Table D.9. Noncancerous CDIs for the Current Industrial Worker

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	1	Surface	Vanadium	mg/kg	3.23E+01	7.75E-07		6.66E-10
13	10	Surface	Iron	mg/kg	3.80E+04	9.11E-04		7.83E-07
13	10	Surface	Manganese	mg/kg	3.09E+03	7.40E-05		6.37E-08
13	10	Surface	Silver	mg/kg	5.40E+01	1.29E-06		1.11E-09
13	10	Surface	Vanadium	mg/kg	1.30E+02	3.12E-06		2.68E-09
13	11	Surface	Silver	mg/kg	1.03E+02	2.46E-06		2.12E-09
13	11	Surface	PCB, Total	mg/kg	1.03E+01	2.48E-07	2.41E-06	2.13E-10
13	11	Surface	Vanadium	mg/kg	1.14E+02	2.72E-06		2.34E-09
13	12	Surface	Iron	mg/kg	2.30E+04	5.52E-04		4.74E-07
13	12	Surface	Manganese	mg/kg	1.35E+03	3.24E-05		2.79E-08
13	12	Surface	Silver	mg/kg	8.88E+01	2.13E-06		1.83E-09
13	12	Surface	Vanadium	mg/kg	1.16E+02	2.79E-06		2.40E-09
13	13	Surface	Iron	mg/kg	2.89E+04	6.94E-04		5.97E-07
13	13	Surface	Manganese	mg/kg	1.13E+03	2.70E-05		2.32E-08
13	13	Surface	Molybdenum	mg/kg	2.73E+01	6.53E-07		5.62E-10
13	13	Surface	Vanadium	mg/kg	1.19E+02	2.84E-06		2.44E-09
13	14	Surface	Vanadium	mg/kg	1.22E+02	2.93E-06		2.52E-09
13	14	Surface	PAH, Total	mg/kg	3.27E-02	7.84E-10	7.07E-09	6.74E-13
13	14	Surface	PCB, Total	mg/kg	6.46E+00	1.55E-07	1.50E-06	1.33E-10
13	14	Surface	Uranium-238	pCi/g	2.07E+00	4.96E-08		4.27E-11
13	2	Surface	Iron	mg/kg	2.47E+04	5.93E-04		5.10E-07
13	2	Surface	Manganese	mg/kg	1.22E+03	2.93E-05		2.52E-08
13	2	Surface	Vanadium	mg/kg	9.38E+01	2.25E-06		1.94E-09
13	2	Surface	Uranium-238	pCi/g	1.40E+00	3.36E-08		2.89E-11
13	3	Surface	Iron	mg/kg	2.63E+04	6.31E-04		5.42E-07
13	3	Surface	Manganese	mg/kg	1.09E+03	2.62E-05		2.26E-08
13	3	Surface	Molybdenum	mg/kg	2.19E+01	5.25E-07		4.52E-10
13	3	Surface	Vanadium	mg/kg	9.88E+01	2.37E-06		2.04E-09
13	3	Surface	PAH, Total	mg/kg	2.15E-02	5.15E-10	4.65E-09	4.43E-13
13	4	Surface	Iron	mg/kg	2.75E+04	6.59E-04		5.67E-07
13	4	Surface	Vanadium	mg/kg	9.81E+01	2.35E-06		2.02E-09
13	4	Surface	PAH, Total	mg/kg	4.13E-01	9.90E-09	8.93E-08	8.52E-12
13	4	Surface	PCB, Total	mg/kg	1.05E+01	2.52E-07	2.45E-06	2.17E-10
13	4	Surface	Uranium-238	pCi/g	1.78E+00	4.26E-08		3.67E-11
13	5	Surface	Aluminum	mg/kg	9.83E+03	2.36E-04		2.03E-07
13	5	Surface	Chromium	mg/kg	1.38E+01	3.30E-07		2.84E-10
13	5	Surface	Iron	mg/kg	2.42E+04	5.80E-04		4.99E-07
13	5	Surface	Manganese	mg/kg	9.08E+02	2.18E-05		1.87E-08
13	5	Surface	Uranium	mg/kg	7.41E+01	1.78E-06		1.53E-09
13	5	Surface	Vanadium	mg/kg	1.06E+02	2.53E-06		2.18E-09
13	5	Surface	PAH, Total	mg/kg	4.41E-01	1.06E-08	9.54E-08	9.09E-12

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.9. Noncancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	5	Surface	PCB, Total	mg/kg	6.66E+00	1.60E-07	1.55E-06	1.37E-10
13	5	Surface	Neptunium-237	pCi/g	3.88E-01	9.30E-09		8.00E-12
13	5	Surface	Technetium-99	pCi/g	1.07E+02	2.56E-06		2.20E-09
13	5	Surface	Uranium-234	pCi/g	2.57E+01	6.17E-07		5.30E-10
13	5	Surface	Uranium-235	pCi/g	2.95E+00	7.06E-08		6.08E-11
13	5	Surface	Uranium-238	pCi/g	4.60E+01	1.10E-06		9.48E-10
13	6	Surface	Iron	mg/kg	3.09E+04	7.40E-04		6.37E-07
13	6	Surface	Uranium	mg/kg	3.70E+01	8.87E-07		7.63E-10
13	6	Surface	Vanadium	mg/kg	1.20E+02	2.87E-06		2.47E-09
13	6	Surface	PAH, Total	mg/kg	6.51E-01	1.56E-08	1.41E-07	1.34E-11
13	6	Surface	PCB, Total	mg/kg	1.08E+01	2.58E-07	2.51E-06	2.22E-10
13	6	Surface	Neptunium-237	pCi/g	1.25E+00	2.99E-08		2.58E-11
13	6	Surface	Technetium-99	pCi/g	9.50E+01	2.28E-06		1.96E-09
13	6	Surface	Uranium-234	pCi/g	2.04E+01	4.88E-07		4.20E-10
13	6	Surface	Uranium-235	pCi/g	1.40E+00	3.35E-08		2.88E-11
13	6	Surface	Uranium-238	pCi/g	4.17E+01	1.00E-06		8.60E-10
13	7	Surface	Iron	mg/kg	2.78E+04	6.68E-04		5.74E-07
13	7	Surface	Silver	mg/kg	1.85E+02	4.42E-06		3.80E-09
13	7	Surface	Vanadium	mg/kg	1.22E+02	2.92E-06		2.51E-09
13	7	Surface	Uranium-238	pCi/g	1.30E+00	3.12E-08		2.68E-11
13	8	Surface	Iron	mg/kg	2.41E+04	5.78E-04		4.97E-07
13	8	Surface	Manganese	mg/kg	1.12E+03	2.69E-05		2.31E-08
13	8	Surface	Vanadium	mg/kg	9.97E+01	2.39E-06		2.06E-09
13	8	Surface	PAH, Total	mg/kg	1.22E-02	2.92E-10	2.64E-09	2.52E-13
13	9	Surface	Chromium	mg/kg	1.43E+01	3.44E-07		2.96E-10
13	9	Surface	Vanadium	mg/kg	1.17E+02	2.80E-06		2.40E-09
13	9	Surface	PAH, Total	mg/kg	2.65E-02	6.35E-10	5.73E-09	5.46E-13
13	9	Surface	Neptunium-237	pCi/g	6.88E-01	1.65E-08		1.42E-11
13	9	Surface	Uranium-238	pCi/g	4.07E+00	9.76E-08		8.39E-11
15	1	Surface	Antimony	mg/kg	7.49E+01	1.80E-06		1.54E-09
15	1	Surface	Arsenic	mg/kg	1.27E+01	3.03E-07	6.32E-07	2.61E-10
15	1	Surface	Cadmium	mg/kg	1.56E+01	3.74E-07	2.60E-08	3.22E-10
15	1	Surface	Chromium	mg/kg	8.21E+01	1.97E-06		1.69E-09
15	1	Surface	Iron	mg/kg	2.95E+04	7.08E-04		6.09E-07
15	1	Surface	Nickel	mg/kg	1.32E+02	3.16E-06		2.72E-09
15	1	Surface	Thallium	mg/kg	2.40E-01	5.75E-09		4.95E-12
15	1	Surface	Uranium	mg/kg	3.26E+01	7.80E-07		6.71E-10
15	1	Surface	PAH, Total	mg/kg	1.71E+00	4.11E-08	3.71E-07	3.54E-11
15	1	Surface	Uranium-238	pCi/g	1.85E+00	4.43E-08		3.81E-11
15	10	Surface	Antimony	mg/kg	1.25E+02	3.00E-06		2.58E-09
15	10	Surface	Cadmium	mg/kg	1.67E+01	4.00E-07	2.78E-08	3.44E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.9. Noncancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	10	Surface	Chromium	mg/kg	3.55E+01	8.51E-07		7.32E-10
15	10	Surface	Mercury	mg/kg	7.84E+00	1.88E-07		1.62E-10
15	10	Surface	Nickel	mg/kg	2.26E+02	5.43E-06		4.67E-09
15	10	Surface	Uranium	mg/kg	9.02E+01	2.16E-06		1.86E-09
