

Mean Concentration of C-Farm Sludge Residual Waste (for post-retrieval tank samples)

(Inputs from A-3 Mean Conc Vol)

Constituent	Units	C-101	C-103	C-104	C-105
Acetate C2H3O2-	mg/Kg	3.25E+02	5.55E+00	6.41E+01	9.33E+01
Aluminum	mg/Kg	1.79E+05	2.61E+05	1.00E+05	1.42E+05
Ammonia	mg/Kg	6.33E+00	--	6.99E+00	4.60E+00
Ammonium NH4	mg/Kg	--	1.73E+01	--	--
Antimony	mg/Kg	2.67E-01	2.22E+01	1.19E+01	3.53E+02
Arsenic	mg/Kg	6.54E+00	4.58E+01	9.94E+00	2.93E+02
Barium	mg/Kg	2.65E+01	1.99E+02	5.78E+01	2.41E+02
Beryllium	mg/Kg	9.81E-01	4.71E+00	3.25E+00	1.95E+01
Bismuth	mg/Kg	5.88E+00	7.91E+01	2.56E+02	3.71E+02
Boron	mg/Kg	1.25E+00	1.40E+01	--	3.90E+01
Bromide	mg/Kg	2.95E+01	2.48E+00	5.13E+01	2.89E+01
Bulk Density	mg/Kg	1.38E+00	1.61E+00	1.58E+00	0.00E+00
Cadmium	mg/Kg	2.43E+00	7.00E+01	1.72E+02	2.14E+01
Calcium	mg/Kg	6.50E+02	1.56E+03	1.19E+03	2.26E+04
Cerium	mg/Kg	1.24E+02	2.94E+01	6.10E+02	1.43E+03
Chloride	mg/Kg	4.60E+02	1.37E+01	5.23E+01	4.89E+01
Chromium, Total	mg/Kg	1.74E+02	1.71E+02	2.69E+02	2.40E+02
Cobalt	mg/Kg	2.79E+00	6.20E+00	3.17E+00	1.95E+01
Copper	mg/Kg	2.66E+02	5.94E+01	1.61E+02	1.07E+03
Cyanide	mg/Kg	4.34E+02	7.82E-01	1.63E+00	5.34E+01
Europium	mg/Kg	9.81E-01	9.91E-01	1.99E+00	1.95E+01
Fluoride	mg/Kg	2.90E+02	1.15E+01	1.35E+03	3.02E+02
Formate+A2	mg/Kg	3.80E+02	5.75E+00	1.19E+02	1.08E+02
Glycolate	mg/Kg	3.15E+01	3.78E+00	1.88E+01	3.08E+01
Iron	mg/Kg	7.80E+03	8.59E+03	2.84E+04	3.44E+04
Lanthanum	mg/Kg	2.27E+01	1.31E+01	2.06E+00	2.54E+01
Lead	mg/Kg	2.84E+02	6.11E+02	5.69E+02	8.99E+02
Lithium	mg/Kg	1.33E+01	6.98E+00	1.41E+01	1.97E+01
Magnesium	mg/Kg	1.05E+02	2.22E+02	2.47E+02	2.76E+03
Manganese	mg/Kg	1.54E+03	3.18E+02	3.77E+03	9.98E+02
Mercury	mg/Kg	1.79E+00	7.63E+01	1.18E+02	6.85E+01
Molybdenum	mg/Kg	1.29E+01	2.40E+00	7.04E+00	2.27E+02
Neodymium	mg/Kg	5.71E+01	4.66E+01	7.50E+01	2.93E+02
Nickel	mg/Kg	7.38E+02	3.29E+02	5.28E+02	7.87E+02
Niobium	mg/Kg	5.88E+00	6.51E+01	4.50E+01	1.17E+02
Nitrate	mg/Kg	2.53E+04	5.92E+01	8.25E+02	2.06E+03
Nitrite	mg/Kg	1.79E+04	3.21E+01	4.45E+02	1.17E+03
Oxalate	mg/Kg	5.95E+02	6.90E+00	2.08E+04	6.76E+02
Palladium	mg/Kg	1.45E+02	4.88E+01	3.23E+02	2.34E+02
Percent water	mg/Kg	3.03E+00	9.00E+00	--	0.00E+00
pH	mg/Kg	--	--	--	--
Phosphate	mg/Kg	1.31E+04	2.68E+01	3.76E+03	1.82E+04
Phosphorus	mg/Kg	--	7.00E+02	--	--
Potassium	mg/Kg	6.97E+02	2.58E+02	1.15E+02	5.34E+02

