3, Phase 1 - Site CPP-97

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Low	Source data[c] High	Samples
Organics								
1,1,1-Trichloroethane	1.6E + 01			NOT analyzed for				
1,1,2,2-Tetrachloroethane	5.0E - 02			NOT analyzed for				
1,1,2-Trichloroethane	2.4E - 01			NOT analyzed for				
1,1-Dichloroethane	2.3E + 00			NOT analyzed for				
1,1-Dichloroethene	1.5E + 00			NOT analyzed for				
1,2,4-Trichlorobenzene	1.1E + 01			NOT analyzed for				
1,2-Dichlorobenzene	1.1E + 01			NOT analyzed for				
1,2-Dichloroethane	5.4E - 03			NOT analyzed for				
1,2-Dichloroethene (total)	3.2E - 01			NOT analyzed for				
1,3-Dichlorobenzene	1.1E + 01			NOT analyzed for				
1,4-Dichlorobenzene	4.4E + 01			NOT analyzed for				
1,4-Dioxane	1.9E - 02			NOT analyzed for				
2,4,5-Trichlorophenol	4.5E + 01			NOT analyzed for				
2,4,6-Trichlorophenol	1.8E + 01			NOT analyzed for				
2,4-Dichlorophenol	2.2E + 01			NOT analyzed for				
2,4-Dimethylphenol	1.8E + 01			NOT analyzed for				
2,4-Dinitrophenol	5.1E + 01			NOT analyzed for				
2,4-Dinitrotoluene	1.1E + 01			NOT analyzed for				
2,6-Dinitrotoluene	2.1E + 01			NOT analyzed for				
2-Butanone	2.5E + 01			NOT analyzed for				
2-Chloronaphthalene	1.1E + 01			NOT analyzed for				
2-Chlorophenol	1.8E + 01			NOT analyzed for				
2-Hexanone	2.7E + 00			NOT analyzed for				
2-Methylnaphthalene	5.1E + 02			NOT analyzed for				
2-Methylphenol	2.1E + 01			NOT analyzed for				
2-Nitroaniline	1.0E - 01			NOT analyzed for				
2-Nitrophenol	1.8E + 01			NOT analyzed for				
3,3-Dichlorobenzidine	1.1E + 01			NOT analyzed for				
3-Methyl Butanal	3.3E + 04			NOT analyzed for				
3-Nitroaniline	1.0E - 01			NOT analyzed for				
4,6-Dinitro-2-methylphenol	4.5E + 01			NOT analyzed for				
4-Bromophenyl-phenylether	8.5E + 04			NOT analyzed for				
4-Chloro-3-methylphenol	9.6E + 04			NOT analyzed for				
4-Chloroaniline	4.1E + 01			NOT analyzed for				
4-Chlorophenyl-phenylether	1.0E + 05			NOT analyzed for				
4-Methyl-2-Pentanone	3.0E + 01			NOT analyzed for				
4-Methylphenol	3.9E + 01			NOT analyzed for				

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Source data[c] Low	High	Samples
4-Nitroaniline	1.0E - 01			NOT analyzed for				
4-Nitrophenol	5.2E + 01			NOT analyzed for				
Acenaphthene	2.0E + 02			NOT analyzed for				
Acenaphthylene	2.1E + 01			NOT analyzed for				
Acetone	4.9E + 01			NOT analyzed for				
Acetonitrile	1.2E + 00			NOT analyzed for				
Acrolein	5.5E - 01			NOT analyzed for				
Acrylonitrile	5.8E - 01			NOT analyzed for				
Anthracene	3.2E + 02			NOT analyzed for				
Aramite	6.7E + 00			NOT analyzed for				
Aroclor-1016	7.7E + 00			NOT analyzed for				
Aroclor-1254	1.3E + 02			NOT analyzed for				
Aroclor-1260	5.0E + 02			NOT analyzed for				
Aroclor-1268	6.2E + 01			NOT analyzed for				
Benzene	2.2E + 02			NOT analyzed for				
Benzidine	1.7E + 01			NOT analyzed for				
Benzo(a)anthracene	2.5E + 02			NOT analyzed for				
Benzo(a)pyrene	1.1E + 02			NOT analyzed for				
Benzo(b)fluoranthene	1.8E + 02			NOT analyzed for				
Benzo(g,h,i)perylene	1.1E + 01			NOT analyzed for				
Benzo(k)fluoranthene	1.9E + 01			NOT analyzed for				
Benzoic acid	8.6E + 00			NOT analyzed for				
bis(2-Chloroethoxy)methane	1.6E + 02			NOT analyzed for				
bis(2-Chloroethyl)ether	1.1E + 01			NOT analyzed for				
bis(2-Chloroisopropyl)ether	1.1E + 01			NOT analyzed for				
bis(2-Ethylhexyl)phthalate	1.5E + 02			NOT analyzed for				
Butane,1,1,3,4-Tetrachloro-	1.0E + 05			NOT analyzed for				
Butylbenzylphthalate	6.8E + 01			NOT analyzed for				
Carbazole	3.2E + 01			NOT analyzed for				
Carbon Disulfide	4.6E + 01			NOT analyzed for				
Chlorobenzene	6.6E + 00			NOT analyzed for				
Chloroethane	1.5E - 01			NOT analyzed for				
Chloromethane	3.5E - 01			NOT analyzed for				
Chrysene	2.7E + 02			NOT analyzed for				
Decane, 3,4-Dimethyl	3.3E + 04			NOT analyzed for				
Diacetone alcohol	1.0E + 05			NOT analyzed for				
Dibenz(a,h)anthracene	1.1E + 01			NOT analyzed for				
Dibenzofuran	3.2E + 02			NOT analyzed for				
Diethylphthalate	1.1E + 01			NOT analyzed for				
Dimethyl Disulfide	3.3E + 04			NOT analyzed for				
Dimethylphthalate	1.1E + 01			NOT analyzed for				

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Source data[c] Low	High	Samples
Di-n-butylphthalate	2.4E + 01			NOT analyzed for				
Di-n-octylphthalate	2.6E + 01			NOT analyzed for				
Eicosane	1.0E + 05			NOT analyzed for				
Ethyl cyanide	3.3E + 04			NOT analyzed for				
Ethylbenzene	7.8E + 01			NOT analyzed for				
Famphur	1.0E + 05			NOT analyzed for				
Fluoranthene	7.6E + 02			NOT analyzed for				
Fluorene	1.8E + 02			NOT analyzed for				
Heptadecane, 2,6,10,15-Tetra	3.3E + 04			NOT analyzed for				
Hexachlorobenzene	1.1E + 01			NOT analyzed for				
Hexachlorobutadiene	2.1E + 01			NOT analyzed for				
Hexachlorocyclopentadiene	1.1E + 01			NOT analyzed for				
Hexachloroethane	1.1E + 01			NOT analyzed for				
Indeno(1,2,3-cd)pyrene	1.1E + 01			NOT analyzed for				
Isobutyl alcohol	1.2E + 00			NOT analyzed for				
Isophorone	1.1E + 01			NOT analyzed for				
Isopropyl Alcohol/2-propanol	1.0E + 05			NOT analyzed for				
Kepone	9.9E + 01			NOT analyzed for				
Mesityl oxide	1.0E + 05			NOT analyzed for				
Methyl Acetate	4.8E - 01			NOT analyzed for				
Methylene Chloride	2.7E + 01			NOT analyzed for				
Naphthalene	4.3E + 02			NOT analyzed for				
Nitrobenzene	1.1E + 01			NOT analyzed for				
N-Nitroso-di-n-propylamine	1.1E + 01			NOT analyzed for				
N-Nitrosodiphenylamine	1.1E + 01			NOT analyzed for				
Octane,2,3,7-Trimethyl	3.3E + 04			NOT analyzed for				
o-Toluenesulfonamide	3.3E + 04			NOT analyzed for				
Pentachlorophenol	5.6E + 01			NOT analyzed for				
Phenanthrene	1.2E + 03			NOT analyzed for				
Phenol	8.0E + 01			NOT analyzed for				
Phenol,2,6-Bis(1,1-Dimethyl)	1.0E + 05			NOT analyzed for				
p-Toluenesulfonamide	3.3E + 04			NOT analyzed for				
Pyrene	2.5E + 02			NOT analyzed for				
RDX	1.0E + 01			NOT analyzed for				
Styrene	6.1E - 02			NOT analyzed for				
Tetrachloroethene	9.6E + 00			NOT analyzed for				
Toluene	3.0E + 01			NOT analyzed for				
Tributylphosphate	4.8E + 02			NOT analyzed for				
Trichloroethene	3.1E + 01			NOT analyzed for				
Trinitrotoluene	1.1E + 01			NOT analyzed for				
Undecane,4,6-Dimethyl-	3.3E + 02			NOT analyzed for				
Xylene (ortho)	3.9E + 00			NOT analyzed for				
Xylene (total)	2.8E + 02			NOT analyzed for				

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Source data[c] Low	High	Samples
Inorganics								
Aluminum	1.6E + 05					2380	4600	11
Antimony	5.8E + 03					.54 U	.57 U	11
Arsenic	5.8E + 01					3.1	5.9	11
Barium	3.0E + 03					48.2	83.3	11
Beryllium	1.8E + 01					.28	.45	11
Boron	3.3E + 03			NOT analyzed for				
Cadmium	3.6E + 03					.22 B	.38 B	11
Calcium	No Limit					11100	31500	11
Chloride	3.3E + 04			NOT analyzed for				
Chlorine				NOT analyzed for				
Chromium	4.1E + 04					7.5	14	11
Cobalt	1.1E + 02					2.7 B	4.4 B	11
Copper	3.0E + 04					7.4	12.8	11
Cyanide	3.4E + 02			NOT analyzed for				
Dysprosium	5.9E + 04			NOT analyzed for				
Fluoride	3.9E + 03			NOT analyzed for				
Fluorine				NOT analyzed for				
Iron	2.4E + 05					5400	9230	11
Lead	5.8E + 04					4.8	8.4	11
Magnesium	1.2E + 05					2080	3630	11
Manganese	4.9E + 03					101	175	11
Mercury	9.5E + 03		*23.0*			.05 U	.1	11
Molybdenum	1.0E + 04			NOT analyzed for				
Nickel	3.5E + 02					9.5	17.1	11
Nitrate	3.9E + 03			NOT analyzed for				
Nitrate/Nitrite-N	**3.3E + 04**			**NOT analyzed for**				
Nitrite	**8.5E + 00**			**NOT analyzed for**				
Phosphate				**NOT analyzed for**				
Phosphorus	No Limit			NOT analyzed for				
Potassium	4.3E + 04					420 B	788 B	11
Selenium	8.5E + 02					.56 U	.8 B	11
Silicon				NOT analyzed for				
Silver	9.8E + 03					.16 U	.28	11
Sodium	3.2E + 03					69.5 B	211 B	11
Strontium	1.8E + 04			NOT analyzed for				
Sulfate	3.3E + 04			NOT analyzed for				
Sulfide	3.3E + 04			NOT analyzed for				
Terbium	No Limit			NOT analyzed for				
Thallium	4.3E + 00					.64 U	.68 U	11
Tin				NOT analyzed for				
Vanadium	4.5E + 02					9.1 B	18.5	11
Ytterbium	No Limit			NOT analyzed for				