15	10	Surface	PAH, Total	mg/kg	1.28E-01	3.08E-09	2.78E-08	2.65E-12
15	2	Surface	Antimony	mg/kg	9.83E+01	2.36E-06		2.03E-09
15	2	Surface	Arsenic	mg/kg	1.63E+01	3.90E-07	8.12E-07	3.35E-10
15	2	Surface	Chromium	mg/kg	5.90E+01	1.41E-06		1.22E-09
15	2	Surface	Iron	mg/kg	3.89E+04	9.32E-04		8.02E-07
15	2	Surface	Mercury	mg/kg	9.33E+00	2.24E-07		1.92E-10
15	2	Surface	Nickel	mg/kg	1.97E+02	4.73E-06		4.07E-09
15	2	Surface	Uranium	mg/kg	1.32E+02	3.16E-06		2.72E-09
15	2	Surface	PAH, Total	mg/kg	2.11E+00	5.05E-08	4.56E-07	4.35E-11
15	2	Surface	PCB, Total	mg/kg	3.30E-01	7.91E-09	7.69E-08	6.81E-12
15	2	Surface	Uranium-234	pCi/g	6.51E+00	1.56E-07		1.34E-10
15	2	Surface	Uranium-235	pCi/g	3.80E-01	9.11E-09		7.84E-12
15	2	Surface	Uranium-238	pCi/g	1.21E+01	2.90E-07		2.50E-10
15	3	Surface	Antimony	mg/kg	7.10E+01	1.70E-06		1.46E-09
15	3	Surface	Arsenic	mg/kg	2.74E+01	6.57E-07	1.37E-06	5.65E-10
15	3	Surface	Cadmium	mg/kg	1.25E+01	3.00E-07	2.08E-08	2.58E-10
15	3	Surface	Chromium	mg/kg	7.53E+01	1.81E-06		1.55E-09
15	3	Surface	Cobalt	mg/kg	3.41E+01	8.17E-07		7.03E-10
15	3	Surface	Copper	mg/kg	1.60E+03	3.84E-05		3.31E-08
15	3	Surface	Iron	mg/kg	9.20E+04	2.21E-03		1.90E-06
15	3	Surface	Manganese	mg/kg	1.60E+03	3.85E-05		3.31E-08
15	3	Surface	Mercury	mg/kg	1.05E+01	2.51E-07		2.16E-10
15	3	Surface	Nickel	mg/kg	8.38E+02	2.01E-05		1.73E-08
15	3	Surface	Thallium	mg/kg	2.60E-01	6.23E-09		5.36E-12
15	3	Surface	Uranium	mg/kg	2.16E+02	5.18E-06		4.45E-09
15	3	Surface	Vanadium	mg/kg	7.31E+01	1.75E-06		1.51E-09
15	3	Surface	PAH, Total	mg/kg	1.45E+00	3.49E-08	3.14E-07	3.00E-11
15	3	Surface	PCB, Total	mg/kg	6.82E+00	1.64E-07	1.59E-06	1.41E-10
15	3	Surface	Neptunium-237	pCi/g	3.24E+00	7.76E-08		6.67E-11
15	3	Surface	Technetium-99	pCi/g	2.90E+02	6.95E-06		5.98E-09
15	3	Surface	Thorium-230	pCi/g	5.14E+00	1.23E-07		1.06E-10
15	3	Surface	Uranium-234	pCi/g	1.40E+02	3.36E-06		2.89E-09
15	3	Surface	Uranium-235	pCi/g	1.49E+01	3.57E-07		3.07E-10
15	3	Surface	Uranium-238	pCi/g	8.68E+02	2.08E-05		1.79E-08
15	4	Surface	Antimony	mg/kg	7.63E+01	1.83E-06		1.57E-09
15	4	Surface	Arsenic	mg/kg	3.37E+01	8.07E-07	1.68E-06	6.95E-10
15	4	Surface	Cadmium	mg/kg	1.86E+01	4.45E-07	3.09E-08	3.83E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.9. Noncancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	4	Surface	Chromium	mg/kg	9.02E+01	2.16E-06		1.86E-09
15	4	Surface	Copper	mg/kg	5.99E+02	1.44E-05		1.24E-08
15	4	Surface	Iron	mg/kg	6.90E+04	1.65E-03		1.42E-06
15	4	Surface	Manganese	mg/kg	1.29E+03	3.09E-05		2.65E-08
15	4	Surface	Mercury	mg/kg	3.04E+01	7.28E-07		6.26E-10
15	4	Surface	Nickel	mg/kg	1.24E+03	2.98E-05		2.56E-08
15	4	Surface	Thallium	mg/kg	1.85E-01	4.43E-09		3.81E-12
15	4	Surface	Uranium	mg/kg	1.29E+02	3.09E-06		2.66E-09
15	4	Surface	Vanadium	mg/kg	8.43E+01	2.02E-06		1.74E-09
15	4	Surface	PAH, Total	mg/kg	1.75E+00	4.19E-08	3.78E-07	3.61E-11
15	4	Surface	PCB, Total	mg/kg	3.13E+01	7.51E-07	7.29E-06	6.46E-10
15	4	Surface	Neptunium-237	pCi/g	6.60E-01	1.58E-08		1.36E-11
15	4	Surface	Uranium-234	pCi/g	7.93E+00	1.90E-07		1.63E-10
15	4	Surface	Uranium-235	pCi/g	3.64E-01	8.73E-09		7.51E-12
15	4	Surface	Uranium-238	pCi/g	1.35E+01	3.24E-07		2.79E-10
15	5	Surface	Antimony	mg/kg	1.01E+02	2.43E-06		2.09E-09
15	5	Surface	Arsenic	mg/kg	1.28E+01	3.07E-07	6.38E-07	2.64E-10
15	5	Surface	Cadmium	mg/kg	1.46E+01	3.50E-07	2.43E-08	3.01E-10
15	5	Surface	Chromium	mg/kg	8.43E+01	2.02E-06		1.74E-09
15	5	Surface	Copper	mg/kg	5.63E+03	1.35E-04		1.16E-07
15	5	Surface	Nickel	mg/kg	3.53E+02	8.46E-06		7.28E-09
15	5	Surface	Uranium	mg/kg	1.76E+02	4.21E-06		3.62E-09
15	5	Surface	Zinc	mg/kg	1.52E+03	3.65E-05		3.14E-08
15	5	Surface	PAH, Total	mg/kg	5.11E-01	1.22E-08	1.10E-07	1.05E-11
15	5	Surface	PCB, Total	mg/kg	2.51E+01	6.02E-07	5.85E-06	5.18E-10
15	5	Surface	Neptunium-237	pCi/g	6.90E-01	1.65E-08		1.42E-11
15	5	Surface	Uranium-235	pCi/g	4.60E-01	1.10E-08		9.49E-12
15	5	Surface	Uranium-238	pCi/g	1.03E+01	2.47E-07		2.12E-10
15	6	Surface	Antimony	mg/kg	8.85E+01	2.12E-06		1.82E-09
15	6	Surface	Arsenic	mg/kg	1.24E+01	2.98E-07	6.20E-07	2.56E-10
15	6	Surface	Cadmium	mg/kg	1.64E+01	3.92E-07	2.72E-08	3.37E-10
15	6	Surface	Chromium	mg/kg	8.25E+01	1.98E-06		1.70E-09
15	6	Surface	Cobalt	mg/kg	1.62E+01	3.88E-07		3.34E-10
15	6	Surface	Copper	mg/kg	4.23E+02	1.01E-05		8.72E-09
15	6	Surface	Iron	mg/kg	3.29E+04	7.88E-04		6.78E-07
15	6	Surface	Nickel	mg/kg	3.00E+02	7.20E-06		6.19E-09
15	6	Surface	Uranium	mg/kg	6.30E+01	1.51E-06		1.30E-09
15	6	Surface	PAH, Total	mg/kg	1.62E+00	3.89E-08	3.51E-07	3.35E-11
15	6	Surface	PCB, Total	mg/kg	6.17E+00	1.48E-07	1.44E-06	1.27E-10
15	6	Surface	Neptunium-237	pCi/g	6.40E-01	1.53E-08		1.32E-11
15	6	Surface	Uranium-234	pCi/g	8.74E+00	2.10E-07		1.80E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.9. Noncancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	6	Surface	Uranium-235	pCi/g	5.70E-01	1.37E-08		1.18E-11
15	6	Surface	Uranium-238	pCi/g	1.54E+01	3.69E-07		3.18E-10
15	7	Surface	Antimony	mg/kg	1.37E+02	3.29E-06		2.83E-09
15	7	Surface	Arsenic	mg/kg	1.61E+01	3.85E-07	8.03E-07	3.32E-10
15	7	Surface	Cadmium	mg/kg	1.80E+01	4.31E-07	2.99E-08	3.71E-10
15	7	Surface	Chromium	mg/kg	7.97E+01	1.91E-06		1.64E-09
15	7	Surface	Copper	mg/kg	8.29E+02	1.99E-05		1.71E-08
15	7	Surface	Iron	mg/kg	3.42E+04	8.20E-04		7.05E-07
15	7	Surface	Manganese	mg/kg	1.18E+03	2.84E-05		2.44E-08
15	7	Surface	Nickel	mg/kg	5.59E+02	1.34E-05		1.15E-08