Praseodymium	mg/Kg	2.55E+01	1.40E+01	3.83E+02	5.07E+02
Rhodium	mg/Kg	5.98E+01	7.45E+01	1.59E+01	2.34E+02
Rubidium	mg/Kg	5.59E+01	3.99E+02	5.97E+01	1.11E+03
Ruthenium	mg/Kg	3.92E+00	5.96E+01	7.95E+00	9.75E+01
Samarium	mg/Kg	7.69E+02	1.32E+01	--	3.32E+02
Selenium	mg/Kg	3.22E+02	4.96E+01	1.19E+01	5.85E+02
Silicon	mg/Kg	1.90E+03	9.10E+03	1.15E+04	6.68E+04
Silver	mg/Kg	1.20E+02	5.34E+02	1.44E+03	2.17E+02
Sodium	mg/Kg	8.84E+04	6.90E+03	1.01E+05	8.48E+04
Specific Gravity	mg/Kg	--	--	--	1.12E+00
Strontium	mg/Kg	2.35E+02	1.73E+02	8.22E+01	4.73E+02
Sulfate	mg/Kg	4.43E+03	1.27E+01	1.01E+02	1.83E+03
Sulfide	mg/Kg	--	9.09E+00	--	--
Sulfur	mg/Kg	--	5.15E+01	--	--
Tantalum	mg/Kg	8.26E+00	4.42E+01	3.03E+02	9.75E+01
Tellurium	mg/Kg	1.37E+01	6.51E+01	1.74E+01	1.91E+02
Thallium	mg/Kg	3.92E+00	4.34E+01	1.19E+01	2.93E+02
Thorium	mg/Kg	6.30E+01	1.30E+02	2.95E+03	9.66E+01
Tin	mg/Kg	7.98E+00	8.17E+01	3.29E+01	1.56E+02
Titanium	mg/Kg	2.87E+00	1.19E+02	3.86E+01	1.25E+03
Tungsten	mg/Kg	8.45E+01	6.67E+01	1.45E+01	3.12E+02
Uranium	mg/Kg	1.82E+05	3.53E+03	1.16E+05	5.82E+04
Vanadium	mg/Kg	2.25E+00	4.72E+00	3.55E+01	9.55E+01
Yttrium	mg/Kg	2.34E+00	1.33E+01	4.75E+01	4.54E+01
Zinc	mg/Kg	4.83E+01	1.92E+02	1.26E+02	6.24E+02
Zirconium	mg/Kg	4.10E+01	9.59E+02	2.19E+03	3.56E+02
1, 1, 2-Trichloroethylene (Trichloroethene)	mg/Kg	1.42E-03	1.09E-02	1.09E-03	--
2-Butanone(MEK)	mg/Kg	2.31E-02	9.90E-02	2.84E-02	4.01E-01
2-Propanone (Acetone)	mg/Kg	2.59E-02	1.07E-01	3.91E-02	8.41E-01
4-Methyl-2-pentanone (MIBK) (Hexone)	mg/Kg	2.01E-02	1.16E-02	1.53E-02	3.24E-01
Aroclor-1016	mg/Kg	8.14E-02	4.29E-02	--	--
Aroclor-1221	mg/Kg	1.34E-02	1.36E-02	--	--
Aroclor-1232	mg/Kg	2.28E-02	2.41E-01	--	--
Aroclor-1242	mg/Kg	5.43E-02	4.38E-02	--	--
Aroclor-1248	mg/Kg	3.08E-02	1.39E-02	--	--
Aroclor-1254	mg/Kg	4.62E-02	8.15E-03	--	--
Aroclor-1260	mg/Kg	3.18E-02	5.91E-02	--	--
m-Xylene	mg/Kg	1.97E-03	1.54E-02	1.72E-03	--
o-Xylene	mg/Kg	1.08E-03	4.83E-03	8.42E-04	1.75E-02
Polychlorinated Biphenyls (high risk)	mg/Kg	4.48E-02	--	5.13E-01	2.63E-02
Tributyl phosphate	mg/Kg	9.93E-01	7.37E+01	1.63E+00	1.85E+00
Xylene (m & p)	mg/Kg	0.00E+00	1.54E-02	1.72E-03	3.30E-02
Xylenes	mg/Kg	4.78E-04	2.01E-02	2.17E-03	4.72E-02
Americium-241	uCi/g	1.96E-01	3.47E-01	7.44E-01	4.44E-01
Americium-243	uCi/g	2.08E-05	--	--	3.90E-03
Antimony-125	uCi/g	4.00E-02	1.49E-02	8.48E-02	1.34E+00
Barium-137m	uCi/g	5.17E+01	--	4.88E+01	4.80E+02