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Source data[c] Low	High	Samples
Zinc	2.1E + 05					32	55.5	11
Zirconium	No Limit			NOT analyzed for				
Radionuclides								
Ag108m	8.0E + 05	8.0E + 02		NOT analyzed for				
Am241	1.0E + 07	1.0E + 04	*290.0*			.00	.17	11
Am243	3.3E + 02	3.3E - 01		NOT analyzed for				
Ba137m	No Limit	No Limit		NOT analyzed for				
C14	3.0E + 03	3.0E + 00		NOT analyzed for				
Cd113m	1.6E + 06	1.6E + 03		NOT analyzed for				
Ce144	1.8E + 03	1.8E + 00		Analyzed for but NOT Detected				
Co57	3.7E + 03	3.7E + 00						
Co60	1.9E + 08	1.9E + 05				ND	.09	11
Cs134	1.1E + 07	1.1E + 04				ND	.19	11
Cs137	2.3E + 12	2.3E + 09	23.0			3.81	**114**	11
Eu152	9.7E + 08	9.7E + 05	*270.0*	NOT analyzed for				
Eu154	8.2E + 08	8.2E + 05	*5,200.0*			ND	.48	11
Eu155	1.8E + 08	1.8E + 05		Analyzed for but NOT Detected				
H3	5.0E + 07	5.0E + 04		NOT analyzed for				
I129	3.1E + 03	3.1E + 00		NOT analyzed for				
K40	2.4E + 05	2.4E + 02		NOT analyzed for				
Kr85	No Limit	No Limit		NOT analyzed for				
Np237	6.4E + 05	6.4E + 02				.07	.17	11
Pm147	3.8E + 08	3.8E + 05		NOT analyzed for				
Pu238	1.0E + 07	1.0E + 04	*670.0*			.00	.43	11
Pu239	6.7E + 06	6.7E + 03	250.0			.00	.09	11
Pu240	1.5E + 06	1.5E + 03		NOT analyzed for				
Pu241	6.4E + 07	6.4E + 04	***56,000.0***	NOT analyzed for				
Ra226	4.7E + 05	4.7E + 02		NOT analyzed for				
Ru106	1.2E + 04	1.2E + 01		Analyzed for but NOT Detected				
Sb125	9.3E + 06	9.3E + 03		NOT analyzed for				
Sm151	3.4E + 08	3.4E + 05		NOT analyzed for				
Sr90	3.5E + 12	3.5E + 09	*223.0*			6.6	**330**	11
Tc99	5.8E + 06	5.8E + 03				.9	2.2	11
Tc125m	2.3E + 06	2.3E + 03		NOT analyzed for				
Th228	1.6E + 04	1.6E + 01		NOT analyzed for				
Th230	1.4E + 04	1.4E + 01		NOT analyzed for				
Th232	1.7E + 04	1.7E + 01		NOT analyzed for				
U233	2.6E + 01	2.6E - 02		NOT analyzed for				

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Source data[c] Low	High	Samples
U234	6.0E + 06	6.0E + 03			.5		1	11
U235	1.1E + 05	1.1E + 02			.0		.09	11
U236	2.0E + 05	2.0E + 02		NOT analyzed for				
U238	2.0E + 06	2.0E + 03			.6		1	11
Y90	2.3E + 10	2.3E + 07		NOT analyzed for				

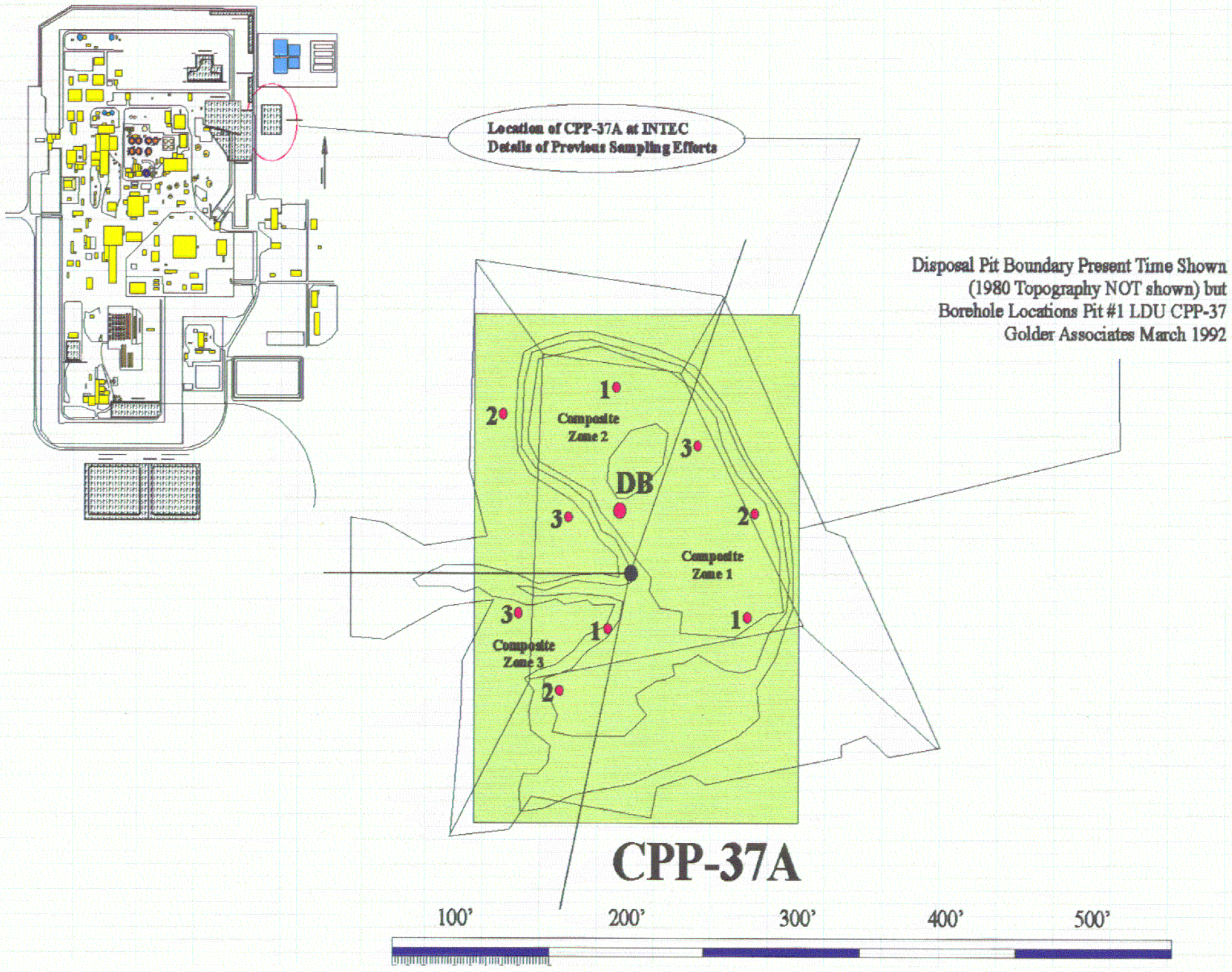
NOTE: Boxed, bolded, larger font size indicates sample result greater than associated RG

a. DOE/ID-10865, Revision 2, Waste Acceptance Criteria for ICDF Landfill
b. DOE/ID-10660, Revision 0, Final Record of Decision, Idaho Nuclear Technology and Engineering Center
c. Sample data from Barringer Laboratories, August 1995
B - Sample result is greater than the instrument detection limit, but less than the contract required detection limit
J - The sample concentration reported is an estimated value as a result of data validation.
U - Analyte was not detected in the sample, concentration reported is the sample detection limit.

CPP-37A

Existing Data Summary

Sampling Map - Site CPP-37A



OU 3-13, Group 3, Other Surface Soils, Remediation Set 3, Phase 1 - Site CPP-37A

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Source data[c] CPP-37P1-01 0-0.5	1-2	5-6	CPP-37P1-02 0-0.5	1-2	5-6	CPP-37P1-03 0-0.5	1-2	5-6	Composites Range CPP-37P1-C2, C3, C4, C5, C6, C7, C8 0-0.5	1-2	5-6	CPP-37P1-DBH or Composites 5	10	15	20
Organics																					
1,1,1-Trichloroethane	1.6E + 01							.005 J													
1,1,2,2-Tetrachloroethane	5.0E - 02			NOT analyzed for																	
1,1,2-Trichloroethane	2.4E - 01			NOT analyzed for																	
1,1-Dichloroethane	2.3E + 00			NOT analyzed for																	
1,1-Dichloroethene	1.5E + 00			NOT analyzed for																	
1,2,4-Trichlorobenzene	1.1E + 01			NOT analyzed for																	
1,2-Dichlorobenzene	1.1E + 01			NOT analyzed for																	
1,2-Dichloroethane	5.4E - 03			NOT analyzed for																	
1,2-Dichloroethene (total)	3.2E - 01			NOT analyzed for																	
1,3-Dichlorobenzene	1.1E + 01			NOT analyzed for																	
1,4-Dichlorobenzene	4.4E + 01			NOT analyzed for																	
1,4-Dioxane	1.9E - 02			NOT analyzed for																	
2,4,5-Trichlorophenol	4.5E + 01			NOT analyzed for																	
2,4,6-Trichlorophenol	1.8E + 01			NOT analyzed for																	
2,4-Dichlorophenol	2.2E + 01			NOT analyzed for																	
2,4-Dimethylphenol	1.8E + 01			NOT analyzed for																	
2,4-Dinitrophenol	5.1E + 01			NOT analyzed for																	
2,4-Dinitrotoluene	1.1E + 01			NOT analyzed for																	
2,6-Dinitrotoluene	2.1E + 01			NOT analyzed for																	
2-Butanone	2.5E + 01			NOT analyzed for																	
2-Chloronaphthalene	1.1E + 01			NOT analyzed for																	
2-Chlorophenol	1.8E + 01			NOT analyzed for																	
2-Hexanone	2.7E + 00			NOT analyzed for																	
2-Methylnaphthalene	5.1E + 02			NOT analyzed for																	
2-Methylphenol	2.1E + 01			NOT analyzed for																	
2-Nitroaniline	1.0E - 01			NOT analyzed for																	
2-Nitrophenol	1.8E + 01			NOT analyzed for																	
3,3-Dichlorobenzidine	1.1E + 01			NOT analyzed for																	
3-Methyl Butanal	3.3E + 04			NOT analyzed for																	
3-Nitroaniline	1.0E - 01			NOT analyzed for																	
4,6-Dinitro-2-methylphenol	4.5E + 01			NOT analyzed for																	
4-Bromophenyl-phenylether	8.5E + 04			NOT analyzed for																	
4-Chloro-3-methylphenol	9.6E + 04			NOT analyzed for																	
4-Chloroaniline	4.1E + 01			NOT analyzed for																	
4-Chlorophenyl-phenylether	1.0E + 05			NOT analyzed for																	
4-Methyl-2-Pentanone	3.0E + 01			NOT analyzed for																	
4-Methylphenol	3.9E + 01			NOT analyzed for																	

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Source data[c] CPP-37P1-01 0-0.5	1-2	5-6	CPP-37P1-02 0-0.5	1-2	5-6	CPP-37P1-03 0-0.5	1-2	5-6	Composites Range CPP-37P1-C2, C3, C4, C5, C6, C7, C8 0-0.5	1-2	5-6	CPP-37P1-DBH or Composites 5	10	15	20
4-Nitroaniline	1.0E - 01			NOT analyzed for																	
4-Nitrophenol	5.2E + 01			NOT analyzed for																	
Acenaphthene	2.0E + 02			NOT analyzed for																	
Acenaphthylene	2.1E + 01			NOT analyzed for																	
Acetone	4.9E + 01			NOT analyzed for																	
Acetonitrile	1.2E + 00			NOT analyzed for																	
Acrolein	5.5E - 01			NOT analyzed for																	
Acrylonitrile	5.8E - 01			NOT analyzed for																	
Anthracene	3.2E + 02			NOT analyzed for																	
Aramite	6.7E + 00			NOT analyzed for																	
Aroclor-1016	7.7E + 00			NOT analyzed for																	
Aroclor-1254	1.3E + 02			NOT analyzed for																	
Aroclor-1260	5.0E + 02			NOT analyzed for																	
Aroclor-1268	6.2E + 01			NOT analyzed for																	
Benzene	2.2E + 02			NOT analyzed for																	
Benzidine	1.7E + 01			NOT analyzed for																	
Benzo(a)anthracene	2.5E + 02			NOT analyzed for																	
Benzo(a)pyrene	1.1E + 02			NOT analyzed for																	
Benzo(b)fluoranthene	1.8E + 02			NOT analyzed for																	
Benzo(g,h,i)perylene	1.1E + 01			NOT analyzed for																	
Benzo(k)fluoranthene	1.9E + 01			NOT analyzed for																	
Benzoic acid	8.6E + 00			NOT analyzed for																	
bis(2-Chloroethoxy)methane	1.6E + 02			NOT analyzed for																	
bis(2-Chloroethyl)ether	1.1E + 01			NOT analyzed for																	
bis(2-Chloroisopropyl)ether	1.1E + 01			NOT analyzed for																	
bis(2-Ethylhexyl)phthalate	1.5E + 02			NOT analyzed for																	
Butane,1,1,3,4-Tetrachloro-	1.0E + 05			NOT analyzed for																	
Butylbenzylphthalate	6.8E + 01			NOT analyzed for																	
Carbazole	3.2E + 01			NOT analyzed for																	
Carbon Disulfide	4.6E + 01			NOT analyzed for																	
Chlorobenzene	6.6E + 00			NOT analyzed for																	
Chloroethane	1.5E - 01			NOT analyzed for																	
Chloromethane	3.5E - 01			NOT analyzed for																	
Chrysene	2.7E + 02			NOT analyzed for																	
Decane, 3,4-Dimethyl	3.3E + 04			NOT analyzed for																	
Diacetone alcohol	1.0E + 05			NOT analyzed for																	
Dibenz(a,h)anthracene	1.1E + 01			NOT analyzed for																	
Dibenzofuran	3.2E + 02			NOT analyzed for																	
Diethylphthalate	1.1E + 01			NOT analyzed for																	
Dimethyl Disulfide	3.3E + 04			NOT analyzed for																	