15	7	Surface	Thallium	mg/kg	3.00E-01	7.19E-09		6.19E-12
15	7	Surface	Uranium	mg/kg	5.39E+01	1.29E-06		1.11E-09
15	7	Surface	PAH, Total	mg/kg	1.59E-01	3.81E-09	3.44E-08	3.28E-12
15	7	Surface	PCB, Total	mg/kg	2.57E+01	6.15E-07	5.98E-06	5.29E-10
15	7	Surface	Uranium-234	pCi/g	6.49E+00	1.56E-07		1.34E-10
15	7	Surface	Uranium-235	pCi/g	4.50E-01	1.08E-08		9.28E-12
15	7	Surface	Uranium-238	pCi/g	8.05E+00	1.93E-07		1.66E-10
15	8	Surface	Antimony	mg/kg	7.42E+01	1.78E-06		1.53E-09
15	8	Surface	Arsenic	mg/kg	1.17E+01	2.79E-07	5.81E-07	2.40E-10
15	8	Surface	Cadmium	mg/kg	1.68E+01	4.03E-07	2.80E-08	3.47E-10
15	8	Surface	Chromium	mg/kg	7.74E+01	1.86E-06		1.60E-09
15	8	Surface	Iron	mg/kg	2.83E+04	6.77E-04		5.83E-07
15	8	Surface	Mercury	mg/kg	1.01E+01	2.41E-07		2.08E-10
15	8	Surface	Nickel	mg/kg	1.82E+02	4.36E-06		3.75E-09
15	8	Surface	Uranium	mg/kg	4.46E+01	1.07E-06		9.19E-10
15	8	Surface	PAH, Total	mg/kg	3.59E-01	8.60E-09	7.76E-08	7.40E-12
15	8	Surface	PCB, Total	mg/kg	5.01E+00	1.20E-07	1.17E-06	1.03E-10
15	8	Surface	Neptunium-237	pCi/g	3.65E-01	8.75E-09		7.53E-12
15	8	Surface	Uranium-238	pCi/g	6.64E+00	1.59E-07		1.37E-10
15	9	Surface	Antimony	mg/kg	1.12E+02	2.68E-06		2.31E-09
15	9	Surface	Arsenic	mg/kg	1.10E+01	2.65E-07	5.51E-07	2.28E-10
15	9	Surface	Cadmium	mg/kg	1.81E+01	4.34E-07	3.01E-08	3.73E-10
15	9	Surface	Chromium	mg/kg	9.56E+01	2.29E-06		1.97E-09
15	9	Surface	Iron	mg/kg	2.76E+04	6.61E-04		5.69E-07
15	9	Surface	Nickel	mg/kg	1.49E+02	3.57E-06		3.07E-09
15	9	Surface	Uranium	mg/kg	3.07E+01	7.35E-07		6.32E-10
15	9	Surface	Vanadium	mg/kg	7.33E+01	1.76E-06		1.51E-09
15	9	Surface	PAH, Total	mg/kg	2.38E-01	5.71E-09	5.15E-08	4.91E-12
15	9	Surface	PCB, Total	mg/kg	6.31E+00	1.51E-07	1.47E-06	1.30E-10
15	9	Surface	Uranium-238	pCi/g	7.12E+00	1.71E-07		1.47E-10
204	1	Surface	Aluminum	mg/kg	1.18E+04	2.82E-04		2.43E-07

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.9. Noncancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	1	Surface	Chromium	mg/kg	1.42E+01	3.40E-07		2.92E-10
204	1	Surface	Vanadium	mg/kg	1.20E+02	2.87E-06		2.47E-09
204	1	Surface	PAH, Total	mg/kg	4.93E-01	1.18E-08	1.07E-07	1.02E-11
204	1	Surface	Uranium-238	pCi/g	1.27E+00	3.05E-08		2.63E-11
204	10	Surface	Antimony	mg/kg	1.20E+01	2.88E-07		2.47E-10
204	10	Surface	Iron	mg/kg	3.08E+04	7.39E-04		6.36E-07
204	10	Surface	Vanadium	mg/kg	1.19E+02	2.85E-06		2.45E-09
204	10	Surface	PAH, Total	mg/kg	6.42E-02	1.54E-09	1.39E-08	1.32E-12
204	10	Surface	Uranium-238	pCi/g	3.15E+00	7.55E-08		6.50E-11
204	11	Surface	Iron	mg/kg	3.05E+04	7.32E-04		6.29E-07
204	11	Surface	Vanadium	mg/kg	1.43E+02	3.43E-06		2.95E-09
204	11	Surface	PAH, Total	mg/kg	8.95E-02	2.15E-09	1.94E-08	1.85E-12
204	11	Surface	Uranium-238	pCi/g	3.09E+00	7.41E-08		6.37E-11
204	12	Surface	Iron	mg/kg	2.86E+04	6.86E-04		5.90E-07
204	12	Surface	Thallium	mg/kg	2.10E-01	5.03E-09		4.33E-12
204	12	Surface	Vanadium	mg/kg	1.44E+02	3.45E-06		2.97E-09
204	12	Surface	PAH, Total	mg/kg	6.43E-02	1.54E-09	1.39E-08	1.33E-12
204	12	Surface	Uranium-238	pCi/g	3.26E+00	7.82E-08		6.72E-11
204	13	Surface	Chromium	mg/kg	1.70E+01	4.08E-07		3.51E-10
204	13	Surface	Vanadium	mg/kg	1.45E+02	3.48E-06		2.99E-09
204	13	Surface	PAH, Total	mg/kg	5.05E-01	1.21E-08	1.09E-07	1.04E-11
204	13	Surface	Uranium-238	pCi/g	2.98E+00	7.14E-08		6.15E-11
204	14	Surface	Arsenic	mg/kg	1.36E+02	3.26E-06	6.79E-06	2.80E-09
204	14	Surface	Chromium	mg/kg	1.70E+01	4.08E-07		3.51E-10
204	14	Surface	Iron	mg/kg	3.17E+04	7.60E-04		6.54E-07
204	14	Surface	Uranium	mg/kg	1.34E+02	3.21E-06		2.76E-09
204	14	Surface	Vanadium	mg/kg	1.43E+02	3.43E-06		2.95E-09
204	14	Surface	PAH, Total	mg/kg	1.28E-01	3.06E-09	2.76E-08	2.63E-12
204	14	Surface	Uranium-238	pCi/g	4.25E+00	1.02E-07		8.76E-11
204	15	Surface	Iron	mg/kg	2.90E+04	6.96E-04		5.99E-07
204	15	Surface	Vanadium	mg/kg	1.13E+02	2.71E-06		2.33E-09
204	15	Surface	PAH, Total	mg/kg	1.25E-02	2.99E-10	2.69E-09	2.57E-13
204	15	Surface	Cesium-137	pCi/g	6.30E-01	1.51E-08		1.30E-11
204	15	Surface	Uranium-238	pCi/g	5.37E+00	1.29E-07		1.11E-10
204	16	Surface	Iron	mg/kg	2.89E+04	6.93E-04		5.96E-07
204	16	Surface	Vanadium	mg/kg	1.22E+02	2.92E-06		2.52E-09
204	16	Surface	PAH, Total	mg/kg	1.45E-02	3.47E-10	3.13E-09	2.99E-13
204	17	Surface	Iron	mg/kg	2.98E+04	7.15E-04		6.15E-07
204	17	Surface	Vanadium	mg/kg	1.22E+02	2.92E-06		2.52E-09
204	17	Surface	PAH, Total	mg/kg	5.99E-02	1.44E-09	1.30E-08	1.24E-12
204	17	Surface	Uranium-238	pCi/g	2.50E+00	5.99E-08		5.16E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.9. Noncancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	18	Surface	Iron	mg/kg	3.35E+04	8.04E-04		6.92E-07
204	18	Surface	Uranium	mg/kg	1.09E+02	2.61E-06		2.25E-09
204	18	Surface	Vanadium	mg/kg	1.51E+02	3.62E-06		3.11E-09
204	18	Surface	PAH, Total	mg/kg	7.04E-03	1.69E-10	1.52E-09	1.45E-13
204	18	Surface	Uranium-238	pCi/g	1.81E+00	4.34E-08		3.73E-11
204	19	Surface	Silver	mg/kg	5.50E+01	1.32E-06		1.13E-09
204	19	Surface	Uranium	mg/kg	8.50E+01	2.04E-06		1.75E-09
204	19	Surface	Vanadium	mg/kg	1.06E+02	2.54E-06		2.19E-09
204	19	Surface	PAH, Total	mg/kg	1.30E-01	3.11E-09	2.81E-08	2.67E-12
204	19	Surface	Uranium-238	pCi/g	2.65E+00	6.35E-08		5.46E-11
204	2	Surface	Arsenic	mg/kg	4.59E+01	1.10E-06	2.29E-06	9.47E-10
204	2	Surface	Chromium	mg/kg	1.84E+01	4.41E-07		3.79E-10
204	2	Surface	Vanadium	mg/kg	1.20E+02	2.88E-06		2.48E-09
204	2	Surface	PAH, Total	mg/kg	6.20E-02	1.49E-09	1.34E-08	1.28E-12