Carbon-14	uCi/g	1.58E-04	5.02E-04	2.71E-04	1.29E-04
Cerium/Proaseodymium-144	uCi/g	--	--	--	0.00E+00
Cesium-134	uCi/g	--	--	--	0.00E+00
Cesium-137 + Daughters	uCi/g	5.80E+01	4.42E+01	5.47E+01	5.39E+02
Cobalt-60	uCi/g	3.03E-02	1.70E-02	4.11E-02	1.33E-01
Curium-242	uCi/g	3.92E-04	4.04E-02	2.74E-03	1.16E-03
Curium-243	uCi/g	2.26E-07	--	3.20E-04	3.94E-07
Curium-243/244	uCi/g	--	3.16E-02	--	1.17E-03
Curium-244	uCi/g	3.63E-06	--	5.86E-03	7.05E-06
Europium-152	uCi/g	3.85E-01	2.04E-01	2.74E-01	1.41E+00
Europium-154	uCi/g	1.52E-01	1.06E-01	1.38E-01	3.55E-01
Europium-155	uCi/g	1.11E-01	3.40E-02	1.26E-01	8.71E-01
Iodine-129	uCi/g	9.51E-05	2.15E-04	4.26E-05	3.78E-04
Neptunium-237 + D	uCi/g	8.69E-04	1.38E+00	7.01E-03	3.59E-03
Nickel-63	uCi/g	1.83E+00	1.34E+00	8.74E+00	3.41E+00
Niobium-94	uCi/g	--	--	--	0.00E+00
Plutonium-238	uCi/g	1.00E-02	9.41E-02	5.18E-02	4.28E-02
Plutonium-239	uCi/g	6.73E-01	--	4.52E-01	1.76E+00
Plutonium-239/240	uCi/g	7.45E-01	4.33E-01	--	1.95E+00
Plutonium-240	uCi/g	7.20E-02	--	1.36E-01	1.88E-01
Plutonium-241 + D	uCi/g	2.08E-01	--	1.00E+00	9.02E-01
Plutonium-242	uCi/g	9.92E-07	--	1.73E-03	2.59E-06
Protactinium-231	uCi/g	--	--	3.28E-02	0.00E+00
Radium-226	uCi/g	6.89E-06	--	--	0.00E+00
Ruthenium/Rubidium-106	uCi/g	--	--	--	0.00E+00
Selenium-79	uCi/g	1.58E-04	8.22E-04	7.53E-04	5.57E-04
Strontium-90	uCi/g	2.67E+02	4.94E+02	4.30E+02	6.24E+02
Technetium-99	uCi/g	2.76E-02	1.90E-01	2.67E-02	7.88E-03
Thorium-228 + D	uCi/g	7.26E-06	--	2.94E-05	2.42E-04
Thorium-230	uCi/g	1.30E+00	1.36E-03	7.47E-05	1.29E-04
Thorium-232	uCi/g	6.93E-06	1.30E+02	3.25E-04	1.06E-05
Tin-126	uCi/g	2.72E-03	--	7.74E-04	2.10E-02
Tritium	uCi/g	1.44E-03	2.95E-04	8.20E-04	1.36E-03
Uranium-232	uCi/g	5.72E-07	--	--	1.97E-07
Uranium-233	uCi/g	6.05E-08	4.37E-02	1.92E-01	5.83E-03
Uranium-234	uCi/g	5.96E-02	1.58E-01	3.66E-02	1.86E-02
Uranium-235 + D	uCi/g	2.72E-03	2.36E+01	1.74E-03	8.13E-04
Uranium-236	uCi/g	6.81E-04	4.16E-01	4.26E-04	4.01E-04
Uranium-238 + D	uCi/g	6.07E-02	3.50E+03	3.86E-02	1.94E-02
Yttrium-90	uCi/g	2.67E+02	--	4.30E+02	6.24E+02