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Source data[c] CPP-37P1-01 0-0.5	1-2	5-6	CPP-37P1-02 0-0.5	1-2	5-6	CPP-37P1-03 0-0.5	1-2	5-6	Composites Range CPP-37P1-C2, C3, C4, C5, C6, C7, C8 0-0.5	1-2	5-6	CPP-37P1-DBH or Composites 5	10	15	20
Dimethylphthalate	1.1E + 01			NOT analyzed for																	
Di-n-butylphthalate	2.4E + 01			NOT analyzed for																	
Di-n-octylphthalate	2.6E + 01			NOT analyzed for																	
Eicosane	1.0E + 05			NOT analyzed for																	
Ethyl cyanide	3.3E + 04			NOT analyzed for																	
Ethylbenzene	7.8E + 01			NOT analyzed for																	
Famphur	1.0E + 05			NOT analyzed for																	
Fluoranthene	7.6E + 02			NOT analyzed for																	
Fluorene	1.8E + 02			NOT analyzed for																	
Heptadecane, 2,6,10,15-Tetra	3.3E + 04			NOT analyzed for																	
Hexachlorobenzene	1.1E + 01			NOT analyzed for																	
Hexachlorobutadiene	2.1E + 01			NOT analyzed for																	
Hexachlorocyclopentadiene	1.1E + 01			NOT analyzed for																	
Hexachloroethane	1.1E + 01			NOT analyzed for																	
Indeno(1,2,3-cd)pyrene	1.1E + 01			NOT analyzed for																	
Isobutyl alcohol	1.2E + 00			NOT analyzed for																	
Isophorone	1.1E + 01			NOT analyzed for																	
Isopropyl Alcohol/2-propanol	1.0E + 05			NOT analyzed for																	
Kepone	9.9E + 01			NOT analyzed for																	
Mesityl oxide	1.0E + 05			NOT analyzed for																	
Methyl Acetate	4.8E - 01			NOT analyzed for																	
Methylene Chloride	2.7E + 01					0.14	0.047			0.095										0.075	
Naphthalene	4.3E + 02			NOT analyzed for																	
Nitrobenzene	1.1E + 01			NOT analyzed for																	
N-Nitroso-di-n-propylamine	1.1E + 01			NOT analyzed for																	
N-Nitrosodiphenylamine	1.1E + 01			NOT analyzed for																	
Octane,2,3,7-Trimethyl	3.3E + 04			NOT analyzed for																	
o-Toluenesulfonamide	3.3E + 04			NOT analyzed for																	
Pentachlorophenol	5.6E + 01			NOT analyzed for																	
Phenanthrene	1.2E + 03			NOT analyzed for																	
Phenol	8.0E + 01			NOT analyzed for																	
Phenol,2,6-Bis(1,1-Dimethyl)	1.0E + 05			NOT analyzed for																	
p-Toluenesulfonamide	3.3E + 04			NOT analyzed for																	
Pyrene	2.5E + 02			NOT analyzed for																	
RDX	1.0E + 01			NOT analyzed for																	
Styrene	6.1E - 02			NOT analyzed for																	
Tetrachloroethene	9.6E + 00			NOT analyzed for																	
Toluene	3.0E + 01					.001 J															
Tributylphosphate	4.8E + 02			NOT analyzed for																	
Trichloroethene	3.1E + 01			NOT analyzed for																	

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Source data[c] CPP-37P1-01 0-0.5	1-2	5-6	CPP-37P1-02 0-0.5	1-2	5-6	CPP-37P1-03 0-0.5	1-2	5-6	Composites Range CPP-37P1-C2, C3, C4, C5, C6, C7, C8 0-0.5	1-2	5-6	CPP-37P1-DBH or Composites 5	10	15	20
Trinitrotoluene	1.1E + 01			NOT analyzed for																	
Undecane,4,6-Dimethyl-	3.3E + 02			NOT analyzed for																	
Xylene (ortho)	3.9E + 00			NOT analyzed for																	
Xylene (total)	2.8E + 02			NOT analyzed for																	
Inorganics																					
Aluminum	1.6E + 05			NOT analyzed for																	
Antimony	5.8E + 03			NOT analyzed for																	
Arsenic	5.8E + 01					6	4.9	6	7.3 BJ	5.9	5.5	4.1	5	5	4.1-7.3 BJ	4.9-5.9	5.0-6.3	4.4	5.9	6.6	8.7
Barium	3.0E + 03					200 J	142 J	110 J	80.2	136 J	78.2	202	103	96.5	121			79.5	108	131	229
Beryllium	1.8E + 01			NOT analyzed for																	
Boron	3.3E + 03			NOT analyzed for																	
Cadmium	3.6E + 03					1.5	.01 B	.35 B	0.61	1	0.39	1	0.83	0.63	0.79			0.57	0.73	0.87	1.5
Calcium	No Limit			NOT analyzed for																	
Chloride	3.3E + 04			NOT analyzed for																	
Chlorine				NOT analyzed for																	
Chromium	4.1E + 04					23.5	16.2	12	15.5	18.8	10.2	30.1	18.7	14.9	18.6			14.1	22.7	20.7	26.8
Cobalt	1.1E + 02			NOT analyzed for																	
Copper	3.0E + 04			NOT analyzed for																	
Cyanide	3.4E + 02			NOT analyzed for																	
Dysprosium	5.9E + 04			NOT analyzed for																	
Fluoride	3.9E + 03			NOT analyzed for																	
Fluorine				NOT analyzed for																	
Iron	2.4E + 05			NOT analyzed for																	
Lead	5.8E + 04					14.7	9.6	7.3	8.1	13.6	8.7	15.1	8.7	8.5	8.1-15.1	8.7-13.6	8.5-10.4	7.1	7.7	17.7	16.8
Magnesium	1.2E + 05			NOT analyzed for																	
Manganese	4.9E + 03			NOT analyzed for																	
Mercury	9.5E + 03		***23.0***			0.96	0.09 J	0.1 UJ	0.09 UJ	0.89	0.1 UJ	0.09 UJ	0.31 J	0.12 J				0.09 UJ	0.09 UJ	0.09 UJ	0.1 UJ
Molybdenum	1.0E + 04			NOT analyzed for																	
Nickel	3.5E + 02			NOT analyzed for																	
Nitrate	3.9E + 03			NOT analyzed for																	
Nitrate/Nitrite-N	3.3E + 04			NOT analyzed for																	
Nitrite	8.5E + 00			NOT analyzed for																	
Phosphate				NOT analyzed for																	
Phosphorus	No Limit			NOT analyzed for																	
Potassium	4.3E + 04			NOT analyzed for																	
Selenium	8.5E + 02					.21 BJ	.2 BJ	.21 BJ	.2 BJ	.2 BJ	.21 B	.2 B	.2 B	.2 B	.2 B			.4 B	.41 B	.21 B	.21 B
Silicon				**NOT analyzed for**																	

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Source data[c] CPP-37P1-01 0-0.5	1-2	5-6	CPP-37P1-02 0-0.5	1-2	5-6	CPP-37P1-03 0-0.5	1-2	5-6	Composites Range CPP-37P1-C2, C3, C4, C5, C6, C7, C8 0-0.5	1-2	5-6	CPP-37P1-DBH or Composites 5	10	15	20
Silver	9.8E + 03					.4 U	.41 U	.4 U	.4 U	.39 U	.42 U	.41 U	.41 U	.4 U	.41 U			.41 U	.41 U	.43 U	.46 U
Sodium	3.2E + 03			NOT analyzed for																	
Strontium	**1.8E + 04**			**NOT analyzed for**																	
Sulfate	**3.3E + 04**			**NOT analyzed for**																	
Sulfide	**3.3E + 04**			**NOT analyzed for**																	
Terbium	**No Limit**			**NOT analyzed for**																	
Thallium	**4.3E + 00**			**NOT analyzed for**																	
Tin				**NOT analyzed for**																	
Vanadium	**4.5E + 02**			**NOT analyzed for**																	
Ytterbium	**No Limit**			**NOT analyzed for**																	
Zinc	**2.1E + 05**			**NOT analyzed for**																	
Zirconium	**No Limit**			**NOT analyzed for**																	
Radionuclides																					
Ag108m	8.0E + 05	8.0E + 02		NOT analyzed for																	
Am241	1.0E + 07	1.0E + 04	***290.0***			0.05 U	0.23+/- 0.10	0.44+/- 0.21	0.52+/- 0.32	0.05 U	0.27+/- 0.12	0.05 U	0.54+/- 0.31	0.34+/- 0.19				No Sample	0.99+/- 0.65	0.05 U	0.05 U
Am243	3.3E + 02	3.3E - 01		NOT analyzed for																	
Ba137m	No Limit	No Limit		NOT analyzed for																	
C14	3.0E + 03	3.0E + 00		NOT analyzed for																	
Cd113m	1.6E + 06	1.6E + 03		NOT analyzed for																	
Ce144	1.8E + 03	1.8E + 00				.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U				.05 U	.05 U	.05 U	
Co57	3.7E + 03	3.7E + 00		NOT analyzed for																	
Co60	1.9E + 08	1.9E + 05				.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	0.07 U	0.07 U	0.07U		0.07 U	0.07 U	0.55+/- 0.12
Cs134	1.1E + 07	1.1E + 04				.08 U	.08 U	.08 U	.08 U	.08 U	.08 U	.08 U	.08 U	.08 U				.08 U	.08 U	.08 U	
Cs137	2.3E + 12	2.3E + 09	***23.0***			0.06 U	0.60+/- 0.12	3.82+/- 0.23	0.14+/- 0.07	2.31+/- 0.16	0.06 U	1.28+/- 0.95	1.11+/- 0.15	0.41+/- 0.10				No Sample	0.06 U	0.06 U	0..23+/- 0.09
Eu152	9.7E + 08	9.7E + 05	***270.0***	NOT analyzed for																	
Eu154	8.2E + 08	8.2E + 05	***5,200.0***	NOT analyzed for																	
Eu155	1.8E + 08	1.8E + 05		NOT analyzed for																	
H3	5.0E + 07	5.0E + 04		NOT analyzed for																	
I129	**3.1E + 03**	3.1E + 00				.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U				.5 U	.5 U	.5 U	
K40	2.4E + 05	2.4E + 02		NOT analyzed for																	
Kr85	No Limit	No Limit		NOT analyzed for																	
Np237	6.4E + 05	6.4E + 02				0.32+/- 0.26	0.58+/- 0.24	0.58+/- 0.12	0.54+/- 0.27	0.76+/- 0.28	0.39+/- 0.24	0.3 U	0.48+/- 0.30	0.96+/- 0.45				No Sample	1.07+/- 0.11	0.98+/- 0.55	0.4 U
Pm147	3.8E + 08	3.8E + 05		NOT analyzed for																	