204	2	Surface	Uranium-238	pCi/g	3.92E+00	9.40E-08		8.08E-11
204	20	Surface	Chromium	mg/kg	1.75E+02	4.20E-06		3.61E-09
204	20	Surface	Uranium	mg/kg	1.31E+04	3.13E-04		2.70E-07
204	20	Surface	Vanadium	mg/kg	1.14E+02	2.73E-06		2.35E-09
204	20	Surface	PCB, Total	mg/kg	7.90E+01	1.89E-06	1.84E-05	1.63E-09
204	20	Surface	Americium-241	pCi/g	3.71E+00	8.89E-08		7.65E-11
204	20	Surface	Cesium-137	pCi/g	1.17E+00	2.81E-08		2.42E-11
204	20	Surface	Protactinium-231	pCi/g	3.65E+01	8.74E-07		7.52E-10
204	20	Surface	Uranium-234	pCi/g	4.45E+02	1.07E-05		9.18E-09
204	20	Surface	Uranium-235	pCi/g	5.70E+01	1.37E-06		1.18E-09
204	20	Surface	Uranium-238	pCi/g	4.39E+03	1.05E-04		9.04E-08
204	21	Surface	Cobalt	mg/kg	1.80E+01	4.32E-07		3.71E-10
204	21	Surface	Vanadium	mg/kg	1.19E+02	2.85E-06		2.45E-09
204	3	Surface	Chromium	mg/kg	1.80E+01	4.32E-07		3.71E-10
204	3	Surface	Silver	mg/kg	5.40E+01	1.29E-06		1.11E-09
204	3	Surface	Vanadium	mg/kg	1.22E+02	2.92E-06		2.52E-09
204	3	Surface	PAH, Total	mg/kg	3.52E-02	8.44E-10	7.61E-09	7.26E-13
204	3	Surface	Uranium-238	pCi/g	2.31E+00	5.54E-08		4.76E-11
204	4	Surface	Iron	mg/kg	2.92E+04	7.00E-04		6.03E-07
204	4	Surface	Molybdenum	mg/kg	4.10E+01	9.83E-07		8.45E-10
204	4	Surface	Silver	mg/kg	5.90E+01	1.41E-06		1.22E-09
204	4	Surface	Vanadium	mg/kg	1.39E+02	3.33E-06		2.87E-09
204	4	Surface	PAH, Total	mg/kg	2.33E-02	5.59E-10	5.04E-09	4.80E-13
204	4	Surface	Uranium-238	pCi/g	1.82E+00	4.36E-08		3.75E-11
204	5	Surface	Arsenic	mg/kg	5.67E+01	1.36E-06	2.83E-06	1.17E-09
204	5	Surface	Chromium	mg/kg	1.61E+01	3.85E-07		3.31E-10
204	5	Surface	Vanadium	mg/kg	1.21E+02	2.91E-06		2.50E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.9. Noncancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	5	Surface	PAH, Total	mg/kg	2.04E-02	4.89E-10	4.41E-09	4.21E-13
204	5	Surface	Uranium-238	pCi/g	5.65E+00	1.35E-07		1.16E-10
204	6	Surface	Vanadium	mg/kg	1.25E+02	3.00E-06		2.58E-09
204	6	Surface	PAH, Total	mg/kg	3.25E-02	7.79E-10	7.03E-09	6.70E-13
204	6	Surface	Uranium-238	pCi/g	3.63E+00	8.70E-08		7.49E-11
204	7	Surface	Iron	mg/kg	2.95E+04	7.06E-04		6.08E-07
204	7	Surface	Manganese	mg/kg	1.94E+03	4.65E-05		4.00E-08
204	7	Surface	Vanadium	mg/kg	1.27E+02	3.04E-06		2.62E-09
204	7	Surface	PAH, Total	mg/kg	9.68E-03	2.32E-10	2.09E-09	2.00E-13
204	7	Surface	Uranium-238	pCi/g	2.04E+00	4.89E-08		4.21E-11
204	8	Surface	Chromium	mg/kg	1.70E+01	4.08E-07		3.51E-10
204	8	Surface	Cobalt	mg/kg	1.40E+01	3.36E-07		2.89E-10
204	8	Surface	Iron	mg/kg	2.94E+04	7.05E-04		6.07E-07
204	8	Surface	Vanadium	mg/kg	1.32E+02	3.16E-06		2.72E-09
204	8	Surface	PAH, Total	mg/kg	7.37E-02	1.77E-09	1.59E-08	1.52E-12
204	8	Surface	Uranium-238	pCi/g	2.01E+00	4.82E-08		4.14E-11
204	9	Surface	Chromium	mg/kg	1.80E+01	4.32E-07		3.71E-10
204	9	Surface	Iron	mg/kg	2.96E+04	7.10E-04		6.11E-07
204	9	Surface	Vanadium	mg/kg	1.37E+02	3.28E-06		2.83E-09
204	9	Surface	PAH, Total	mg/kg	5.01E+00	1.20E-07	1.08E-06	1.03E-10
204	9	Surface	Uranium-238	pCi/g	2.22E+00	5.32E-08		4.58E-11
211	1	Surface	Antimony	mg/kg	6.52E+01	1.56E-06		1.35E-09
211	1	Surface	Chromium	mg/kg	4.48E+01	1.07E-06		9.23E-10
211	1	Surface	Iron	mg/kg	3.05E+04	7.30E-04		6.28E-07
211	1	Surface	Thallium	mg/kg	3.30E-01	7.91E-09		6.81E-12
211	1	Surface	Vanadium	mg/kg	1.01E+02	2.42E-06		2.08E-09
211	1	Surface	PAH, Total	mg/kg	1.04E-01	2.49E-09	2.25E-08	2.14E-12
211	1	Surface	PCB, Total	mg/kg	3.60E-01	8.63E-09	8.39E-08	7.42E-12
211	1	Surface	Cesium-137	pCi/g	1.67E+00	4.00E-08		3.44E-11
211	1	Surface	Neptunium-237	pCi/g	5.93E+00	1.42E-07		1.22E-10
211	1	Surface	Uranium-234	pCi/g	6.69E+01	1.60E-06		1.38E-09
211	1	Surface	Uranium-238	pCi/g	1.19E+02	2.85E-06		2.45E-09
224	1	Surface	Antimony	mg/kg	1.08E+02	2.59E-06		2.23E-09
224	1	Surface	Uranium	mg/kg	4.15E+01	9.95E-07		8.56E-10
224	1	Surface	PAH, Total	mg/kg	5.95E-01	1.43E-08	1.29E-07	1.23E-11
224	1	Surface	Uranium-238	pCi/g	1.39E+01	3.33E-07		2.87E-10
225	1	Surface	Antimony	mg/kg	5.41E+01	1.30E-06		1.12E-09
225	1	Surface	Chromium	mg/kg	2.55E+01	6.11E-07		5.26E-10
225	1	Surface	Thallium	mg/kg	2.80E-01	6.71E-09		5.77E-12
225	1	Surface	Vanadium	mg/kg	1.09E+02	2.61E-06		2.25E-09
225	1	Surface	PAH, Total	mg/kg	7.79E-02	1.87E-09	1.68E-08	1.61E-12

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.9. Noncancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
225	1	Surface	Uranium-238	pCi/g	2.04E+00	4.89E-08		4.21E-11
26	1	Surface	Chromium	mg/kg	1.67E+01	4.01E-07		3.45E-10
26	1	Surface	Iron	mg/kg	2.88E+04	6.90E-04		5.93E-07
26	1	Surface	Uranium	mg/kg	6.28E+02	1.51E-05		1.30E-08
26	1	Surface	Vanadium	mg/kg	1.61E+02	3.86E-06		3.32E-09
26	1	Surface	PAH, Total	mg/kg	1.97E-01	4.72E-09	4.26E-08	4.06E-12
26	1	Surface	PCB, Total	mg/kg	9.40E+00	2.25E-07	2.19E-06	1.94E-10
26	1	Surface	Uranium-234	pCi/g	7.78E+00	1.87E-07		1.60E-10
26	1	Surface	Uranium-235	pCi/g	1.23E+00	2.95E-08		2.54E-11
26	1	Surface	Uranium-238	pCi/g	6.75E+01	1.62E-06		1.39E-09
26	2	Surface	Aluminum	mg/kg	2.61E+04	6.26E-04		5.38E-07
26	2	Surface	Arsenic	mg/kg	4.23E+01	1.01E-06	2.11E-06	8.72E-10
26	2	Surface	Beryllium	mg/kg	1.13E+01	2.70E-07		2.32E-10
26	2	Surface	Chromium	mg/kg	4.12E+01	9.88E-07		8.50E-10
26	2	Surface	Cobalt	mg/kg	6.59E+01	1.58E-06		1.36E-09
26	2	Surface	Iron	mg/kg	5.20E+04	1.25E-03		1.07E-06
26	2	Surface	Nickel	mg/kg	1.03E+02	2.46E-06		2.12E-09
26	2	Surface	Thallium	mg/kg	2.38E+01	5.70E-07		4.90E-10
26	2	Surface	Uranium	mg/kg	7.18E+02	1.72E-05		1.48E-08