C-106	C-107	C-108	C-109	C-110	C-112	C-201	C-202	C-203	C-204
2.22E+03	5.68E+01	5.73E+01	1.13E+02	1.11E+02	1.06E+02	2.24E+03	9.51E+01	1.39E+02	1.80E+01
2.41E+04	2.71E+05	1.29E+05	1.62E+05	1.31E+05	1.64E+05	4.37E+03	8.85E+03	3.98E+02	6.55E+03
--	7.60E-01	1.15E+00	2.81E+00	1.67E+00	2.17E+00	--	--	--	--
6.08E+01	--	--	--	--	1.84E+00	3.69E+01	5.69E+01	9.82E+01	1.92E+01
7.48E+01	1.21E+00	1.15E+01	5.93E+00	6.06E+00	1.14E+00	9.48E+01	9.48E+01	1.99E+02	4.46E+02
1.82E+02	6.19E+00	9.56E+00	7.72E+00	6.01E+00	1.21E+01	1.19E+02	9.48E+01	1.99E+02	2.71E+02
1.03E+02	1.00E+00	1.60E+01	9.85E+00	5.06E+01	1.30E+01	1.68E+02	1.76E+02	5.12E+01	5.21E+01
3.56E+00	3.39E+03	4.64E+01	9.89E-01	1.01E+00	2.08E+00	1.52E+01	1.52E+01	3.18E+01	7.91E+00
1.85E+02	3.04E+01	3.97E+03	1.49E+02	3.68E+03	5.58E+01	6.49E+02	6.61E+02	1.40E+03	9.02E+02
7.48E+01	2.55E+01	1.91E+00	9.89E-01	2.36E+00	2.08E+00	4.91E+01	2.84E+01	5.97E+01	1.35E+02
2.80E+03	3.54E+02	3.07E+01	6.04E+01	5.94E+01	3.95E+01	2.82E+03	5.71E+01	5.53E+01	9.72E+00
1.56E+00	1.69E+00	2.09E+00	1.74E+00	1.24E+00	1.84E+00	1.75E+00	1.75E+00	1.93E+00	1.77E+00
9.09E+01	2.51E+01	1.91E+00	9.89E-01	1.01E+00	2.58E+00	9.74E+00	1.83E+01	2.10E+01	2.25E+01
7.41E+03	3.74E+00	8.92E+02	1.18E+03	5.91E+02	2.00E+03	7.20E+03	7.42E+03	2.20E+03	6.57E+02
3.59E+02	3.86E+01	1.19E+03	3.71E+02	1.31E+03	1.33E+03	1.33E+02	1.33E+02	2.78E+02	2.25E+02
3.87E+02	6.02E+00	3.28E+01	6.44E+01	6.33E+01	7.22E+01	3.12E+02	2.99E+02	6.37E+01	6.22E+00
2.38E+02	1.01E+02	2.34E+01	1.33E+01	1.13E+02	7.70E+01	1.29E+04	9.48E+03	2.83E+03	1.52E+03
2.37E+01	--	1.91E+00	9.89E-01	2.38E+00	2.30E+00	8.97E+01	8.02E+01	2.61E+01	4.51E+01
1.45E+02	1.07E+02	2.02E+01	5.50E+01	3.18E+02	5.15E+01	6.43E+02	3.20E+02	5.22E+01	2.44E+01
4.92E+00	1.28E+00	6.09E+00	2.97E+01	8.22E-01	1.38E+02	2.18E+00	4.13E+00	4.54E+00	7.70E-01
3.92E+01	1.00E+00	1.91E+00	9.89E-01	1.01E+00	2.12E+00	6.53E+01	5.20E+01	9.92E+01	4.51E+01
3.41E+01	1.00E+03	4.48E+03	7.32E+03	1.40E+04	7.46E+03	2.86E+03	2.36E+03	1.79E+03	8.97E+00
2.22E+03	8.52E+01	8.60E+01	1.69E+02	1.66E+02	1.30E+02	2.24E+03	6.73E+01	7.94E+01	1.80E+01
1.84E+03	3.25E+01	3.28E+01	6.44E+01	6.33E+01	4.21E+01	1.85E+03	--	3.66E+03	1.48E+01
1.30E+04	9.48E+03	1.04E+04	7.02E+03	1.92E+04	1.46E+04	1.17E+05	9.08E+04	1.40E+04	3.58E+04
1.54E+02	4.88E+00	4.64E+01	9.10E+00	1.01E+00	6.97E+01	1.29E+01	1.14E+01	2.39E+01	4.51E+01
1.62E+03	8.27E+02	6.34E+02	4.08E+02	5.69E+02	1.68E+03	6.65E+03	6.09E+03	3.34E+03	1.14E+03
7.12E+00	2.43E+00	4.64E+01	1.50E+00	1.36E+01	3.05E+00	1.52E+01	1.52E+01	3.18E+01	4.51E+01
4.48E+02	1.42E+02	1.26E+02	9.74E+01	2.85E+02	1.44E+02	8.86E+02	1.39E+03	1.59E+02	2.38E+03
3.46E+04	1.56E+02	1.51E+02	4.26E+01	7.70E+01	1.59E+02	2.02E+04	1.76E+04	5.58E+02	2.66E+02
1.22E+02	1.93E+01	7.55E-01	1.39E+00	1.08E+01	1.98E+00	1.14E+02	2.99E+02	2.43E+00	1.64E+02
1.92E+01	5.91E+00	4.64E+01	1.88E+00	2.19E+00	4.41E+00	1.90E+01	1.90E+01	3.98E+01	2.25E+02
5.67E+02	2.53E+01	3.97E+02	1.15E+01	1.51E+01	1.13E+02	7.58E+01	7.58E+01	1.59E+02	9.02E+01
1.90E+03	1.21E+03	2.76E+03	1.01E+03	4.18E+01	2.76E+03	6.54E+03	7.60E+03	2.22E+02	8.93E+02
2.67E+02	6.02E+00	3.97E+02	1.58E+02	6.06E+00	1.25E+01	1.17E+02	9.48E+01	1.99E+02	2.25E+02
2.90E+03	1.02E+03	3.40E+02	3.42E+02	6.82E+02	2.60E+03	1.44E+03	1.30E+03	4.09E+03	2.48E+01
2.61E+03	6.90E+02	2.14E+02	2.89E+02	2.77E+02	2.12E+03	5.60E+02	4.71E+02	1.08E+03	3.48E+01
2.09E+04	5.60E+01	5.45E+01	1.05E+02	1.03E+02	1.16E+02	5.42E+04	3.92E+04	1.08E+03	9.54E+00
4.45E+02	1.20E+01	4.18E+01	8.90E+00	1.21E+01	2.49E+01	1.55E+03	2.17E+02	3.98E+02	5.10E+02
4.19E+01	--	--	--	--	--	2.44E+01	2.44E+01	3.55E+01	3.82E+01
--	--	--	--	--	--	--	--	--	--
2.61E+03	1.53E+04	4.36E+04	7.43E+04	1.41E+05	8.61E+04	--	--	--	8.87E+04
1.85E+03	--	--	--	--	--	1.90E+04	1.21E+04	2.57E+04	--
1.11E+03	2.86E+01	--	1.98E+01	4.52E+01	6.37E+01	9.48E+02	9.48E+02	1.99E+03	2.25E+03