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Source data[c] CPP-37P1-01 0-0.5	1-2	5-6	CPP-37P1-02 0-0.5	1-2	5-6	CPP-37P1-03 0-0.5	1-2	5-6	Composites Range CPP-37P1-C2, C3, C4, C5, C6, C7, C8 0-0.5	1-2	5-6	CPP-37P1-DBH or Composites 5	10	15	20
Pu238	1.0E + 07	1.0E + 04	***670.0***			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.12+/- 0.04	0.05 U	0.05 U	0.05 U				No Sample	0.10+/- 0.04	0.05 U	0.05 U
Pu239	6.7E + 06	6.7E + 03	***250.0***			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U				0.05 U	0.05 U	0.05 U	
Pu240	1.5E + 06	1.5E + 03		NOT analyzed for																	
Pu241	6.4E + 07	6.4E + 04	***56,000.0***	NOT analyzed for																	
Ra226	4.7E + 05	4.7E + 02		NOT analyzed for																	
Ru106	1.2E + 04	1.2E + 01				.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U			No Value	.07 U	.07 U	.07 U
Sb125	9.3E + 06	9.3E + 03				.03 U	.03 U	.03 U	.03 U	.03 U	.03 U	.03 U	.03 U	.03 U				.03 U	.03 U	.03 U	
Sm151	3.4E + 08	3.4E + 05		NOT analyzed for																	
Sr90	3.5E + 12	3.5E + 09	***223.0***			0.36+/- 0.70	0.17+/- 0.16	0.21+/- 0.08	0.40+/- 0.18	0.54+/- 0.20	0.08 U	0.69+/- 0.12	0.31+/- 0.10	0.22+/- 0.09				No Sample	0.43+/- 0.10	0.08 U	0.09 U
Tc99	5.8E + 06	5.8E + 03		NOT analyzed for																	
Tc125m	2.3E + 06	2.3E + 03		NOT analyzed for																	
Th228	1.6E + 04	1.6E + 01		NOT analyzed for																	
Th230	1.4E + 04	1.4E + 01		NOT analyzed for																	
Th232	1.7E + 04	1.7E + 01		NOT analyzed for																	
U233	2.6E + 01	2.6E - 02		NOT analyzed for																	
U234	6.0E + 06	6.0E + 03				0.36	0.25	.05 U	0.33	0.24	0.26	0.47	0.44	0.37	0.71			No Value	0.22	0.41	0.29
U235	1.1E + 05	1.1E + 02				.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U			No Value	.05 U	.05 U	.05 U
U236	2.0E + 05	2.0E + 02		**NOT analyzed for**																	
U238	2.0E + 06	2.0E + 03				0.32	0.65	0.07	0.58	0.41	0.27	0.54	0.59	0.42	3.99			No Value	0.87	0.46	0.28
Y90	2.3E + 10	2.3E + 07		NOT analyzed for																	

NOTE: Boxed, bolded, larger font size indicates sample result greater than associated RG

a. DOE/ID-10865, Revision 2, Waste Acceptance Criteria for ICDF Landfill

b. DOE/ID-10660, Revision 0, Final Record of Decision, Idaho Nuclear Technology and Engineering Center

c. DOE/ID-10534, November 1997, Comprehensive RI/FS for the ICPP OU 3-13 at the INEEL - Part A, RI/BRA Report (FINAL), Binder 3 of 3, Appendix G - Soil Sample Results 'C90-132739, Task 16, March 1992, Report for the Idaho Chemical Processing Plant Drilling and Sampling Program at Land Disposal Unit CPP-37, Golder Associates, Inc.

B - Sample result is greater than the instrument detection limit, but less than the contract required detection limit.

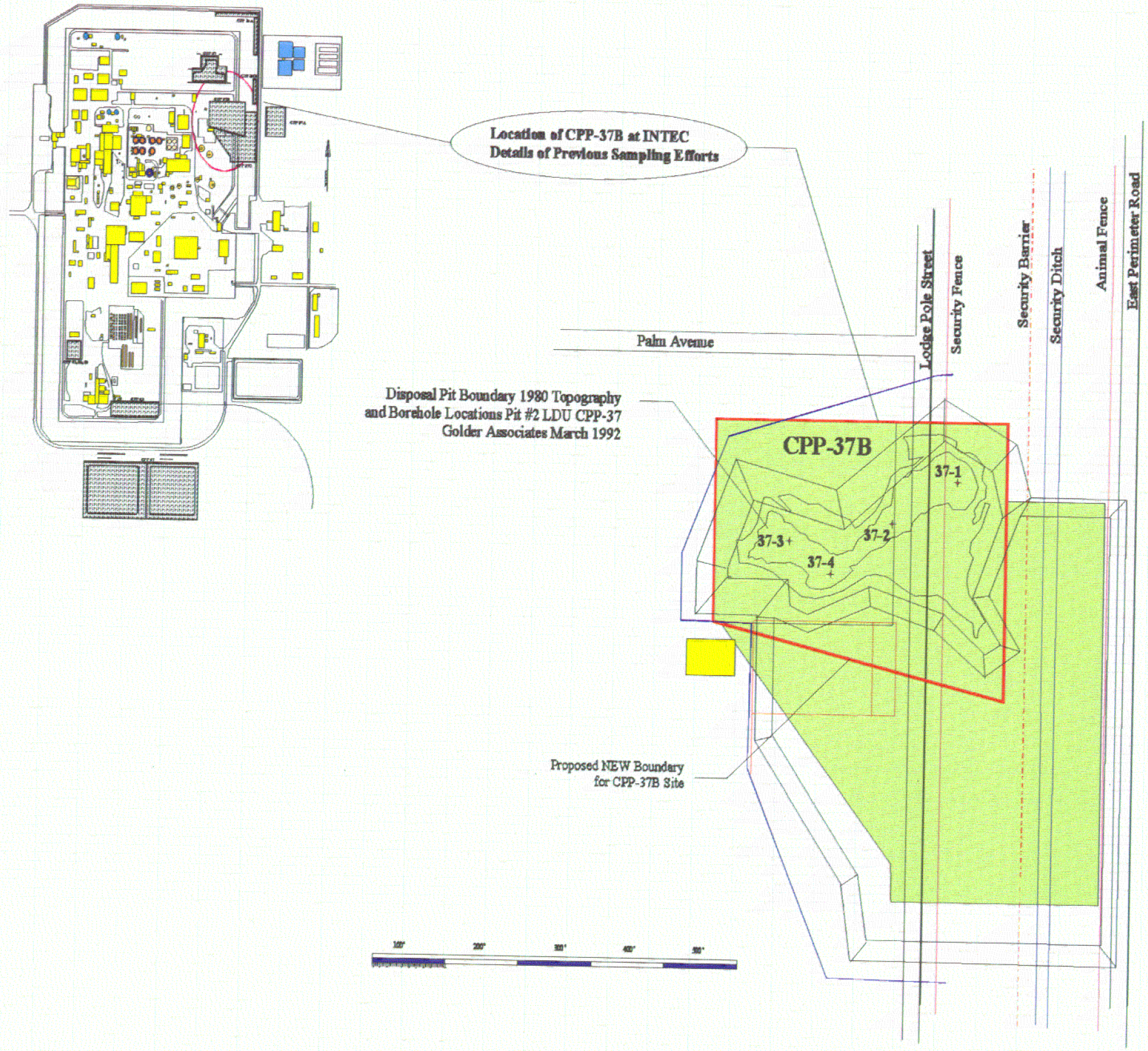
'J - The sample concentration reported is an estimated value as a result of data validation.

U - Analyte was not detected in the sample, concentration reported is the sample detection limit.

CPP-37B

Existing Data Summary

Sampling Map - Site CPP-37B



OU 3-13, Group 3, Other Surface Soils, Remediation Set 3, Phase 1 - Site CPP-37B

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Source data[c] CPP-37-01 5	11	15	20	25	30	33	CPP-37-02 5	10	15	20	25	30	33	CPP-37-03 5	10	15	20	25	30	33	CPP-37-04 5	10	15	20	25	30	33	109
Organics																																		
1,1,1-Trichloroethane	1.6E + 01			NOT analyzed for																														
1,1,2,2-Tetrachloroethane	5.0E - 02			NOT analyzed for																														
1,1,2-Trichloroethane	2.4E - 01			NOT analyzed for																														
1,1-Dichloroethane	2.3E + 00			NOT analyzed for																														
1,1-Dichloroethene	1.5E + 00			NOT analyzed for																														
1,2,4-Trichlorobenzene	1.1E + 01			NOT analyzed for																														
1,2-Dichlorobenzene	1.1E + 01			NOT analyzed for																														
1,2-Dichloroethane	5.4E - 03			NOT analyzed for																														
1,2-Dichloroethene (total)	3.2E - 01			NOT analyzed for																														
1,3-Dichlorobenzene	1.1E + 01			NOT analyzed for																														
1,4-Dichlorobenzene	4.4E + 01			NOT analyzed for																														
1,4-Dioxane	1.9E - 02			NOT analyzed for																														
2,4,5-Trichlorophenol	4.5E + 01			NOT analyzed for																														
2,4,6-Trichlorophenol	1.8E + 01			NOT analyzed for																														
2,4-Dichlorophenol	2.2E + 01			NOT analyzed for																														
2,4-Dimethylphenol	1.8E + 01			NOT analyzed for																														
2,4-Dinitrophenol	5.1E + 01			NOT analyzed for																														
2,4-Dinitrotoluene	1.1E + 01			NOT analyzed for																														
2,6-Dinitrotoluene	2.1E + 01			NOT analyzed for																														
2-Butanone	2.5E + 01			NOT analyzed for																														
2-Chloronaphthalene	1.1E + 01			NOT analyzed for																														
2-Chlorophenol	1.8E + 01			NOT analyzed for																														
2-Hexanone	2.7E + 00			NOT analyzed for																														
2-Methylnaphthalene	5.1E + 02			NOT analyzed for																														
2-Methylphenol	2.1E + 01			NOT analyzed for																														
2-Nitroaniline	1.0E - 01			NOT analyzed for																														
2-Nitrophenol	1.8E + 01			NOT analyzed for																														
3,3-Dichlorobenzidine	1.1E + 01			NOT analyzed for																														
3-Methyl Butanal	3.3E + 04			NOT analyzed for																														
3-Nitroaniline	1.0E - 01			NOT analyzed for																														
4,6-Dinitro-2-methylphenol	4.5E + 01			NOT analyzed for																														
4-Bromophenyl-phenylether	8.5E + 04			NOT analyzed for																														
4-Chloro-3-methylphenol	9.6E + 04			NOT analyzed for																														
4-Chloroaniline	4.1E + 01			NOT analyzed for																														
4-Chlorophenyl-phenylether	1.0E + 05			NOT analyzed for																														
4-Methyl-2-Pentanone	3.0E + 01			NOT analyzed for																														
4-Methylphenol	3.9E + 01			NOT analyzed for																														
4-Nitroaniline	1.0E - 01			NOT analyzed for																														
4-Nitrophenol	5.2E + 01			NOT analyzed for																														