26	2	Surface	Vanadium	mg/kg	1.16E+02	2.77E-06		2.39E-09
26	2	Surface	PCB, Total	mg/kg	3.25E+00	7.80E-08	7.57E-07	6.71E-11
26	2	Surface	Cesium-137	pCi/g	9.52E+00	2.28E-07		1.96E-10
26	2	Surface	Neptunium-237	pCi/g	2.15E-01	5.15E-09		4.43E-12
26	2	Surface	Radium-228	pCi/g	1.69E+00	4.05E-08		3.49E-11
26	2	Surface	Thorium-230	pCi/g	3.59E+00	8.62E-08		7.41E-11
26	2	Surface	Uranium-234	pCi/g	1.98E+01	4.74E-07		4.08E-10
26	2	Surface	Uranium-235	pCi/g	2.36E+00	5.66E-08		4.87E-11
26	2	Surface	Uranium-238	pCi/g	5.01E+01	1.20E-06		1.03E-09
26	3	Surface	Arsenic	mg/kg	7.56E+01	1.81E-06	3.77E-06	1.56E-09
26	3	Surface	Chromium	mg/kg	4.56E+01	1.09E-06		9.40E-10
26	3	Surface	Iron	mg/kg	3.46E+04	8.30E-04		7.14E-07
26	3	Surface	Molybdenum	mg/kg	4.07E+01	9.77E-07		8.40E-10
26	3	Surface	Thallium	mg/kg	3.68E+00	8.83E-08		7.59E-11
26	3	Surface	Uranium	mg/kg	2.05E+02	4.91E-06		4.22E-09
26	3	Surface	Vanadium	mg/kg	1.44E+02	3.45E-06		2.97E-09
26	3	Surface	PAH, Total	mg/kg	3.30E-01	7.91E-09	7.14E-08	6.81E-12
26	3	Surface	PCB, Total	mg/kg	8.91E+00	2.14E-07	2.07E-06	1.84E-10
26	3	Surface	Cesium-137	pCi/g	4.51E+00	1.08E-07		9.31E-11
26	3	Surface	Neptunium-237	pCi/g	3.70E-01	8.87E-09		7.63E-12
26	3	Surface	Uranium-234	pCi/g	5.02E+00	1.20E-07		1.03E-10
26	3	Surface	Uranium-235	pCi/g	3.15E-01	7.55E-09		6.50E-12

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.9. Noncancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
26	3	Surface	Uranium-238	pCi/g	7.00E+00	1.68E-07		1.44E-10
26	4	Surface	Aluminum	mg/kg	1.11E+04	2.67E-04		2.29E-07
26	4	Surface	Arsenic	mg/kg	6.01E+01	1.44E-06	3.00E-06	1.24E-09
26	4	Surface	Chromium	mg/kg	1.14E+02	2.74E-06		2.36E-09
26	4	Surface	Iron	mg/kg	2.81E+04	6.74E-04		5.80E-07
26	4	Surface	Mercury	mg/kg	7.33E+01	1.76E-06		1.51E-09
26	4	Surface	Molybdenum	mg/kg	3.49E+01	8.37E-07		7.20E-10
26	4	Surface	Nickel	mg/kg	8.10E+01	1.94E-06		1.67E-09
26	4	Surface	Uranium	mg/kg	1.47E+03	3.53E-05		3.04E-08
26	4	Surface	Vanadium	mg/kg	1.42E+02	3.40E-06		2.93E-09
26	4	Surface	PAH, Total	mg/kg	5.53E+00	1.33E-07	1.20E-06	1.14E-10
26	4	Surface	PCB, Total	mg/kg	7.95E+00	1.91E-07	1.85E-06	1.64E-10
26	4	Surface	Cesium-137	pCi/g	1.02E+00	2.45E-08		2.11E-11
26	4	Surface	Neptunium-237	pCi/g	2.80E+00	6.70E-08		5.76E-11
26	4	Surface	Plutonium-239/240	pCi/g	1.35E+01	3.24E-07		2.79E-10
26	4	Surface	Technetium-99	pCi/g	8.36E+02	2.00E-05		1.72E-08
26	4	Surface	Thorium-230	pCi/g	5.48E+01	1.31E-06		1.13E-09
26	4	Surface	Uranium-234	pCi/g	2.15E+02	5.16E-06		4.44E-09
26	4	Surface	Uranium-235	pCi/g	1.52E+01	3.63E-07		3.12E-10
26	4	Surface	Uranium-238	pCi/g	8.49E+02	2.04E-05		1.75E-08
77	1	Surface	Chromium	mg/kg	8.30E+01	1.99E-06		1.71E-09
77	1	Surface	Iron	mg/kg	5.03E+04	1.21E-03		1.04E-06
77	1	Surface	Uranium	mg/kg	6.66E+02	1.60E-05		1.37E-08
77	1	Surface	Vanadium	mg/kg	1.68E+02	4.03E-06		3.46E-09
77	1	Surface	PAH, Total	mg/kg	7.02E-02	1.68E-09	1.52E-08	1.45E-12
77	1	Surface	PCB, Total	mg/kg	5.00E+00	1.20E-07	1.16E-06	1.03E-10
77	1	Surface	Thorium-230	pCi/g	1.03E+01	2.47E-07		2.12E-10
77	1	Surface	Uranium-238	pCi/g	1.53E+01	3.67E-07		3.16E-10
80	1	Surface	Uranium	mg/kg	9.80E+01	2.35E-06		2.02E-09
80	1	Surface	Dioxins/Furans, Total	mg/kg	8.82E-05	2.11E-12	4.40E-12	1.82E-15
80	1	Surface	PCB, Total	mg/kg	1.20E+02	2.88E-06	2.80E-05	2.47E-09
80	2	Surface	Antimony	mg/kg	5.82E+01	1.39E-06		1.20E-09
80	2	Surface	Chromium	mg/kg	1.65E+02	3.96E-06		3.40E-09
80	2	Surface	Cobalt	mg/kg	1.90E+01	4.55E-07		3.92E-10
80	2	Surface	Iron	mg/kg	3.52E+04	8.43E-04		7.25E-07
80	2	Surface	Uranium	mg/kg	5.72E+03	1.37E-04		1.18E-07
80	2	Surface	Vanadium	mg/kg	1.29E+02	3.09E-06		2.66E-09
80	2	Surface	PAH, Total	mg/kg	7.21E-01	1.73E-08	1.56E-07	1.49E-11
80	2	Surface	PCB, Total	mg/kg	1.26E+01	3.02E-07	2.93E-06	2.60E-10
80	2	Surface	Americium-241	pCi/g	6.40E+00	1.53E-07		1.32E-10
80	2	Surface	Cesium-137	pCi/g	8.40E-01	2.01E-08		1.73E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.9. Noncancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
80	2	Surface	Neptunium-237	pCi/g	5.05E-01	1.21E-08		1.04E-11
80	2	Surface	Uranium-234	pCi/g	2.29E+02	5.49E-06		4.72E-09
80	2	Surface	Uranium-235	pCi/g	3.00E+01	7.19E-07		6.19E-10
80	2	Surface	Uranium-238	pCi/g	1.92E+03	4.61E-05		3.96E-08
80	3	Surface	Chromium	mg/kg	1.81E+01	4.35E-07		3.74E-10
80	3	Surface	Iron	mg/kg	3.05E+04	7.31E-04		6.29E-07
80	3	Surface	Manganese	mg/kg	9.46E+02	2.27E-05		1.95E-08
80	3	Surface	Molybdenum	mg/kg	2.33E+01	5.60E-07		4.81E-10
80	3	Surface	Uranium	mg/kg	7.32E+01	1.75E-06		1.51E-09
80	3	Surface	Vanadium	mg/kg	1.21E+02	2.89E-06		2.49E-09
80	3	Surface	PCB, Total	mg/kg	5.66E+02	1.36E-05	1.32E-04	1.17E-08
80	3	Surface	Uranium-238	pCi/g	1.59E+00	3.81E-08		3.28E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.10. Cancerous CDIs for the Current Industrial Worker

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
13	1	Surface	Vanadium	mg/kg	3.23E+01	2.77E-07		2.38E-07	
13	10	Surface	Iron	mg/kg	3.80E+04	3.25E-04		2.80E-04	
13	10	Surface	Manganese	mg/kg	3.09E+03	2.64E-05		2.27E-05	
13	10	Surface	Silver	mg/kg	5.40E+01	4.62E-07		3.98E-07	
13	10	Surface	Vanadium	mg/kg	1.30E+02	1.11E-06		9.57E-07	
13	11	Surface	Silver	mg/kg	1.03E+02	8.80E-07		7.57E-07	
13	11	Surface	Vanadium	mg/kg	1.14E+02	9.72E-07		8.36E-07	
13	11	Surface	PCB, Total	mg/kg	1.03E+01	8.85E-08	8.60E-07	7.62E-08	
13	12	Surface	Iron	mg/kg	2.30E+04	1.97E-04		1.69E-04	