3.40E+02	2.61E+01	7.65E+00	2.11E+02	2.63E+01	5.40E+01	3.11E+02	6.50E+02	1.76E+03	2.25E+02
1.54E+02	9.03E+00	3.72E+02	9.06E+00	9.09E+00	1.97E+01	4.35E+02	4.35E+02	7.96E+02	9.02E+02
1.51E+03	5.72E+01	5.74E+01	2.97E+01	5.76E+01	1.18E+02	6.52E+03	6.52E+03	1.19E+04	9.02E+03
1.51E+02	2.02E+01	7.65E+00	3.95E+00	4.04E+00	8.31E+00	1.35E+02	1.14E+02	2.39E+02	4.51E+02
1.58E+02	2.39E+01	7.94E+02	3.52E+01	1.72E+01	1.36E+02	3.79E+01	3.79E+01	7.96E+01	2.25E+02
1.85E+02	1.50E+01	1.15E+01	5.93E+00	4.04E+00	9.90E+00	1.22E+02	9.48E+01	1.99E+02	4.51E+02
1.01E+03	4.37E+03	3.26E+03	2.11E+03	2.07E+03	8.64E+02	7.43E+03	8.97E+03	2.19E+03	8.17E+03
4.94E+02	9.15E+02	1.91E+00	6.31E+00	2.52E+01	1.33E+01	1.30E+01	1.30E+01	2.39E+01	2.25E+01
1.17E+04	2.21E+04	1.21E+05	9.85E+04	1.21E+05	9.52E+04	5.23E+04	4.78E+04	6.08E+04	3.71E+04
--	--	--	--	--	--	--	--	--	--
1.15E+02	7.15E+01	7.30E+02	3.71E+01	5.70E+03	2.10E+02	9.68E+02	1.27E+03	2.50E+02	4.09E+02
3.09E+03	3.81E+02	1.09E+02	2.16E+02	7.55E+02	8.47E+02	--	--	--	1.43E+01
8.47E+00	--	--	--	--	--	1.08E+01	1.08E+01	1.18E+01	9.94E+00
8.19E+01	--	--	--	--	--	1.30E+03	1.40E+02	2.39E+02	--
1.51E+02	5.01E+00	1.99E+03	2.63E+02	5.05E+00	1.04E+01	1.19E+02	7.59E+01	1.59E+02	2.25E+02
1.51E+02	9.14E+00	3.97E+03	4.94E+00	8.08E+00	1.66E+01	1.52E+02	1.52E+02	3.18E+02	4.51E+02
4.45E+02	4.01E+00	3.97E+03	6.68E+00	4.34E+00	1.03E+01	3.51E+02	2.56E+02	3.98E+02	4.51E+02
1.96E+02	1.09E+01	5.30E+00	6.81E+00	1.06E+00	6.83E+00	6.62E+02	5.46E+02	3.97E+02	1.43E+02
1.51E+02	1.79E+01	5.74E+00	2.97E+00	8.53E+01	1.25E+01	1.38E+02	3.93E+02	1.59E+02	2.25E+02
2.43E+01	2.74E+01	2.80E+00	4.49E+00	4.33E+00	1.82E+01	1.52E+01	5.94E+02	4.82E+01	3.47E+02
2.97E+02	1.90E+01	1.15E+01	6.47E+00	1.62E+01	3.32E+01	1.05E+03	1.22E+02	2.39E+02	4.51E+02
1.85E+02	6.56E+03	4.48E+03	2.16E+03	5.56E+02	2.13E+04	1.43E+05	1.21E+05	3.39E+05	2.71E+05
1.85E+01	7.33E+00	1.99E+02	9.89E-01	1.24E+00	2.83E+00	1.22E+01	1.14E+01	1.82E+02	4.51E+01
1.07E+02	6.22E+00	4.02E+00	2.30E+00	1.08E+00	7.79E+00	9.48E+00	9.48E+00	1.99E+01	2.25E+01
1.34E+02	1.81E+02	7.10E+01	5.31E+01	2.15E+02	7.06E+01	4.43E+02	5.14E+02	4.46E+02	2.69E+02
1.76E+02	1.19E+02	2.22E+01	--	3.66E+01	3.78E+01	1.08E+01	9.85E+01	1.14E+02	2.25E+01
1.02E-02	1.95E-03	5.44E-03	1.15E-03	9.54E-04	1.13E-03	1.20E-02	1.20E-02	9.70E-03	1.20E-02
2.78E-02	1.68E-02	4.82E-02	1.87E-02	1.55E-02	1.83E-02	4.18E-03	6.35E-02	7.90E-02	8.37E-02
8.05E-02	1.88E-02	7.94E-02	1.01E-01	2.01E-02	3.00E-02	1.51E-02	2.17E-01	2.20E-01	1.05E-01
1.09E-02	--	3.19E-02	1.62E-02	1.35E-02	--	2.41E-03	2.27E-02	1.01E-02	1.28E-02
7.47E-02	4.73E-02	--	--	--	5.74E-02	2.07E-01	--	9.75E-02	1.02E-01
2.35E-02	7.82E-03	--	--	--	9.49E-03	6.48E-02	--	1.33E-02	1.42E-02
4.20E-01	1.33E-02	--	--	--	1.61E-02	1.17E+00	--	2.28E-02	2.39E-02
7.62E-02	3.16E-02	--	--	--	3.84E-02	2.07E-01	--	5.43E-02	5.69E-02
2.42E-02	1.79E-02	--	--	--	2.17E-02	6.68E-02	--	3.08E-02	3.22E-02
1.47E-01	1.81E-02	--	--	--	4.62E-02	9.60E-02	--	1.94E-01	2.03E-01
1.05E-01	1.85E-02	--	--	--	2.25E-02	2.85E-01	--	3.18E-02	3.34E-02
--	--	7.61E-03	1.59E-03	3.40E-03	--	1.70E-02	1.70E-02	1.40E-02	--
4.50E-03	7.88E-04	3.63E-03	8.74E-04	1.69E-03	8.58E-04	5.32E-03	1.70E-02	8.15E-03	5.33E-03
--	3.01E-02	1.67E-01	1.39E-02	1.61E-02	3.42E-02	--	2.96E-02	--	--
--	6.71E-01	2.01E+00	6.55E-01	1.03E+01	9.27E-01	2.12E+04	5.53E+03	9.44E+03	7.30E+04
1.43E-02	1.43E-03	--	--	--	1.56E-03	--	--	--	1.70E-02
1.90E-02	1.74E-03	1.12E-02	1.93E-03	5.00E-03	1.90E-03	2.20E-02	2.20E-02	2.00E-02	2.22E-02
4.01E+00	1.98E-01	3.51E-02	2.81E-02	5.00E-03	2.84E-01	2.56E+00	1.21E+00	3.22E-02	3.51E-03
--	1.98E-05	--	--	--	2.93E-05	--	--	--	--
7.31E-02	7.20E-02	9.51E-03	2.18E-02	2.08E-02	4.56E-01	1.31E-02	2.03E-02	4.07E-03	9.83E-03
--	2.93E+00	2.82E+00	2.90E+00	1.82E+00	1.81E-04	--	--	--	--