				Source data[c]																												
				CPP-37-01							CPP-37-02							CPP-37-03							CPP-37-04							
Constituent	Selected WAC Concentration Guideline[a] (mg/kg or [illegible])	Remediation Goals (RGs) from ROD[b] (mg/kg or [illegible])	Unknown Locations (concentration range) Low	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	10	15	20	25	30	33	109
[illegible]	[illegible]																			[illegible]												
Acenaphthylene	2.1E + 01		NOT analyzed for																													
Acetone	4.9E + 01		NOT analyzed for																													
Acetonitrile	1.2E + 00		NOT analyzed for																													
Acrolein	5.5E - 01		NOT analyzed for																													
Acrylonitrile	5.8E - 01		NOT analyzed for																													
Anthracene	3.2E + 02																			0.35												
Aramite	6.7E + 00		NOT analyzed for																													
Aroclor-1016	7.7E + 00		NOT analyzed for																													
Aroclor-1254	1.3E + 02																			0.23												
Aroclor-1260	5.0E + 02																			0.42								0.42				
Aroclor-1268	6.2E + 01		NOT analyzed for																													
Benzene	2.2E + 02		NOT analyzed for																													
Benzidine	1.7E + 01		NOT analyzed for																													
Benzo(a)anthracene	2.5E + 02																			.072 J												
Benzo(a)pyrene	1.1E + 02		NOT analyzed for																													
Benzo(b)fluoranthene	1.8E + 02		NOT analyzed for																													
Benzo(g,h,i)perylene	1.1E + 01		NOT analyzed for																													
Benzo(k)fluoranthene	1.9E + 01		NOT analyzed for																													
Benzoic acid	8.6E + 00		NOT analyzed for																													
bis(2-Chloroethoxy)methane	1.6E + 02		NOT analyzed for																													
bis(2-Chloroethyl)ether	1.1E + 01		NOT analyzed for																													
bis(2-Chloroisopropyl)ether	1.1E + 01		NOT analyzed for																													
bis(2-Ethylhexyl)phthalate	1.5E + 02																											.24 J				
Butane,1,1,3,4-Tetrachloro-	1.0E + 05		NOT analyzed for																													
Butylbenzylphthalate	6.8E + 01		NOT analyzed for																													
Carbazole	3.2E + 01		NOT analyzed for																													
Carbon Disulfide	4.6E + 01		NOT analyzed for																													
Chlorobenzene	6.6E + 00		NOT analyzed for																													
Chloroethane	1.5E - 01		NOT analyzed for																													
Chloromethane	3.5E - 01		NOT analyzed for																													
Chrysene	2.7E + 02																			.11 J												
Decane, 3,4-Dimethyl	3.3E + 04		NOT analyzed for																													
Diacetone alcohol	1.0E + 05		NOT analyzed for																													
Dibenz(a,h)anthracene	1.1E + 01		NOT analyzed for																													
Dibenzofuran	3.2E + 02		NOT analyzed for																													
Diethylphthalate	1.1E + 01		NOT analyzed for																													
Dimethyl Disulfide	3.3E + 04		NOT analyzed for																													
Dimethylphthalate	1.1E + 01		NOT analyzed for																													
Di-n-butylphthalate	2.4E + 01		NOT analyzed for																													
Di-n-octylphthalate	2.6E + 01		NOT analyzed for																													
Eicosane	1.0E + 05		NOT analyzed for																													

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Source data[c] CPP-37-01 5	11	15	20	25	30	33	CPP-37-02 5	10	15	20	25	30	33	CPP-37-03 5	10	15	20	25	30	33	CPP-37-04 5	10	15	20	25	30	33	109
Ethyl cyanide	3.3E + 04			NOT analyzed for																														
Ethylbenzene	7.8E + 01			NOT analyzed for																														
[illegible]	[illegible]			NOT analyzed f[illegible]																														
[illegible]	[illegible]																					[illegible]												
[illegible]	[illegible]																					[illegible]												
Heptadecane, 2,6,10,15-Tetra	3.3E + 04			NOT analyzed for																														
Hexachlorobenzene	1.1E + 01			NOT analyzed for																														
Hexachlorobutadiene	2.1E + 01			NOT analyzed for																														
Hexachlorocyclopentadiene	1.1E + 01			NOT analyzed for																														
Hexachloroethane	1.1E + 01			NOT analyzed for																														
Indeno(1,2,3-cd)pyrene	1.1E + 01			NOT analyzed for																														
Isobutyl alcohol	1.2E + 00			NOT analyzed for																														
Isophorone	1.1E + 01			NOT analyzed for																														
Isopropyl Alcohol/2-propanol	1.0E + 05			NOT analyzed for																														
Kepone	9.9E + 01			0.40												.07 J																		
Mesityl oxide	1.0E + 05			NOT analyzed for																														
Methyl Acetate	4.8E - 01			NOT analyzed for																														
Methylene Chloride	2.7E + 01												0.086	.069 B	0.25	0.29											0.035	0.047	0.065					
Naphthalene	4.3E + 02			NOT analyzed for																														
Nitrobenzene	1.1E + 01			NOT analyzed for																														
N-Nitroso-di-n-propylamine	1.1E + 01			NOT analyzed for																														
N-Nitrosodiphenylamine	1.1E + 01			NOT analyzed for																														
Octane,2,3,7-Trimethyl	3.3E + 04			NOT analyzed for																														
o-Toluenesulfonamide	3.3E + 04			NOT analyzed for																														
Pentachlorophenol	5.6E + 01			NOT analyzed for																														
Phenanthrene	1.2E + 03																					0.4												
Phenol	8.0E + 01			NOT analyzed for																														
Phenol,2,6-Bis(1,1-Dimethyl)	1.0E + 05			NOT analyzed for																														
p-Toluenesulfonamide	3.3E + 04																																	
Pyrene	2.5E + 02																					.21 J												
RDX	1.0E + 01			NOT analyzed for																														
Styrene	6.1E - 02			NOT analyzed for																														
Tetrachloroethene	9.6E + 00			NOT analyzed for																														
Toluene	3.0E + 01			NOT analyzed for																														
Tributylphosphate	4.8E + 02			NOT analyzed for																														
Trichloroethene	3.1E + 01			NOT analyzed for																														
Trinitrotoluene	1.1E + 01			NOT analyzed for																														
Undecane,4,6-Dimethyl-	3.3E + 02			NOT analyzed for																														
Xylene (ortho)	3.9E + 00			NOT analyzed for																														
Xylene (total)	2.8E + 02			NOT analyzed for																														

Constituent[a]	Selected WAC Concentration Guideline[c] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Source data[c] CPP-37-01 5	11	15	20	25	30	33
Inorganics												
Aluminum	1.6E + 05			NOT analyzed for								
Antimony	5.8E + 03			NOT analyzed for								
Arsenic	5.8E + 01					3.9 J	4.2 J	4.5 J	5.4 J	5.5 J	4.8 J	
Barium	3.0E + 03					113	146	170	76.3	108	74.6	
Beryllium	1.8E + 01			NOT analyzed for								
Boron	3.3E + 03			NOT analyzed for								
Cadmium	3.6E + 03					1.1	1.4	1.7	.82 B	.9 B	0.87	
Calcium	No Limit			NOT analyzed for								
Chloride	3.3E + 04			NOT analyzed for								
Chlorine				NOT analyzed for								
Chromium	4.1E + 04			42.6								
Cobalt	1.1E + 02			NOT analyzed for								
Copper	3.0E + 04			NOT analyzed for								
Cyanide	3.4E + 02			NOT analyzed for								
Dysprosium	5.9E + 04			NOT analyzed for								
Fluoride	3.9E + 03			NOT analyzed for								
Fluorine				NOT analyzed for								
Iron	2.4E + 05			NOT analyzed for								
Lead	5.8E + 04					20.3 J	11.8 J	14.7 J	12.0 J	7.2	7.6 J	
Magnesium	1.2E + 05			NOT analyzed for								
Manganese	4.9E + 03			NOT analyzed for								
Mercury	9.5E + 03		23.0			.11 U	.1 U	.11 U	.11 U	.09 UJ	.09 U	
Molybdenum	1.0E + 04			NOT analyzed for								
Nickel	3.5E + 02			NOT analyzed for								
Nitrate	3.9E + 03			NOT analyzed for								
Nitrate/Nitrite-N	3.3E + 04			NOT analyzed for								
Nitrite	8.5E + 00			NOT analyzed for								
Phosphate				NOT analyzed for								
Phosphorus	No Limit			NOT analyzed for								
Potassium	4.3E + 04			NOT analyzed for								
Selenium	8.5E + 02					.21 B	.21 B	.22 B	.41 B	.42 BJ	.2 B	
Silicon				NOT analyzed for								
Silver	9.8E + 03				Range - Not Location Specific	.41 U	.42 U	.46 U	.41 U	.42 U	.41 U	
Sodium	3.2E + 03			NOT analyzed for								
Strontium	1.8E + 04			NOT analyzed for								
Sulfate	3.3E + 04			NOT analyzed for								
Sulfide	3.3E + 04			NOT analyzed for								

Constituent[a]	CPP-37-02 5	10	15	20	25	30	33
Inorganics							
Aluminum							
Antimony							
Arsenic	4.6	4.1	3.5	4.3	6.6	1.2 B-4.9	
Barium	128	68.4	193	155	73.1	84.1	134
Beryllium							
Boron							
Cadmium	2 B	.72 B	1.8	1.4	.62 B	.88 B	1.1
Calcium							
Chloride							
Chlorine							
Chromium							
Cobalt							
Copper							
Cyanide							
Dysprosium							
Fluoride							
Fluorine							
Iron							
Lead	10.1 J	6.6 J	11.5 J	10.7 J	6.6 J	1.9 J	6.3 J
Magnesium							
Manganese							
Mercury	.09 U	.1 U	.11 U	.11 U	.09 U	.11 U	.1 U
Molybdenum							
Nickel							
Nitrate							
Nitrate/Nitrite-N							
Nitrite							
Phosphate							
Phosphorus							
Potassium							
Selenium	.21 B	.2 U	.22 U	.23 U	.21 U	.2 U	.21 B
Silicon							
Silver	.41 UJ	.41 UJ	.54 UJ	56	.41 UJ	.41 UJ	1.4 UJ
Sodium							
Strontium							
Sulfate							
Sulfide							

Constituent[a]	CPP-37-03 5	10	15	20	25	30	33
Inorganics							
Aluminum							
Antimony							
Arsenic	2.1	3.1	3.5 J	4.3	3.9	4.6	3.7 J
Barium	75.4 J	103 J	157	75.4 J	136 J	123 J	108
Beryllium							
Boron							
Cadmium	1.1 U	1.5	1.3	1.4 U	1.7 U	1.6 U	.62 B
Calcium							
Chloride							
Chlorine							
Chromium							
Cobalt							
Copper							
Cyanide							
Dysprosium							
Fluoride							
Fluorine							
Iron							
Lead	6	11.4	10.1 J	10.7	8.1	7.7	6.2 J
Magnesium							
Manganese							
Mercury	.09 U	.1 U	.1 U	.09 U	.1 U	.1 U	.1 U
Molybdenum							
Nickel							
Nitrate							
Nitrate/Nitrite-N							
Nitrite							
Phosphate							
Phosphorus							
Potassium							
Selenium	.21 B	.21 U	.41 U	.21 UJ	.21 B	.65 B	.44 UJ
Silicon							
Silver	.55 U	.77 U	3.5 J	1.1 U	.79 U	.89 U	2.1 UJ
Sodium							
Strontium							
Sulfate							
Sulfide							

Constituent[a]	CPP-37-04 5	10	15	20	25	30	33	109
Inorganics								
Aluminum								
Antimony								
Arsenic	4.1	2.4	3.1	11.4 J	3.9		3.6	7.1 J
Barium	207 J	103 J	101 J	51.8 J	83.3 J	115 J	96.5 J	468
Beryllium								
Boron								
Cadmium	2.4 U	2.7 U	3.2	1.5	.55 B	.54 B	.41 B	2 UJ
Calcium								
Chloride								
Chlorine								
Chromium								
Cobalt								
Copper								
Cyanide								
Dysprosium								
Fluoride								
Fluorine								
Iron								
Lead	11.8	5	6	15.8	6.9	6.8	6.5	22.6 J
Magnesium								
Manganese								
Mercury	.11 U	.1 U	.09 U	.12 J	.09 U	.09 U	.1 U	.14 U
Molybdenum								
Nickel								
Nitrate								
Nitrate/Nitrite-N								
Nitrite								
Phosphate								
Phosphorus								
Potassium								
Selenium	.22 BJ	.21 U	.2 U	.22 U	.41 BJ	.21 BJ	.21 BJ	.53 BJ
Silicon								
Silver	0.41U-1.0 U	0.41U-0.79 U	0.46U-3.50U	0.41U-0.56	0.41U-0.79U	0.41U-0.89U	2.1 UJ	8.5
Sodium								
Strontium								
Sulfate								
Sulfide								