13	12	Surface	Manganese	mg/kg	1.35E+03	1.16E-05		9.96E-06	
13	12	Surface	Silver	mg/kg	8.88E+01	7.60E-07		6.54E-07	
13	12	Surface	Vanadium	mg/kg	1.16E+02	9.95E-07		8.56E-07	
13	13	Surface	Iron	mg/kg	2.89E+04	2.48E-04		2.13E-04	
13	13	Surface	Manganese	mg/kg	1.13E+03	9.65E-06		8.30E-06	
13	13	Surface	Molybdenum	mg/kg	2.73E+01	2.33E-07		2.01E-07	
13	13	Surface	Vanadium	mg/kg	1.19E+02	1.01E-06		8.73E-07	
13	14	Surface	Vanadium	mg/kg	1.22E+02	1.05E-06		9.01E-07	
13	14	Surface	PAH, Total	mg/kg	3.27E-02	2.80E-10	2.53E-09	2.41E-10	
13	14	Surface	PCB, Total	mg/kg	6.46E+00	5.53E-08	5.37E-07	4.76E-08	
13	14	Surface	Uranium-238	pCi/g	2.07E+00	3.62E+01		9.35E-03	5.29E-01
13	2	Surface	Iron	mg/kg	2.47E+04	2.12E-04		1.82E-04	
13	2	Surface	Manganese	mg/kg	1.22E+03	1.05E-05		9.01E-06	
13	2	Surface	Vanadium	mg/kg	9.38E+01	8.03E-07		6.91E-07	
13	2	Surface	Uranium-238	pCi/g	1.40E+00	2.45E+01		6.32E-03	3.58E-01
13	3	Surface	Iron	mg/kg	2.63E+04	2.25E-04		1.94E-04	
13	3	Surface	Manganese	mg/kg	1.09E+03	9.37E-06		8.06E-06	
13	3	Surface	Molybdenum	mg/kg	2.19E+01	1.88E-07		1.61E-07	
13	3	Surface	Vanadium	mg/kg	9.88E+01	8.46E-07		7.28E-07	
13	3	Surface	PAH, Total	mg/kg	2.15E-02	1.84E-10	1.66E-09	1.58E-10	
13	4	Surface	Iron	mg/kg	2.75E+04	2.35E-04		2.02E-04	
13	4	Surface	Vanadium	mg/kg	9.81E+01	8.40E-07		7.23E-07	
13	4	Surface	PAH, Total	mg/kg	4.13E-01	3.54E-09	3.19E-08	3.04E-09	
13	4	Surface	PCB, Total	mg/kg	1.05E+01	9.01E-08	8.75E-07	7.75E-08	
13	4	Surface	Uranium-238	pCi/g	1.78E+00	3.11E+01		8.03E-03	4.55E-01
13	5	Surface	Aluminum	mg/kg	9.83E+03	8.42E-05		7.24E-05	
13	5	Surface	Chromium	mg/kg	1.38E+01	1.18E-07		1.01E-07	
13	5	Surface	Iron	mg/kg	2.42E+04	2.07E-04		1.78E-04	
13	5	Surface	Manganese	mg/kg	9.08E+02	7.78E-06		6.69E-06	
13	5	Surface	Uranium	mg/kg	7.41E+01	6.34E-07		5.46E-07	
13	5	Surface	Vanadium	mg/kg	1.06E+02	9.03E-07		7.77E-07	
13	5	Surface	PAH, Total	mg/kg	4.41E-01	3.78E-09	3.41E-08	3.25E-09	
13	5	Surface	PCB, Total	mg/kg	6.66E+00	5.70E-08	5.54E-07	4.90E-08	
13	5	Surface	Neptunium-237	pCi/g	3.88E-01	6.79E+00		1.75E-03	9.92E-02
13	5	Surface	Technetium-99	pCi/g	1.07E+02	1.87E+03		4.82E-01	2.73E+01
13	5	Surface	Uranium-234	pCi/g	2.57E+01	4.50E+02		1.16E-01	6.58E+00

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.10. Cancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
13	5	Surface	Uranium-235	pCi/g	2.95E+00	5.16E+01		1.33E-02	7.53E-01
13	5	Surface	Uranium-238	pCi/g	4.60E+01	8.04E+02		2.08E-01	1.17E+01
13	6	Surface	Iron	mg/kg	3.09E+04	2.64E-04		2.27E-04	
13	6	Surface	Uranium	mg/kg	3.70E+01	3.17E-07		2.72E-07	
13	6	Surface	Vanadium	mg/kg	1.20E+02	1.03E-06		8.83E-07	
13	6	Surface	PAH, Total	mg/kg	6.51E-01	5.57E-09	5.03E-08	4.79E-09	
13	6	Surface	PCB, Total	mg/kg	1.08E+01	9.21E-08	8.95E-07	7.92E-08	
13	6	Surface	Neptunium-237	pCi/g	1.25E+00	2.19E+01		5.64E-03	3.19E-01
13	6	Surface	Technetium-99	pCi/g	9.50E+01	1.66E+03		4.29E-01	2.43E+01
13	6	Surface	Uranium-234	pCi/g	2.04E+01	3.56E+02		9.19E-02	5.21E+00
13	6	Surface	Uranium-235	pCi/g	1.40E+00	2.44E+01		6.31E-03	3.57E-01
13	6	Surface	Uranium-238	pCi/g	4.17E+01	7.30E+02		1.88E-01	1.07E+01
13	7	Surface	Iron	mg/kg	2.78E+04	2.38E-04		2.05E-04	
13	7	Surface	Silver	mg/kg	1.85E+02	1.58E-06		1.36E-06	
13	7	Surface	Vanadium	mg/kg	1.22E+02	1.04E-06		8.96E-07	
13	7	Surface	Uranium-238	pCi/g	1.30E+00	2.27E+01		5.87E-03	3.32E-01
13	8	Surface	Iron	mg/kg	2.41E+04	2.06E-04		1.78E-04	
13	8	Surface	Manganese	mg/kg	1.12E+03	9.60E-06		8.26E-06	
13	8	Surface	Vanadium	mg/kg	9.97E+01	8.54E-07		7.34E-07	
13	8	Surface	PAH, Total	mg/kg	1.22E-02	1.04E-10	9.42E-10	8.99E-11	
13	9	Surface	Chromium	mg/kg	1.43E+01	1.23E-07		1.06E-07	
13	9	Surface	Vanadium	mg/kg	1.17E+02	9.98E-07		8.59E-07	
13	9	Surface	PAH, Total	mg/kg	2.65E-02	2.27E-10	2.05E-09	1.95E-10	
13	9	Surface	Neptunium-237	pCi/g	6.88E-01	1.20E+01		3.11E-03	1.76E-01
13	9	Surface	Uranium-238	pCi/g	4.07E+00	7.12E+01		1.84E-02	1.04E+00
15	1	Surface	Antimony	mg/kg	7.49E+01	6.41E-07		5.52E-07	
15	1	Surface	Arsenic	mg/kg	1.27E+01	1.08E-07	2.26E-07	9.32E-08	
15	1	Surface	Cadmium	mg/kg	1.56E+01	1.34E-07	9.28E-09	1.15E-07	
15	1	Surface	Chromium	mg/kg	8.21E+01	7.03E-07		6.05E-07	
15	1	Surface	Iron	mg/kg	2.95E+04	2.53E-04		2.17E-04	
15	1	Surface	Nickel	mg/kg	1.32E+02	1.13E-06		9.71E-07	
15	1	Surface	Thallium	mg/kg	2.40E-01	2.05E-09		1.77E-09	
15	1	Surface	Uranium	mg/kg	3.26E+01	2.79E-07		2.40E-07	
15	1	Surface	PAH, Total	mg/kg	1.71E+00	1.47E-08	1.32E-07	1.26E-08	
15	1	Surface	Uranium-238	pCi/g	1.85E+00	3.24E+01		8.35E-03	4.73E-01
15	10	Surface	Antimony	mg/kg	1.25E+02	1.07E-06		9.20E-07	
15	10	Surface	Cadmium	mg/kg	1.67E+01	1.43E-07	9.92E-09	1.23E-07	
15	10	Surface	Chromium	mg/kg	3.55E+01	3.04E-07		2.61E-07	
15	10	Surface	Mercury	mg/kg	7.84E+00	6.71E-08		5.77E-08	
15	10	Surface	Nickel	mg/kg	2.26E+02	1.94E-06		1.67E-06	
15	10	Surface	Uranium	mg/kg	9.02E+01	7.72E-07		6.64E-07	
15	10	Surface	PAH, Total	mg/kg	1.28E-01	1.10E-09	9.92E-09	9.46E-10	
15	2	Surface	Antimony	mg/kg	9.83E+01	8.42E-07		7.24E-07	
15	2	Surface	Arsenic	mg/kg	1.63E+01	1.39E-07	2.90E-07	1.20E-07	
15	2	Surface	Chromium	mg/kg	5.90E+01	5.05E-07		4.35E-07	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.10. Cancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	2	Surface	Iron	mg/kg	3.89E+04	3.33E-04		2.86E-04	
15	2	Surface	Mercury	mg/kg	9.33E+00	7.99E-08		6.87E-08	
15	2	Surface	Nickel	mg/kg	1.97E+02	1.69E-06		1.45E-06	
15	2	Surface	Uranium	mg/kg	1.32E+02	1.13E-06		9.70E-07	