5.18E-04	4.23E-04	3.04E-04	5.78E-05	1.53E-04	1.09E+01	8.12E-04	5.24E-04	8.67E-04	2.09E-04
1.21E-05	--	--	--	--	2.34E-04	--	--	--	--
5.26E-03	--	--	--	--	2.71E-02	--	--	--	--
6.31E+01	3.29E+00	3.17E+00	3.25E+00	2.05E+00	4.27E-04	7.14E+00	6.44E+00	9.86E+00	4.59E+00
1.41E-01	4.48E-02	4.05E-02	1.29E-02	1.28E-02	2.74E-06	3.31E-02	4.16E-02	2.34E-03	1.06E-02
--	1.02E-03	1.04E-03	6.13E-05	6.63E-05	2.14E-04	--	3.51E-01	5.48E-03	3.78E-04
--	1.13E-03	3.92E-05	3.72E-06	8.04E-06	2.11E-04	--	1.07E-02	--	--
3.23E-01	1.93E-02	--	--	--	1.92E+00	2.55E-01	2.66E-01	4.13E-03	2.21E-04
--	2.03E-02	7.01E-04	6.63E-05	1.43E-04	1.68E+00	--	2.10E-01	--	--
1.75E+00	2.17E-01	4.64E-02	8.22E-02	6.06E-02	2.48E+00	5.18E-01	5.67E-01	3.53E-02	1.45E-01
1.42E+00	1.71E-01	2.29E-02	4.90E-02	4.71E-02	1.20E-05	2.27E-01	2.61E-01	1.63E-02	6.24E-02
4.81E-01	1.25E-01	2.33E-02	5.68E-02	5.03E-02	5.45E-05	4.40E-02	5.68E-02	1.95E-02	4.43E-02
3.97E-05	4.52E-05	3.55E-05	1.20E-05	2.33E-05	5.52E-01	3.04E-04	7.66E-06	1.60E-05	1.13E-05
4.84E+00	3.64E-04	3.37E-04	6.97E-04	1.10E-04	3.22E-01	5.17E+00	4.30E+00	2.15E+01	3.41E+01
4.12E+00	4.56E+00	1.04E-01	6.63E-02	4.13E-02	5.37E-03	8.75E-01	2.09E-01	6.03E-02	1.64E-02
1.18E+00	--	--	--	--	9.09E-02	--	--	--	--
1.50E-01	2.66E-02	1.54E-04	1.18E-03	1.58E-03	9.19E-02	6.45E-01	6.54E-01	1.89E-02	1.34E-03
--	2.42E-01	2.48E-02	3.03E-02	1.18E-01	9.90E-03	--	--	--	--
1.28E+00	2.69E-01	--	--	--	2.66E-01	2.04E+01	1.81E+01	6.44E-01	1.33E-02
--	2.64E-02	2.70E-03	3.30E-03	1.29E-02	1.48E-04	--	--	--	--
--	1.50E-01	2.10E-03	3.85E-02	3.63E-02	4.21E-07	--	--	--	--
--	1.03E-03	3.75E-08	2.09E-05	1.79E-07	2.61E-04	--	--	--	--
--	--	1.20E-03	3.27E-03	6.67E-04	1.25E+03	--	--	--	--
2.60E+01	1.18E-06	--	--	--	4.08E-03	--	--	--	--
4.26E-04	--	--	--	--	7.04E-09	--	--	3.18E-05	--
6.04E-04	5.91E-05	6.30E-05	3.39E-04	5.09E-04	1.41E-01	9.75E-04	1.28E-04	8.41E-04	9.07E-04
2.84E+03	1.27E+02	4.63E+01	1.76E+02	2.66E+02	5.63E-07	1.74E+02	3.45E+02	1.75E+00	1.15E+02
6.11E-01	1.34E-03	1.80E-03	6.63E-04	4.52E-03	3.14E-03	1.65E-01	1.54E-01	1.49E-01	2.09E-01
--	2.40E-06	8.10E-09	3.40E-07	2.77E-07	2.04E-05	--	--	--	--
2.92E-03	6.64E-02	5.21E-04	1.43E-03	2.91E-04	9.12E-08	3.79E+00	3.79E+00	2.78E-01	1.58E+00
3.21E+02	1.19E-06	5.83E-07	7.50E-07	--	5.74E-04	3.90E+01	3.90E+01	1.81E+01	1.43E+02
--	4.60E-03	7.08E-02	5.03E-05	2.41E-03	7.13E-03	--	--	--	--
2.63E-04	2.14E-04	7.23E-04	2.65E-04	1.82E-04	1.62E-04	2.94E-03	3.25E-03	2.90E-04	1.25E-04
--	2.28E-08	--	--	--	7.57E-05	--	--	--	--
1.19E-02	9.67E-04	9.22E-03	1.91E-02	9.73E-04	7.09E-03	1.47E-05	3.79E+00	7.16E+00	2.38E+00
9.54E-03	3.81E-03	1.21E-03	4.53E-04	2.67E-04	1.25E+03	4.77E-02	5.91E+00	1.97E+01	1.48E+01
1.13E+00	9.23E-05	6.73E-05	3.03E-05	1.16E-05	--	2.01E-03	6.85E+02	2.41E+03	1.76E+03
1.69E-02	6.01E-05	1.06E-05	7.26E-06	2.96E-06	--	1.14E-03	5.68E+00	1.40E+01	8.84E+00
1.85E+02	2.19E-03	1.50E-03	7.21E-04	--	--	4.77E-02	1.02E+05	3.53E+05	2.69E+05
--	1.27E+02	4.63E+01	1.76E+02	2.66E+02	--	--	--	--	--