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Source data[c] CPP-37-01 5	11	15	20	25	30	33	CPP-37-02 5	10	15	20	25	30	33	CPP-37-03 5	10	15	20	25	30	33	CPP-37-04 5	10	15	20	25	30	33	109
Terbium	No Limit			NOT analyzed for																														
Thallium	4.3E+00			NOT analyzed for																														
Tin				NOT analyzed for																														
Vanadium	4.5E+02			NOT analyzed for																														
Ytterbium	No Limit			NOT analyzed for																														
Zinc	2.1E+05			NOT analyzed for																														
Zirconium	No Limit			NOT analyzed for																														
Radionuclides																																		
Ag108m	8.0E+05	8.0E+02		NOT analyzed for																														
Am241	1.0E+07	1.0E+04	290.0			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.21+/-0.14U	No Value	0.05 U	1.23+/-0.8U	0.05 U	0.29+/-0.17U	0.05 U	0.05 U	No Value	3.89+/-2.3U	0.05 U	0.05 U	No Value	0.05 U	0.05 U	0.37+/-0.17	0.05 U	1.09+/-0.47	No Value	0.05 U	0.05 U	0.05 U	0.05 U	0.10 U
Am243	3.3E+02	3.3E-01		NOT analyzed for																														
Ba137m	No Limit	No Limit		NOT analyzed for																														
C14	3.0E+03	3.0E+00		NOT analyzed for																														
Cd113m	1.6E+06	1.6E+03		NOT analyzed for																														
Ce144	1.8E+03	1.8E+00				.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	No Value	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	No Value	.05 U	.05 U	.05 U	.05 U	.05 U	No Value	.05 U	.05 U	.05 U	.05 U	.05 U
Co57	3.7E+03	3.7E+00		NOT analyzed for																														
Co60	1.9E+08	1.9E+05		NOT analyzed for																														
Cs134	1.1E+07	1.1E+04				.08 U	.08 U	.08 U	.08 U	.08 U	.08 U	No Value	.08 U	.08 U	.08 U	.08 U	.08 U	.08 U	.08 U	.08 U	.08 U	.08 U	No Value	.08 U	.08 U	.08 U	.08 U	.08 U	No Value	.08 U	.08 U	.08 U	.08 U	.08 U
Cs137	2.3E+12	2.3E+09	23.0			3.62+/-0.10	2.99+/-0.09	1.64+/-0.08	0.06 U	0.06 U	0.06 U	No Value	3.51+/-0.90	4.20+/-0.15	2.35+/-0.17	2.29+/-0.16	0.41+/-0.11	0.36+/-0.12	0.14+/-0.07	0.65+/-0.13	1.56+/-0.15	2.15+/-0.18	No Value	0.09 U	0.09 U	0.10 U	0.47+/-0.18	1.33+/-0.86	No Value	6.31+/-0.27	0.73+/-0.11	0.06 U	0.06 U	0.06 U
Eu152	9.7E+08	9.7E+05	270.0	NOT analyzed for																														
Eu154	8.2E+08	8.2E+05	5,200.0	NOT analyzed for																														
Eu155	1.8E+08	1.8E+05		NOT analyzed for																														
H3	5.0E+07	5.0E+04		NOT analyzed for																														
I129	3.1E+03	3.1E+00				0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	No Value	No Value	0.50 U	No Value	0.50 U	0.50 U	0.50 U	0.50 U	No Value	0.50 U	0.50 U	0.50 U	No Value	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	No Value	1.57+/-0.82	0.50 U	0.50 U	0.50 U	0.50 U
K40	2.4E+05	2.4E+02		NOT analyzed for																														
Kr85	No Limit	No Limit		NOT analyzed for																														
Np237	6.4E+05	6.4E+02				0.50+/-0.20	0.40+/-0.10	0.40+/-0.30	0.32+/-0.13	0.46+/-0.13	0.58+/-0.14	No Value	0.41+/-0.25	0.44+/-0.26	0.65+/-0.28	0.55+/-0.27	0.72+/-0.32	0.71+/-0.29	No Value	0.54+/-0.24	0.45+/-0.22	0.64+/-0.28	No Value	0.44+/-0.23	0.86+/-0.29	0.53+/-0.44	0.56+/-0.27	0.40+/-0.26	No Value	0.42+/-0.31	0.42+/-0.25	0.38+/-0.26	0.43+/-0.23	0.60+/-0.16
Pm147	3.8E+08	3.8E+05		NOT analyzed for																														
Pu238	1.0E+07	1.0E+04	670.0			0.50+/-0.02	0.05 U	0.05 U	0.07+/-0.04	0.05 U	0.05 U	No Value	0.26+/-0.09	0.05 U	0.05 U	0.06+/-0.04	0.05 U	0.06+/-0.05	No Value	0.05 U	0.21+/-0.09	0.05 U	No Value	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	No Value	0.32+/-0.11	0.05 U	0.05 U	0.11+/-0.05	0.05 U
Pu239	6.7E+06	6.7E+03	250.0			0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	.05 U	No Value	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	.05 U	.05 U	0.05 U	0.05 U	0.05 U	No Value	0.05 U	.05 U	.05 U	0.05 U	0.05 U	No Value	.05 U	0.05 U	.05 U	.05 U	.05 U
Pu240	1.5E+06	1.5E+03		NOT analyzed for																														
Pu241	6.4E+07	6.4E+04	56,000.0	NOT analyzed for																														
Ra226	4.7E+05	4.7E+02		NOT analyzed for																														
Ru106	1.2E+04	1.2E+01				.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	.07 U	No Value	.07 U	.07 U	.07 U	.07 U	.07 U	No Value	.07 U	.07 U	.07 U	.07 U	
Sb125	9.3E+06	9.3E+03				.03 U	.03 U	.03 U	.03 U	.03 U	.03 U	No Value	.03 U	.03 U	.03 U	.03 U	.03 U	.03 U	.03 U	.03 U	.03 U	.03 U	No Value	.03 U	.03 U	.03 U	.03 U	.03 U	No Value	.03 U	.03 U	.03 U	.03 U	.03 U

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Unknown Locations (concentration range) High	Low	Source data[c] CPP-37-01 5	11	15	20	25	30	33	CPP-37-02 5	10	15	20	25	30	33	CPP-37-03 5	10	15	20	25	30	33	CPP-37-04 5	10	15	20	25	30	33	109
Sm151	3.4E + 08	3.4E + 05		NOT analyzed for																														
Sr90	3.5E + 12	3.5E + 09	223.0			2.95+/- 0.15	1.12+/- 0.12	0.51+/- 0.10	0.08 U	0.08 U	0.16+/- 0.07	No Value	1.28+/- 0.26	0.17U	0.94+/- 0.22	3.00+/- 0.20	0.51+/- 0.09	4.31+/- 0.33	No Value	0.18 U	0.52+/- 0.20	0.08 U	No Value	0.08+/- 0.013	0.12+/- 0.08	0.66+/- 0.18	0.15+/- 0.09	0.25+/- 0.14	No Value	0.51+/- 0.18	0.39+/- 0.17	0.49+/- 0.18	0.76+/- 0.19	0.11+/- 0.07
Tc99	5.8E + 06	5.8E + 03		NOT analyzed for																														
Tc125m	2.3E + 06	2.3E + 03		NOT analyzed for																														
Th228	1.6E + 04	1.6E + 01		NOT analyzed for																														
Th230	1.4E + 04	1.4E + 01		NOT analyzed for																														
Th232	1.7E + 04	1.7E + 01		NOT analyzed for																														
U233	2.6E + 01	2.6E - 02		NOT analyzed for																														
U234	6.0E + 06	6.0E + 03				0.37	0.17	0.26	0.15	0.44	0.61	No Value	0.21	0.3	1.21	0.24	0.21	0.43	0.15	0.19	0.26	0.29	No Value	0.26	0.18	No Value	0.15	0.21	No Value	0.38	0.39	0.36	0.24	0.26
U235	1.1E + 05	1.1E + 02				0.05+/- 0.02	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	No Value	0.05 U	0.05 U	0.07+/- 0.04	0.05 U	0.05 U	0.05 U	No Value	0.05 U	0.05 U	0.05 U	No Value	0.05 U	0.05+/- 0.10	0.05 U	0.05 U	0.05 U	No Value	0.06+/- 0.03	0.05 U	0.05 U	0.05 U	0.05 U
U236	2.0E + 05	2.0E + 02		NOT analyzed for																														
U238	2.0E + 06	2.0E + 03			Range - Not Location Specific	0.56	0.35	0.3	0.22	1.43	2.71	No Value	0.35	0.26	7.44	0.25	0.46	1.27	0.25	0.26	0.31	0.38	No Value	0.44	0.51	0.17	0.16+/- 0.03 0.56+/- 0.07	0.26+/- 0.05 0.31+/- 0.07	0.30+/- 0.04 7.44+/- 0.35	0.22+/- 0.06 0.43+/- 0.09	0.44+/- 0.10 1.43+/- 0.15	0.21+/- 0.05 2.71+/- 0.21	0.17+/- 0.04 0.35+/- 0.04	0.25+/- 0.04
Y90	2.3E + 10	2.3E + 07		NOT analyzed for																														

NOTE: Boxed, bolded, larger font size indicates sample result greater than associated RG

a. DOE/ID-10865, Revision 2, Waste Acceptance Criteria for ICDF Landfill

b. DOE/ID-10660, Revision 0, Final Record of Decision, Idaho Nuclear Technology and Engineering Center

c. DOE/ID-10534, November 1997, Comprehensive RI/FS for the ICPP OU 3-13 at the INEEL - Part A, RI/BRA Report (FINAL), Binder 3 of 3, Appendix G - Soil Sample Results 'C86-151159, Task 6, June 1990, Report for the Idaho Chemical Processing Plant Drilling and Sampling Program at Land Disposal Unit CPP-34, Golder Associates, Inc

B - Sample result is greater than the instrument detection limit, but less than the contract required detection limit.

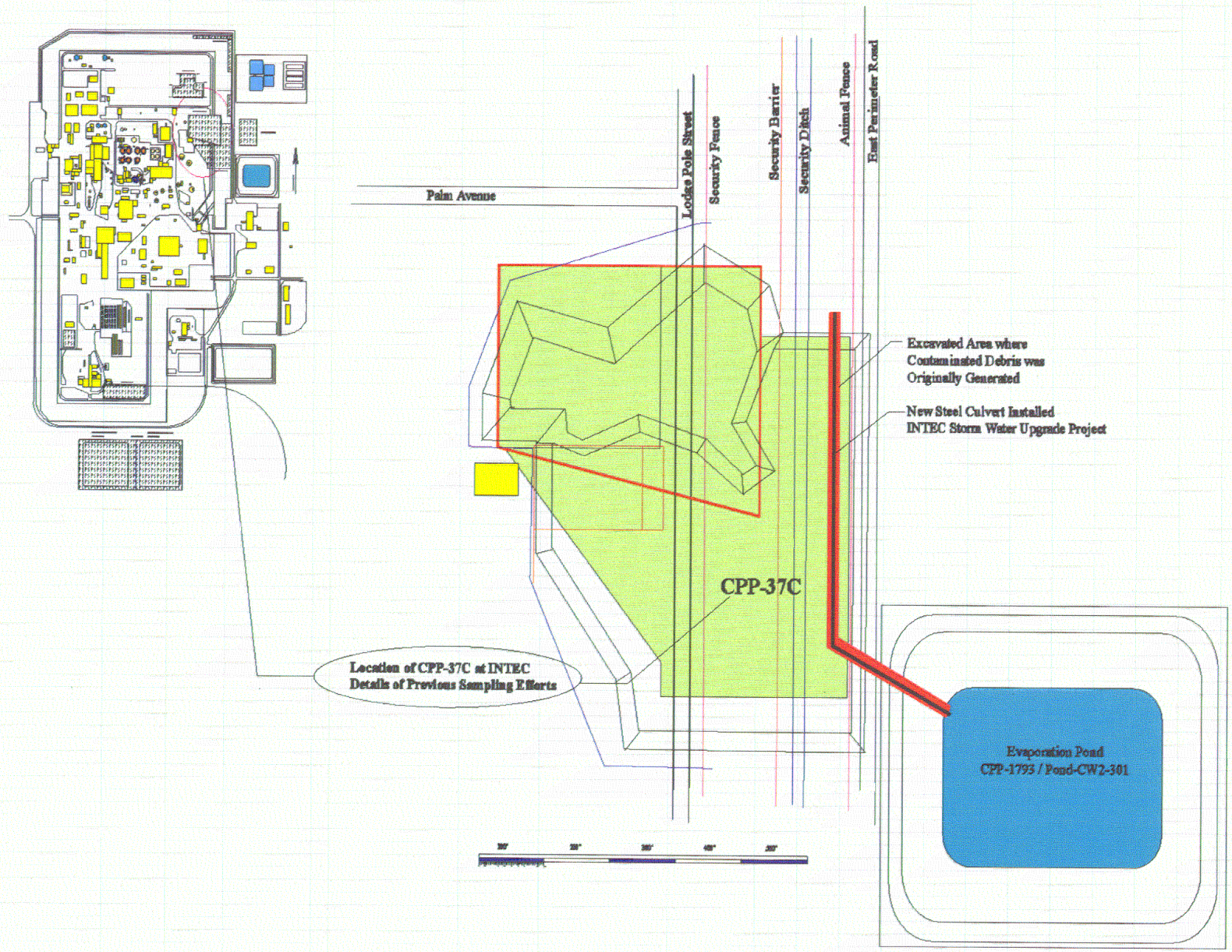
J - The sample concentration reported is an estimated value as a result of data validation.

