SUMMARY OF RADIOLOGICAL ANALYSES OF GROUNDWATER MONITORING WELLS
WEST JEFFERSON SITE - CY 2004

uCi/ml

Nov-04 NUCLIDE	WELL 100	WELL 101	WELL 103	WELL 110-R	WELL 116-R	WELL 118	WELL 150	WELL 155	WELL 168	WELL 172	WELL 206	WELL 300	WELL 306	WELL 506	WELL 601	WELL C-03	WELL C-09	WELL C-16
Co-60	7.22E-09	4.78E-09	5.81E-09	5.66E-09	0.00E+00	7.93E-09	6.63E-09	5.00E-09	4.31E-09	6.97E-09	4.42E-09	7.36E-09	6.63E-09	7.94E-09	5.76E-09	7.29E-09	7.80E-09	6.48E-09
Sr-90	*1.66E-09* *	*3.42E-09* *	*4.24E-09* *	*1.25E-09* *	0.00E+00	*4.88E-09* *	6.00E-10	*1.31E-09* *	*9.20E-09* *	*9.10E-09* *	5.00E-10	5.60E-10	*1.74E-09* *	*1.26E-09* *	5.20E-10	*1.23E-09* *	*2.99E-08* *	5.40E-10
Sb-125	1.57E-08	1.17E-08	1.48E-08	1.67E-08	0.00E+00	1.76E-08	1.85E-08	1.37E-08	1.34E-08	1.81E-08	1.21E-08	1.65E-08	1.80E-08	1.67E-08	1.27E-08	1.52E-08	1.50E-08	1.79E-08
Cs-134	5.01E-09	4.88E-09	5.00E-09	5.42E-09	0.00E+00	7.34E-09	6.19E-09	4.62E-09	5.11E-09	6.14E-09	4.98E-09	6.70E-09	6.30E-09	6.54E-09	5.17E-09	5.89E-09	6.34E-09	6.25E-09
Cs-137	6.65E-09	4.91E-09	4.61E-09	6.27E-09	0.00E+00	5.85E-09	6.86E-09	5.39E-09	5.20E-09	9.83E-09	4.52E-09	6.13E-09	6.16E-09	6.77E-09	5.28E-09	6.76E-09	5.38E-09	6.05E-09
Eu-152	1.29E-08	1.07E-08	1.12E-08	1.35E-08	0.00E+00	1.23E-08	1.35E-08	1.17E-08	1.15E-08	1.36E-08	1.08E-08	1.33E-08	1.36E-08	1.27E-08	1.09E-08	1.33E-08	1.34E-08	1.32E-08
Eu-154	9.74E-09	7.66E-09	7.62E-09	9.31E-09	0.00E+00	9.41E-09	9.51E-09	8.25E-09	8.44E-09	9.26E-09	7.93E-09	9.43E-09	9.40E-09	8.68E-09	7.71E-09	9.33E-09	9.47E-09	9.31E-09
Am-241	1.45E-08	1.23E-08	1.27E-08	1.55E-08	0.00E+00	1.56E-08	1.54E-08	1.25E-08	1.29E-08	1.47E-08	1.32E-08	1.46E-08	1.55E-08	1.51E-08	1.23E-08	1.53E-08	1.44E-08	1.56E-08
Pu-238	7.00E-11	8.00E-11	6.00E-11	6.90E-11	0.00E+00	6.00E-11	8.90E-11	8.00E-11	9.50E-11	6.30E-11	1.00E-10	7.60E-11	6.00E-11	6.00E-11	5.00E-11	1.00E-10	7.10E-11	8.00E-11
Pu-239	3.00E-11	7.00E-11	4.70E-11	*2.19E-10* *	0.00E+00	5.00E-11	*9.60E-10* *	4.60E-11	*1.79E-09* *	6.00E-11	3.10E-11	3.00E-11	*2.75E-10* *	3.90E-11	3.00E-11	*2.54E-10* *	*7.20E-11* *	4.40E-11
U-235 (g)	3.53E-08	3.05E-08	3.07E-08	3.79E-08	0.00E+00	3.70E-08	3.45E-08	3.07E-08	3.12E-08	3.55E-08	2.69E-09	3.50E-08	3.63E-08	3.91E-08	3.10E-08	3.63E-08	3.49E-08	3.97E-08
U-238 (g)	1.50E-07	1.34E-07	1.34E-07	1.50E-07	0.00E+00	1.54E-07	1.49E-07	1.31E-07	1.32E-07	1.55E-07	5.56E-08	1.56E-07	1.61E-07	1.69E-07	1.28E-07	1.56E-07	1.51E-07	1.50E-07
U-234 (a)	*1.96E-09* *	*1.03E-09* *	*2.30E-10* *	*1.31E-09* *	*0.00E+00* *	*2.09E-09* *	*1.69E-09* *	*2.38E-09* *	*1.98E-09* *	*2.26E-09* *	*2.19E-09* *	*2.17E-09* *	*2.65E-09* *	*1.85E-09* *	*2.87E-09* *	*2.61E-09* *	*1.24E-09* *	*3.00E-10* *
U-235 (a)	*1.44E-10* *	3.50E-11	3.50E-11	*1.40E-10* *	*0.00E+00* *	*1.24E-09* *	*1.79E-10* *	*2.16E-10* *	*1.89E-10* *	7.50E-11	*1.65E-10* *	*1.30E-10* *	*2.11E-10* *	*1.88E-10* *	*1.54E-10* *	*2.70E-10* *	*1.47E-10* *	*6.20E-11* *
U-238 (a)	*1.33E-09* *	*1.00E-09* *	*8.60E-10* *	*1.33E-09* *	*0.00E+00* *	*1.23E-09* *	*1.63E-09* *	*2.43E-09* *	*2.16E-09* *	*2.26E-09* *	*9.80E-10* *	*1.23E-09* *	*2.69E-09* *	*1.30E-09* *	*2.98E-09* *	*2.47E-09* *	*1.29E-09* *	*3.60E-10* *

** DENOTES CALCULATED VALUE, ALL OTHER VALUES ARE LESS THAN OR EQUAL TO MDA*

(a) DENOTES ANALYSIS PERFORMED BY ALPHA SPECTROSCOPY

(g) DENOTES ANALYSIS PERFORMED BY GAMMA SPECTROSCOPY