Mean	Units
4.03E+02	mg/Kg
1.13E+05	mg/Kg
3.31E+00	mg/Kg
4.16E+01	mg/Kg
9.45E+01	mg/Kg
9.02E+01	mg/Kg
8.32E+01	mg/Kg
2.53E+02	mg/Kg
8.85E+02	mg/Kg
3.34E+01	mg/Kg
4.57E+02	mg/Kg
1.57E+00	mg/Kg
3.28E+01	mg/Kg
3.97E+03	mg/Kg
5.40E+02	mg/Kg
1.34E+02	mg/Kg
2.01E+03	mg/Kg
2.34E+01	mg/Kg
2.35E+02	mg/Kg
4.87E+01	mg/Kg
2.37E+01	mg/Kg
3.09E+03	mg/Kg
4.20E+02	mg/Kg
5.91E+02	mg/Kg
2.93E+04	mg/Kg
3.15E+01	mg/Kg
1.81E+03	mg/Kg
1.68E+01	mg/Kg
6.71E+02	mg/Kg
5.75E+03	mg/Kg
7.14E+01	mg/Kg
4.52E+01	mg/Kg
1.43E+02	mg/Kg
1.95E+03	mg/Kg
1.23E+02	mg/Kg
3.07E+03	mg/Kg
1.99E+03	mg/Kg
9.85E+03	mg/Kg
2.84E+02	mg/Kg
2.21E+01	mg/Kg
#DIV/0!	mg/Kg
4.42E+04	mg/Kg
1.19E+04	mg/Kg
6.93E+02	mg/Kg

3.24E+02	mg/Kg
2.52E+02	mg/Kg
2.67E+03	mg/Kg
9.31E+01	mg/Kg
2.05E+02	mg/Kg
1.48E+02	mg/Kg
9.27E+03	mg/Kg
2.74E+02	mg/Kg
6.78E+04	mg/Kg
1.12E+00	mg/Kg
7.66E+02	mg/Kg
1.07E+03	mg/Kg
1.02E+01	mg/Kg
3.62E+02	mg/Kg
2.47E+02	mg/Kg
3.94E+02	mg/Kg
4.46E+02	mg/Kg
3.72E+02	mg/Kg
1.05E+02	mg/Kg
1.78E+02	mg/Kg
1.95E+02	mg/Kg
9.06E+04	mg/Kg
4.42E+01	mg/Kg
2.13E+01	mg/Kg
2.42E+02	mg/Kg
3.22E+02	mg/Kg
6.15E-03	mg/Kg
6.62E-02	mg/Kg
1.36E-01	mg/Kg
4.10E-02	mg/Kg
8.88E-02	mg/Kg
2.00E-02	mg/Kg
2.41E-01	mg/Kg
7.03E-02	mg/Kg
2.98E-02	mg/Kg
9.48E-02	mg/Kg
7.34E-02	mg/Kg
8.85E-03	mg/Kg
5.17E-03	mg/Kg
9.72E-02	mg/Kg
8.40E+03	mg/Kg
1.06E-02	mg/Kg
1.41E-02	mg/Kg
7.21E-01	uCi/g
9.92E-04	uCi/g
1.56E-01	uCi/g
7.39E+01	uCi/g