U - Analyte was not detected in the sample, concentration reported is the sample detection limit.

CPP-37C

Existing Data Summary

Sampling Map - Site CPP-37C



OU 3-13, Group 3, Other Surface Soils, Remediation Set 3, Phase 1 - Site CPP-37C

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Soils Generated During TFIA Culvert Installation (concentration range) High	Low	Debris Generated During TFIA Culvert Installation (concentration range) High	Low
Organics				NOT analyzed for		NOT analyzed for	
1,1,1-Trichloroethane	1.6E + 01			NOT analyzed for		NOT analyzed for	
1,1,2,2-Tetrachloroethane	5.0E - 02			NOT analyzed for		NOT analyzed for	
1,1,2-Trichloroethane	2.4E - 01			NOT analyzed for		NOT analyzed for	
1,1-Dichloroethane	2.3E + 00			NOT analyzed for		NOT analyzed for	
1,1-Dichloroethene	1.5E + 00			Analyzed for but not detected		Analyzed for but not detected	
1,2,4-Trichlorobenzene	1.1E + 01			NOT analyzed for		NOT analyzed for	
1,2-Dichlorobenzene	1.1E + 01			NOT analyzed for		NOT analyzed for	
1,2-Dichloroethane	5.4E - 03			Analyzed for but not detected		Analyzed for but not detected	
1,2-Dichloroethene (total)	3.2E - 01			NOT analyzed for		NOT analyzed for	
1,3-Dichlorobenzene	1.1E + 01			NOT analyzed for		NOT analyzed for	
1,4-Dichlorobenzene	4.4E + 01			Analyzed for but not detected		Analyzed for but not detected	
1,4-Dioxane	1.9E - 02			NOT analyzed for		NOT analyzed for	
2,4,5-Trichlorophenol	4.5E + 01			Analyzed for but not detected		Analyzed for but not detected	
2,4,6-Trichlorophenol	1.8E + 01			Analyzed for but not detected		Analyzed for but not detected	
2,4-Dichlorophenol	2.2E + 01			NOT analyzed for		NOT analyzed for	
2,4-Dimethylphenol	1.8E + 01			NOT analyzed for		NOT analyzed for	
2,4-Dinitrophenol	5.1E + 01			NOT analyzed for		NOT analyzed for	
2,4-Dinitrotoluene	1.1E + 01			Analyzed for but not detected		Analyzed for but not detected	
2,6-Dinitrotoluene	2.1E + 01			NOT analyzed for		NOT analyzed for	
2-Butanone	2.5E + 01			Analyzed for but not detected		Analyzed for but not detected	
2-Chloronaphthalene	1.1E + 01			NOT analyzed for		NOT analyzed for	
2-Chlorophenol	1.8E + 01			NOT analyzed for		NOT analyzed for	
2-Hexanone	2.7E + 00			NOT analyzed for		NOT analyzed for	
2-Methylnaphthalene	5.1E + 02			NOT analyzed for		NOT analyzed for	
2-Methylphenol	2.1E + 01			Analyzed for but not detected		Analyzed for but not detected	
2-Nitroaniline	1.0E - 01			NOT analyzed for		NOT analyzed for	
2-Nitrophenol	1.8E + 01			NOT analyzed for		NOT analyzed for	
3,3-Dichlorobenzidine	1.1E + 01			NOT analyzed for		NOT analyzed for	
3-Methyl Butanal	3.3E + 04			NOT analyzed for		NOT analyzed for	
3-Nitroaniline	1.0E - 01			NOT analyzed for		NOT analyzed for	
4,6-Dinitro-2-methylphenol	4.5E + 01			NOT analyzed for		NOT analyzed for	
4-Bromophenyl-phenylether	8.5E + 04			NOT analyzed for		NOT analyzed for	
4-Chloro-3-methylphenol	9.6E + 04			NOT analyzed for		NOT analyzed for	
4-Chloroaniline	4.1E + 01			NOT analyzed for		NOT analyzed for	
4-Chlorophenyl-phenylether	1.0E + 05			NOT analyzed for		NOT analyzed for	
4-Methyl-2-Pentanone	3.0E + 01			NOT analyzed for		NOT analyzed for	
4-Methylphenol	3.9E + 01			Analyzed for but not detected		Analyzed for but not detected	
4-Nitroaniline	1.0E - 01			NOT analyzed for		NOT analyzed for	
4-Nitrophenol	5.2E + 01			NOT analyzed for		NOT analyzed for	
Acenaphthene	2.0E + 02			NOT analyzed for		NOT analyzed for	
Acenaphthylene	2.1E + 01			NOT analyzed for		NOT analyzed for	
Acetone	4.9E + 01			NOT analyzed for		NOT analyzed for	

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Soils Generated During TFIA Culvert Installation (concentration range) High	Low	Debris Generated During TFIA Culvert Installation (concentration range) High	Low
Acetonitrile	1.2E + 00			NOT analyzed for		NOT analyzed for	
Acrolein	5.5E - 01			NOT analyzed for		NOT analyzed for	
Acrylonitrile	5.8E - 01			NOT analyzed for		NOT analyzed for	
Anthracene	3.2E + 02			NOT analyzed for		NOT analyzed for	
Aramite	6.7E + 00			NOT analyzed for		NOT analyzed for	
Aroclor-1016	7.7E + 00			Analyzed for but not detected		Analyzed for but not detected	
Aroclor-1254	1.3E + 02			Analyzed for but not detected		Analyzed for but not detected	
Aroclor-1260	5.0E + 02			Analyzed for but not detected		Analyzed for but not detected	
Aroclor-1268	6.2E + 01			Analyzed for but not detected		Analyzed for but not detected	
Benzene	2.2E + 02			Analyzed for but not detected		Analyzed for but not detected	
Benzidine	1.7E + 01			NOT analyzed for		NOT analyzed for	
Benzo(a)anthracene	2.5E + 02			NOT analyzed for		NOT analyzed for	
Benzo(a)pyrene	1.1E + 02			NOT analyzed for		NOT analyzed for	
Benzo(b)fluoranthene	1.8E + 02			NOT analyzed for		NOT analyzed for	
Benzo(g,h,i)perylene	1.1E + 01			NOT analyzed for		NOT analyzed for	
Benzo(k)fluoranthene	1.9E + 01			NOT analyzed for		NOT analyzed for	
Benzoic acid	8.6E + 00			NOT analyzed for		NOT analyzed for	
bis(2-Chloroethoxy)methane	1.6E + 02			NOT analyzed for		NOT analyzed for	
bis(2-Chloroethyl)ether	1.1E + 01			NOT analyzed for		NOT analyzed for	
bis(2-Chloroisopropyl)ether	1.1E + 01			NOT analyzed for		NOT analyzed for	
bis(2-Ethylhexyl)phthalate	1.5E + 02			NOT analyzed for		NOT analyzed for	
Butane,1,1,3,4-Tetrachloro-	1.0E + 05			NOT analyzed for		NOT analyzed for	
Butylbenzylphthalate	6.8E + 01			NOT analyzed for		NOT analyzed for	
Carbazole	3.2E + 01			NOT analyzed for		NOT analyzed for	
Carbon Disulfide	4.6E + 01			NOT analyzed for		NOT analyzed for	
Chlorobenzene	6.6E + 00			Analyzed for but not detected		Analyzed for but not detected	
Chloroethane	1.5E - 01			NOT analyzed for		NOT analyzed for	
Chloromethane	3.5E - 01			NOT analyzed for		NOT analyzed for	
Chrysene	2.7E + 02			NOT analyzed for		NOT analyzed for	
Decane, 3,4-Dimethyl	3.3E + 04			NOT analyzed for		NOT analyzed for	
Diacetone alcohol	1.0E + 05			NOT analyzed for		NOT analyzed for	
Dibenz(a,h)anthracene	1.1E + 01			NOT analyzed for		NOT analyzed for	
Dibenzofuran	3.2E + 02			NOT analyzed for		NOT analyzed for	
Diethylphthalate	1.1E + 01			NOT analyzed for		NOT analyzed for	
Dimethyl Disulfide	3.3E + 04			NOT analyzed for		NOT analyzed for	
Dimethylphthalate	1.1E + 01			NOT analyzed for		NOT analyzed for	
Di-n-butylphthalate	2.4E + 01			NOT analyzed for		NOT analyzed for	
Di-n-octylphthalate	2.6E + 01			NOT analyzed for		NOT analyzed for	
Eicosane	1.0E + 05			NOT analyzed for		NOT analyzed for	
Ethyl cyanide	3.3E + 04			NOT analyzed for		NOT analyzed for	
Ethylbenzene	7.8E + 01			NOT analyzed for		NOT analyzed for	
Famphur	1.0E + 05			NOT analyzed for		NOT analyzed for	
Fluoranthene	7.6E + 02			NOT analyzed for		NOT analyzed for	
Fluorene	1.8E + 02			NOT analyzed for		NOT analyzed for	
Heptadecane, 2,6,10,15-Tetra	3.3E + 04			NOT analyzed for		NOT analyzed for	
Hexachlorobenzene	1.1E + 01			Analyzed for but not detected		Analyzed for but not detected	