15	2	Surface	PAH, Total	mg/kg	2.11E+00	1.80E-08	1.63E-07	1.55E-08	
15	2	Surface	PCB, Total	mg/kg	3.30E-01	2.83E-09	2.75E-08	2.43E-09	
15	2	Surface	Uranium-234	pCi/g	6.51E+00	1.14E+02		2.94E-02	1.66E+00
15	2	Surface	Uranium-235	pCi/g	3.80E-01	6.65E+00		1.72E-03	9.72E-02
15	2	Surface	Uranium-238	pCi/g	1.21E+01	2.12E+02		5.46E-02	3.09E+00
15	3	Surface	Antimony	mg/kg	7.10E+01	6.08E-07		5.23E-07	
15	3	Surface	Arsenic	mg/kg	2.74E+01	2.35E-07	4.88E-07	2.02E-07	
15	3	Surface	Cadmium	mg/kg	1.25E+01	1.07E-07	7.43E-09	9.21E-08	
15	3	Surface	Chromium	mg/kg	7.53E+01	6.45E-07		5.55E-07	
15	3	Surface	Cobalt	mg/kg	3.41E+01	2.92E-07		2.51E-07	
15	3	Surface	Copper	mg/kg	1.60E+03	1.37E-05		1.18E-05	
15	3	Surface	Iron	mg/kg	9.20E+04	7.88E-04		6.78E-04	
15	3	Surface	Manganese	mg/kg	1.60E+03	1.37E-05		1.18E-05	
15	3	Surface	Mercury	mg/kg	1.05E+01	8.97E-08		7.72E-08	
15	3	Surface	Nickel	mg/kg	8.38E+02	7.17E-06		6.17E-06	
15	3	Surface	Thallium	mg/kg	2.60E-01	2.23E-09		1.91E-09	
15	3	Surface	Uranium	mg/kg	2.16E+02	1.85E-06		1.59E-06	
15	3	Surface	Vanadium	mg/kg	7.31E+01	6.26E-07		5.38E-07	
15	3	Surface	PAH, Total	mg/kg	1.45E+00	1.24E-08	1.12E-07	1.07E-08	
15	3	Surface	PCB, Total	mg/kg	6.82E+00	5.84E-08	5.68E-07	5.03E-08	
15	3	Surface	Neptunium-237	pCi/g	3.24E+00	5.66E+01		1.46E-02	8.27E-01
15	3	Surface	Technetium-99	pCi/g	2.90E+02	5.07E+03		1.31E+00	7.42E+01
15	3	Surface	Thorium-230	pCi/g	5.14E+00	8.99E+01		2.32E-02	1.31E+00
15	3	Surface	Uranium-234	pCi/g	1.40E+02	2.45E+03		6.33E-01	3.58E+01
15	3	Surface	Uranium-235	pCi/g	1.49E+01	2.61E+02		6.72E-02	3.81E+00
15	3	Surface	Uranium-238	pCi/g	8.68E+02	1.52E+04		3.92E+00	2.22E+02
15	4	Surface	Antimony	mg/kg	7.63E+01	6.53E-07		5.62E-07	
15	4	Surface	Arsenic	mg/kg	3.37E+01	2.88E-07	6.00E-07	2.48E-07	
15	4	Surface	Cadmium	mg/kg	1.86E+01	1.59E-07	1.10E-08	1.37E-07	
15	4	Surface	Chromium	mg/kg	9.02E+01	7.73E-07		6.65E-07	
15	4	Surface	Copper	mg/kg	5.99E+02	5.13E-06		4.41E-06	
15	4	Surface	Iron	mg/kg	6.90E+04	5.90E-04		5.08E-04	
15	4	Surface	Manganese	mg/kg	1.29E+03	1.10E-05		9.48E-06	
15	4	Surface	Mercury	mg/kg	3.04E+01	2.60E-07		2.24E-07	
15	4	Surface	Nickel	mg/kg	1.24E+03	1.06E-05		9.14E-06	
15	4	Surface	Thallium	mg/kg	1.85E-01	1.58E-09		1.36E-09	
15	4	Surface	Uranium	mg/kg	1.29E+02	1.10E-06		9.50E-07	
15	4	Surface	Vanadium	mg/kg	8.43E+01	7.22E-07		6.21E-07	
15	4	Surface	PAH, Total	mg/kg	1.75E+00	1.50E-08	1.35E-07	1.29E-08	
15	4	Surface	PCB, Total	mg/kg	3.13E+01	2.68E-07	2.60E-06	2.31E-07	
15	4	Surface	Neptunium-237	pCi/g	6.60E-01	1.15E+01		2.98E-03	1.69E-01

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.10. Cancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	4	Surface	Uranium-234	pCi/g	7.93E+00	1.39E+02		3.58E-02	2.03E+00
15	4	Surface	Uranium-235	pCi/g	3.64E-01	6.37E+00		1.64E-03	9.31E-02
15	4	Surface	Uranium-238	pCi/g	1.35E+01	2.37E+02		6.11E-02	3.46E+00
15	5	Surface	Antimony	mg/kg	1.01E+02	8.66E-07		7.45E-07	
15	5	Surface	Arsenic	mg/kg	1.28E+01	1.10E-07	2.28E-07	9.42E-08	
15	5	Surface	Cadmium	mg/kg	1.46E+01	1.25E-07	8.66E-09	1.07E-07	
15	5	Surface	Chromium	mg/kg	8.43E+01	7.22E-07		6.21E-07	
15	5	Surface	Copper	mg/kg	5.63E+03	4.82E-05		4.15E-05	
15	5	Surface	Nickel	mg/kg	3.53E+02	3.02E-06		2.60E-06	
15	5	Surface	Uranium	mg/kg	1.76E+02	1.50E-06		1.29E-06	
15	5	Surface	Zinc	mg/kg	1.52E+03	1.30E-05		1.12E-05	
15	5	Surface	PAH, Total	mg/kg	5.11E-01	4.37E-09	3.94E-08	3.76E-09	
15	5	Surface	PCB, Total	mg/kg	2.51E+01	2.15E-07	2.09E-06	1.85E-07	
15	5	Surface	Neptunium-237	pCi/g	6.90E-01	1.21E+01		3.12E-03	1.76E-01
15	5	Surface	Uranium-235	pCi/g	4.60E-01	8.05E+00		2.08E-03	1.18E-01
15	5	Surface	Uranium-238	pCi/g	1.03E+01	1.80E+02		4.65E-02	2.63E+00
15	6	Surface	Antimony	mg/kg	8.85E+01	7.57E-07		6.51E-07	
15	6	Surface	Arsenic	mg/kg	1.24E+01	1.06E-07	2.22E-07	9.15E-08	
15	6	Surface	Cadmium	mg/kg	1.64E+01	1.40E-07	9.71E-09	1.20E-07	
15	6	Surface	Chromium	mg/kg	8.25E+01	7.06E-07		6.08E-07	
15	6	Surface	Cobalt	mg/kg	1.62E+01	1.39E-07		1.19E-07	
15	6	Surface	Copper	mg/kg	4.23E+02	3.62E-06		3.11E-06	
15	6	Surface	Iron	mg/kg	3.29E+04	2.81E-04		2.42E-04	
15	6	Surface	Nickel	mg/kg	3.00E+02	2.57E-06		2.21E-06	
15	6	Surface	Uranium	mg/kg	6.30E+01	5.39E-07		4.64E-07	
15	6	Surface	PAH, Total	mg/kg	1.62E+00	1.39E-08	1.25E-07	1.20E-08	
15	6	Surface	PCB, Total	mg/kg	6.17E+00	5.28E-08	5.13E-07	4.54E-08	
15	6	Surface	Neptunium-237	pCi/g	6.40E-01	1.12E+01		2.89E-03	1.64E-01
15	6	Surface	Uranium-234	pCi/g	8.74E+00	1.53E+02		3.95E-02	2.23E+00
15	6	Surface	Uranium-235	pCi/g	5.70E-01	9.97E+00		2.57E-03	1.46E-01
15	6	Surface	Uranium-238	pCi/g	1.54E+01	2.69E+02		6.95E-02	3.94E+00
15	7	Surface	Antimony	mg/kg	1.37E+02	1.17E-06		1.01E-06	
15	7	Surface	Arsenic	mg/kg	1.61E+01	1.38E-07	2.87E-07	1.18E-07	
15	7	Surface	Cadmium	mg/kg	1.80E+01	1.54E-07	1.07E-08	1.32E-07	
15	7	Surface	Chromium	mg/kg	7.97E+01	6.82E-07		5.87E-07	
15	7	Surface	Copper	mg/kg	8.29E+02	7.10E-06		6.11E-06	
15	7	Surface	Iron	mg/kg	3.42E+04	2.93E-04		2.52E-04	
15	7	Surface	Manganese	mg/kg	1.18E+03	1.01E-05		8.71E-06	
15	7	Surface	Nickel	mg/kg	5.59E+02	4.78E-06		4.11E-06	
15	7	Surface	Thallium	mg/kg	3.00E-01	2.57E-09		2.21E-09	
15	7	Surface	Uranium	mg/kg	5.39E+01	4.61E-07		3.97E-07	
15	7	Surface	PAH, Total	mg/kg	1.59E-01	1.36E-09	1.23E-08	1.17E-09	
15	7	Surface	PCB, Total	mg/kg	2.57E+01	2.20E-07	2.14E-06	1.89E-07	
15	7	Surface	Uranium-234	pCi/g	6.49E+00	1.14E+02		2.93E-02	1.66E+00