7.78E-01	uCi/g
8.21E-05	uCi/g
1.08E-02	uCi/g
5.71E+01	uCi/g
4.01E-02	uCi/g
3.36E-02	uCi/g
1.38E-03	uCi/g
3.13E-01	uCi/g
2.13E-01	uCi/g
5.84E-01	uCi/g
2.16E-01	uCi/g
1.46E-01	uCi/g
3.95E-02	uCi/g
5.12E+00	uCi/g
1.81E+00	uCi/g
4.23E-01	uCi/g
1.28E-01	uCi/g
4.14E-01	uCi/g
4.41E+00	uCi/g
5.51E-02	uCi/g
2.93E-01	uCi/g
3.81E-04	uCi/g
2.08E+02	uCi/g
5.20E+00	uCi/g
1.14E-04	uCi/g
1.06E-02	uCi/g
4.21E+02	uCi/g
1.11E-01	uCi/g
3.77E-05	uCi/g
7.72E-01	uCi/g
5.31E+01	uCi/g
1.37E-02	uCi/g
8.81E-04	uCi/g
1.91E-05	uCi/g
9.73E-01	uCi/g
9.22E+01	uCi/g
3.75E+02	uCi/g
2.23E+00	uCi/g
6.06E+04	uCi/g
2.77E+02	uCi/g

C-Farm Tank Liquid Volume Estimates for Grout Calculations

(Fraction of solids in pool unknown. For liquid in grout calcs, assume entire pool is liquid)

Tank	CCMS Est.	CCMS Est.	Avg Calc	95% calc	Pool calc	Dish Bottom Average*		
	Solids (ft3)	Pool (ft3)	S&P	S&P	Ave (ft3)	S&P (ft3)	Solids (ft3)	Pool (ft3)
C-101	411	100	575.4	595.5	112.6	575.0	462	113
C-102	1306	307.5	1815.7	1843.6	346.0	1816.0	1,470	346
C-103	233	33	266	278.3	33	266.0	233	33
C-104	48.4	142	227.8	227.8	169.9	228.0	58	170
C-105	57.95	20.97	89.3	106.4	23.7	89.3	65.6	23.7
C-106	336.89	11.3	348.19	442.2	11.3	348.2	336.89	11.3
C-107	196	629	928.7	951.0	708.0	929.0	221	708
C-108	279	26	364.7	364.7	31.1	365.0	334	31
C-109	92.6	99.2	229.5	229.5	118.7	230.0	111	119
C-110	80.26	143.71	267.9	267.9	171.9	268.0	96	172
C-111	429.8	105.5	602.7	623.0	118.8	603.0	484	119
C-112	738.29	400.15	1281.3	1305.8	450.4	1281.0	831	450
C-201	10.5	0.2	10.7	12.0	0.2	10.7	10.5	0.2
C-202	8.2	0.3	8.5	9.7	0.3	8.5	8.2	0.3
C-203	11.7	1.7	13.4	14.8	1.7	13.4	11.7	1.7
C-204	9.25	0.39	9.64	10.9	0.39	9.7	9.3	0.4

Column D, E and F check calculations for values in columns H, J and M.

* Values from RDRs and Closure Inventory Reports. In RPP-42323, Rev. 4 Table 5-2.

** Values from RDRs and Closure Inventory Reports. In RPP-42323, Rev. 4 Tables 6-3 and 6-4.

C-100 values to nearest cubic foot/gal, C-200 values to 1 decimal point.

1 ft3 = 7.481 gal

Average same as 95% UCL for C-104, C-108, C-109 and C-110

Dish Bottom Average		Dish Bottom 95% UCL**	Dish Bottom 95% UCL	Pool at 95% UCL
Solids (gal)	Pool (gal)	Solids and Pool (ft3)	Solids and Pool (gal)	(gal)
3456	845	596	4459	876
10997	2588	1844	13795	2628
1743	247	279	2087	259
434	1272	228	1706	1272
491	177	106	793	210
2520	85	442	3307	14
1653	5297	951	7114	5422
2499	232	365	2731	232
830	890	230	1721	890
718	1287	268	2005	1287
3621	890	623	4661	920
6217	3366	1306	9770	3432
79	1.5	12	90	1.7
61	2.2	9.7	73	2.6
88	12.7	14.8	111	14.0
70	3.0	10.9	82	3.4