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Soils Generated During TFIA Culvert Installation (concentration range) High	Low	Debris Generated During TFIA Culvert Installation (concentration range) High	Low
Hexachlorobutadiene	2.1E + 01			Analyzed for but not detected		Analyzed for but not detected	
Hexachlorocyclopentadiene	1.1E + 01			NOT analyzed for		NOT analyzed for	
Hexachloroethane	1.1E + 01			Analyzed for but not detected		Analyzed for but not detected	
Indeno(1,2,3-cd)pyrene	1.1E + 01			NOT analyzed for		NOT analyzed for	
Isobutyl alcohol	1.2E + 00			NOT analyzed for		NOT analyzed for	
Isophorone	1.1E + 01			NOT analyzed for		NOT analyzed for	
Isopropyl Alcohol/2-propanol	1.0E + 05			NOT analyzed for		NOT analyzed for	
Kepone	9.9E + 01			NOT analyzed for		NOT analyzed for	
Mesityl oxide	1.0E + 05			NOT analyzed for		NOT analyzed for	
Methyl Acetate	4.8E - 01			NOT analyzed for		NOT analyzed for	
Methylene Chloride	2.7E + 01			NOT analyzed for		NOT analyzed for	
Naphthalene	4.3E + 02			NOT analyzed for		NOT analyzed for	
Nitrobenzene	1.1E + 01			Analyzed for but not detected		Analyzed for but not detected	
N-Nitroso-di-n-propylamine	1.1E + 01			NOT analyzed for		NOT analyzed for	
N-Nitrosodiphenylamine	1.1E + 01			NOT analyzed for		NOT analyzed for	
Octane,2,3,7-Trimethyl	3.3E + 04			NOT analyzed for		NOT analyzed for	
o-Toluenesulfonamide	3.3E + 04			NOT analyzed for		NOT analyzed for	
Pentachlorophenol	5.6E + 01			Analyzed for but not detected		Analyzed for but not detected	
Phenanthrene	1.2E + 03			NOT analyzed for		NOT analyzed for	
Phenol	8.0E + 01			NOT analyzed for		NOT analyzed for	
Phenol,2,6-Bis(1,1-Dimethyl)	1.0E + 05			NOT analyzed for		NOT analyzed for	
p-Toluenesulfonamide	3.3E + 04			NOT analyzed for		NOT analyzed for	
Pyrene	2.5E + 02			NOT analyzed for		NOT analyzed for	
RDX	1.0E + 01			NOT analyzed for		NOT analyzed for	
Styrene	6.1E - 02			NOT analyzed for		NOT analyzed for	
Tetrachloroethene	9.6E + 00			Analyzed for but not detected		Analyzed for but not detected	
Toluene	3.0E + 01			NOT analyzed for		NOT analyzed for	
Tributylphosphate	4.8E + 02			NOT analyzed for		NOT analyzed for	
Trichloroethene	3.1E + 01			Analyzed for but not detected		Analyzed for but not detected	
Trinitrotoluene	1.1E + 01			NOT analyzed for		NOT analyzed for	
Undecane,4,6-Dimethyl-	3.3E + 02			NOT analyzed for		NOT analyzed for	
Xylene (ortho)	3.9E + 00			NOT analyzed for		NOT analyzed for	
Xylene (total)	2.8E + 02			NOT analyzed for		NOT analyzed for	
Inorganics							
Aluminum	1.6E + 05			NOT analyzed for		NOT analyzed for	
Antimony	5.8E + 03			NOT analyzed for		NOT analyzed for	
Arsenic	5.8E + 01			7.2 mg/kg	6.8 mg/kg	79.70 mg/kg	75.80 mg/kg
Barium	3.0E + 03			154 mg/kg	141 mg/kg	2.0 mg/kg B	1.2 mg/kg B
Beryllium	1.8E + 01			NOT analyzed for		NOT analyzed for	
Boron	3.3E + 03			NOT analyzed for		NOT analyzed for	
Cadmium	3.6E + 03			Analyzed for but not detected		Analyzed for but not detected	
Calcium	No Limit			NOT analyzed for		NOT analyzed for	
Chloride	3.3E + 04			NOT analyzed for		NOT analyzed for	
Chromium	4.1E + 04			23.2 mg/kg J	20.1 mg/kg J	147.0 mg/kg	146.0 mg/kg

Constituent[a]	Selected WAC Concentration Guideline[a] (mg/kg or pCi/kg)	(pCi/g)	Remediation Goals (RGs) from ROD[b] (mg/kg or pCi/g)	Soils Generated During TFIA Culvert Installation (concentration range) High	Low	Debris Generated During TFIA Culvert Installation (concentration range) High	Low
Cobalt	1.1E + 02			NOT analyzed for		NOT analyzed for	
Copper	3.0E + 04			NOT analyzed for		NOT analyzed for	
Cyanide	3.4E + 02			NOT analyzed for		NOT analyzed for	
Dysprosium	5.9E + 04			NOT analyzed for		NOT analyzed for	
Fluoride	3.9E + 03			NOT analyzed for		NOT analyzed for	
Iron	2.4E + 05			NOT analyzed for		NOT analyzed for	
Lead	5.8E + 04			11 mg/kg	10.6 mg/kg	1.4 mg/kg	1.3 mg/kg
Magnesium	1.2E + 05			NOT analyzed for		NOT analyzed for	
Manganese	4.9E + 03			NOT analyzed for		NOT analyzed for	
Mercury	9.5E + 03		23.0	Analyzed for but not detected		Analyzed for but not detected	
Molybdenum	1.0E + 04			NOT analyzed for		NOT analyzed for	
Nickel	3.5E + 02			NOT analyzed for		NOT analyzed for	
Nitrate	3.9E + 03			NOT analyzed for		NOT analyzed for	
Nitrate/Nitrite-N	3.3E + 04			NOT analyzed for		NOT analyzed for	
Nitrite	8.5E + 00			NOT analyzed for		NOT analyzed for	
Phosphorus	No Limit			NOT analyzed for		NOT analyzed for	
Potassium	4.3E + 04			NOT analyzed for		NOT analyzed for	
Selenium	8.5E + 02			0.72 mg/kg	0.7 mg/kg	14.40 mg/kg	6.2 mg/kg
Silver	9.8E + 03			Analyzed for but not detected		Analyzed for but not detected	
Sodium	3.2E + 03			NOT analyzed for		NOT analyzed for	
Strontium	1.8E + 04			NOT analyzed for		NOT analyzed for	
Sulfate	3.3E + 04			NOT analyzed for		NOT analyzed for	
Sulfide	3.3E + 04			NOT analyzed for		NOT analyzed for	
Terbium	No Limit			NOT analyzed for		NOT analyzed for	
Thallium	4.3E + 00			NOT analyzed for		NOT analyzed for	
Vanadium	4.5E + 02			NOT analyzed for		NOT analyzed for	
Ytterbium	No Limit			NOT analyzed for		NOT analyzed for	
Zinc	2.1E + 05			NOT analyzed for		NOT analyzed for	
Zirconium	No Limit			NOT analyzed for		NOT analyzed for	
Radionuclides							
Ag108m	8.0E + 05	8.0E + 02		NOT analyzed for		Analyzed for but not detected	
Am241	1.0E + 07	1.0E + 04	290.0	2.78E-02 J		3.18E-2 pCi/g	8.06E-03 pCi/g J
Am243	3.3E + 02	3.3E - 01		NOT analyzed for		NOT analyzed for	
Ba137m	No Limit	No Limit		NOT analyzed for		NOT analyzed for	
C14	3.0E + 03	3.0E + 00		NOT analyzed for		NOT analyzed for	
Cd113m	1.6E + 06	1.6E + 03		NOT analyzed for		NOT analyzed for	
Ce144	1.8E + 03	1.8E + 00		NOT analyzed for		NOT analyzed for	
Co57	3.7E + 03	3.7E + 00		NOT analyzed for		NOT analyzed for	
Co60	1.9E + 08	1.9E + 05		1 pCi/g[f]		Analyzed for but not detected	
Cs134	1.1E + 07	1.1E + 04		NOT analyzed for		NOT analyzed for	
Cs137	2.3E + 12	2.3E + 09	23.0	124.1 pCi/g[f]	2.0E-2 pCi/g[f]	1.03E+00 pCi/g	1.02E-01 pCi/g
Eu152	9.7E + 08	9.7E + 05	270.0	NOT analyzed for		NOT analyzed for	
Eu154	8.2E + 08	8.2E + 05	5,200.0	NOT analyzed for		3.88E-02 pCi/g J	
Eu155	1.8E + 08	1.8E + 05		Analyzed for but not detected		NOT analyzed for	
H3	5.0E + 07	5.0E + 04		NOT analyzed for		NOT analyzed for	

Constituent[a]	Selected WAC Concentration Guideline[a]		Remediation Goals (RGs) from ROD[b]	Soils Generated During TFIA Culvert Installation (concentration range)		Debris Generated During TFIA Culvert Installation (concentration range)	
	(mg/kg or pCi/kg)	(pCi/g)	(mg/kg or pCi/g)	High	Low	High	Low
I129	**3.1E + 03**	3.1E + 00		NOT analyzed for		NOT analyzed for	
K40	2.4E + 05	2.4E + 02		30.00 pCi/g[f]	2.0E-1 pCi/g[f]	NOT analyzed for	
Kr85	No Limit	No Limit		NOT analyzed for		NOT analyzed for	
Np237	6.4E + 05	6.4E + 02		NOT analyzed for		NOT analyzed for	
Pm147	3.8E + 08	3.8E + 05		NOT analyzed for		NOT analyzed for	
Pu238	1.0E + 07	1.0E + 04	670.0	1.89E-02 pCi/g J		2.90E-02 pCi/g J	
Pu239	6.7E + 06	6.7E + 03	250.0	2.61E-02 pCi/g J d		NOT analyzed for	
Pu240	1.5E + 06	1.5E + 03		2.61E-02 pCi/g J d		NOT analyzed for	
Pu241	6.4E + 07	6.4E + 04	56,000.0	NOT analyzed for		NOT analyzed for	
Ra226	4.7E + 05	4.7E + 02		8.15E-01 pCi/g	8.15E-01 pCi/g	Analyzed for but not detected	
Ru106	1.2E + 04	1.2E + 01		NOT analyzed for		NOT analyzed for	
Sb125	9.3E + 06	9.3E + 03		NOT analyzed for		NOT analyzed for	
Sm151	3.4E + 08	3.4E + 05		NOT analyzed for		NOT analyzed for	
Sr90	3.5E + 12	3.5E + 09	223.0	NOT analyzed for		NOT analyzed for	
Tc99	5.8E + 06	5.8E + 03		NOT analyzed for		NOT analyzed for	
Te125m	2.3E + 06	2.3E + 03		NOT analyzed for		NOT analyzed for	
Th228	1.6E + 04	1.6E + 01		1.79E+00 pCi/g	1.76E+00 pCi/g	NOT analyzed for	
Th230	1.4E + 04	1.4E + 01		1.38E+00 pCi/g	1.35E+00 pCi/g	NOT analyzed for	
Th232	1.7E + 04	1.7E + 01		1.30E+00 pCi/g	1.37E+00 pCi/g	NOT analyzed for	
U233	2.6E + 01	2.6E - 02		1.02E+00 pCi/g c	9.76E-01 pCi/g c	4.47E-02 pCi/g J c	2.90E-02 pCi/g J c
U234	6.0E + 06	6.0E + 03		1.02E+00 pCi/g c	9.76E-01 pCi/g c	4.47E-02 pCi/g J c	2.90E-02 pCi/g J c
U235	1.1E + 05	1.1E + 02		1.10E-01 pCi/g	8.45E-02 pCi/g	Analyzed for but not detected	
U236	2.0E + 05	2.0E + 02		NOT analyzed for		NOT analyzed for	
U238	2.0E + 06	2.0E + 03		1.06E+00 pCi/g	1.02E+00 pCi/g	4.97E-02 pCi/g J	3.39E-02 pCi/g J
Y90	2.3E + 10	2.3E + 07		NOT analyzed for		NOT analyzed for	

NOTE: Boxed, bolded, larger font size indicates sample result greater than associated RG

a. DOE/ID-10865, Revision 2, Waste Acceptance Criteria for ICDF Landfill

b. DOE/ID-10660, Revision 0, Final Record of Decision, Idaho Nuclear Technology and Engineering Center

c. DOE/ID-10534, November 1997, Comprehensive RI/FS for the ICPP OU 3-13 at the INEEL - Part A, RI/BRA Report (FINAL), Binder 3 of 3, Appendix G - Soil Sample Results C90-132739, Task 16, March 1992, Report for the Idaho Chemical Processing Plant Drilling and Sampling Program at Land Disposal Unit CPP-37, Golder Associates, Inc.

d. Analysis results are for Pu-239/240.

e. Analysis results are for U-233/234.

f. Values obtained from field gamma spectrometry.

B - Sample result is greater than the instrument detection limit, but less than the contract required detection limit.

J - The sample concentration reported is an estimated value as a result of data validation.

U - Analyte was not detected in the sample, concentration reported is the sample detection limit.