15	7	Surface	Uranium-235	pCi/g	4.50E-01	7.87E+00		2.03E-03	1.15E-01

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.10. Cancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	7	Surface	Uranium-238	pCi/g	8.05E+00	1.41E+02		3.64E-02	2.06E+00
15	8	Surface	Antimony	mg/kg	7.42E+01	6.35E-07		5.46E-07	
15	8	Surface	Arsenic	mg/kg	1.17E+01	9.97E-08	2.08E-07	8.58E-08	
15	8	Surface	Cadmium	mg/kg	1.68E+01	1.44E-07	9.99E-09	1.24E-07	
15	8	Surface	Chromium	mg/kg	7.74E+01	6.63E-07		5.70E-07	
15	8	Surface	Iron	mg/kg	2.83E+04	2.42E-04		2.08E-04	
15	8	Surface	Mercury	mg/kg	1.01E+01	8.62E-08		7.42E-08	
15	8	Surface	Nickel	mg/kg	1.82E+02	1.56E-06		1.34E-06	
15	8	Surface	Uranium	mg/kg	4.46E+01	3.81E-07		3.28E-07	
15	8	Surface	PAH, Total	mg/kg	3.59E-01	3.07E-09	2.77E-08	2.64E-09	
15	8	Surface	PCB, Total	mg/kg	5.01E+00	4.29E-08	4.17E-07	3.69E-08	
15	8	Surface	Neptunium-237	pCi/g	3.65E-01	6.39E+00		1.65E-03	9.33E-02
15	8	Surface	Uranium-238	pCi/g	6.64E+00	1.16E+02		3.00E-02	1.70E+00
15	9	Surface	Antimony	mg/kg	1.12E+02	9.57E-07		8.23E-07	
15	9	Surface	Arsenic	mg/kg	1.10E+01	9.45E-08	1.97E-07	8.13E-08	
15	9	Surface	Cadmium	mg/kg	1.81E+01	1.55E-07	1.08E-08	1.33E-07	
15	9	Surface	Chromium	mg/kg	9.56E+01	8.19E-07		7.04E-07	
15	9	Surface	Iron	mg/kg	2.76E+04	2.36E-04		2.03E-04	
15	9	Surface	Nickel	mg/kg	1.49E+02	1.27E-06		1.10E-06	
15	9	Surface	Uranium	mg/kg	3.07E+01	2.63E-07		2.26E-07	
15	9	Surface	Vanadium	mg/kg	7.33E+01	6.27E-07		5.40E-07	
15	9	Surface	PAH, Total	mg/kg	2.38E-01	2.04E-09	1.84E-08	1.76E-09	
15	9	Surface	PCB, Total	mg/kg	6.31E+00	5.40E-08	5.25E-07	4.65E-08	
15	9	Surface	Uranium-238	pCi/g	7.12E+00	1.25E+02		3.22E-02	1.82E+00
204	1	Surface	Aluminum	mg/kg	1.18E+04	1.01E-04		8.68E-05	
204	1	Surface	Chromium	mg/kg	1.42E+01	1.21E-07		1.04E-07	
204	1	Surface	Vanadium	mg/kg	1.20E+02	1.03E-06		8.83E-07	
204	1	Surface	PAH, Total	mg/kg	4.93E-01	4.22E-09	3.81E-08	3.63E-09	
204	1	Surface	Uranium-238	pCi/g	1.27E+00	2.23E+01		5.75E-03	3.26E-01
204	10	Surface	Antimony	mg/kg	1.20E+01	1.03E-07		8.84E-08	
204	10	Surface	Iron	mg/kg	3.08E+04	2.64E-04		2.27E-04	
204	10	Surface	Vanadium	mg/kg	1.19E+02	1.02E-06		8.76E-07	
204	10	Surface	PAH, Total	mg/kg	6.42E-02	5.50E-10	4.96E-09	4.73E-10	
204	10	Surface	Uranium-238	pCi/g	3.15E+00	5.51E+01		1.42E-02	8.05E-01
204	11	Surface	Iron	mg/kg	3.05E+04	2.61E-04		2.25E-04	
204	11	Surface	Vanadium	mg/kg	1.43E+02	1.22E-06		1.05E-06	
204	11	Surface	PAH, Total	mg/kg	8.95E-02	7.66E-10	6.91E-09	6.59E-10	
204	11	Surface	Uranium-238	pCi/g	3.09E+00	5.41E+01		1.40E-02	7.90E-01
204	12	Surface	Iron	mg/kg	2.86E+04	2.45E-04		2.11E-04	
204	12	Surface	Thallium	mg/kg	2.10E-01	1.80E-09		1.55E-09	
204	12	Surface	Vanadium	mg/kg	1.44E+02	1.23E-06		1.06E-06	
204	12	Surface	PAH, Total	mg/kg	6.43E-02	5.51E-10	4.97E-09	4.74E-10	
204	12	Surface	Uranium-238	pCi/g	3.26E+00	5.70E+01		1.47E-02	8.34E-01
204	13	Surface	Chromium	mg/kg	1.70E+01	1.46E-07		1.25E-07	
204	13	Surface	Vanadium	mg/kg	1.45E+02	1.24E-06		1.07E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.10. Cancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
204	13	Surface	PAH, Total	mg/kg	5.05E-01	4.32E-09	3.90E-08	3.72E-09	
204	13	Surface	Uranium-238	pCi/g	2.98E+00	5.21E+01		1.35E-02	7.62E-01
204	14	Surface	Arsenic	mg/kg	1.36E+02	1.16E-06	2.42E-06	1.00E-06	
204	14	Surface	Chromium	mg/kg	1.70E+01	1.46E-07		1.25E-07	
204	14	Surface	Iron	mg/kg	3.17E+04	2.71E-04		2.34E-04	
204	14	Surface	Uranium	mg/kg	1.34E+02	1.15E-06		9.87E-07	
204	14	Surface	Vanadium	mg/kg	1.43E+02	1.22E-06		1.05E-06	
204	14	Surface	PAH, Total	mg/kg	1.28E-01	1.09E-09	9.86E-09	9.40E-10	
204	14	Surface	Uranium-238	pCi/g	4.25E+00	7.44E+01		1.92E-02	1.09E+00
204	15	Surface	Iron	mg/kg	2.90E+04	2.49E-04		2.14E-04	
204	15	Surface	Vanadium	mg/kg	1.13E+02	9.67E-07		8.32E-07	
204	15	Surface	PAH, Total	mg/kg	1.25E-02	1.07E-10	9.62E-10	9.18E-11	
204	15	Surface	Cesium-137	pCi/g	6.30E-01	8.38E+00		2.16E-03	1.23E-01
204	15	Surface	Uranium-238	pCi/g	5.37E+00	9.40E+01		2.43E-02	1.37E+00
204	16	Surface	Iron	mg/kg	2.89E+04	2.48E-04		2.13E-04	
204	16	Surface	Vanadium	mg/kg	1.22E+02	1.04E-06		8.99E-07	
204	16	Surface	PAH, Total	mg/kg	1.45E-02	1.24E-10	1.12E-09	1.07E-10	
204	17	Surface	Iron	mg/kg	2.98E+04	2.55E-04		2.20E-04	
204	17	Surface	Vanadium	mg/kg	1.22E+02	1.04E-06		8.99E-07	
204	17	Surface	PAH, Total	mg/kg	5.99E-02	5.13E-10	4.63E-09	4.41E-10	
204	17	Surface	Uranium-238	pCi/g	2.50E+00	4.37E+01		1.13E-02	6.39E-01
204	18	Surface	Iron	mg/kg	3.35E+04	2.87E-04		2.47E-04	
204	18	Surface	Uranium	mg/kg	1.09E+02	9.33E-07		8.03E-07	
204	18	Surface	Vanadium	mg/kg	1.51E+02	1.29E-06		1.11E-06	
204	18	Surface	PAH, Total	mg/kg	7.04E-03	6.03E-11	5.44E-10	5.18E-11	
204	18	Surface	Uranium-238	pCi/g	1.81E+00	3.17E+01		8.17E-03	4.63E-01
204	19	Surface	Silver	mg/kg	5.50E+01	4.71E-07		4.05E-07	
204	19	Surface	Uranium	mg/kg	8.50E+01	7.28E-07		6.26E-07	
204	19	Surface	Vanadium	mg/kg	1.06E+02	9.08E-07		7.81E-07	
204	19	Surface	PAH, Total	mg/kg	1.30E-01	1.11E-09	1.00E-08	9.55E-10	
204	19	Surface	Uranium-238	pCi/g	2.65E+00	4.64E+01		1.20E-02	6.78E-01
204	2	Surface	Arsenic	mg/kg	4.59E+01	3.93E-07	8.18E-07	3.38E-07	
204	2	Surface	Chromium	mg/kg	1.84E+01	1.57E-07		1.35E-07	
204	2	Surface	Vanadium	mg/kg	1.20E+02	1.03E-06		8.85E-07	
204	2	Surface	PAH, Total	mg/kg	6.20E-02	5.31E-10	4.79E-09	4.57E-10	
204	2	Surface	Uranium-238	pCi/g	3.92E+00	6.86E+01		1.77E-02	1.00E+00
204	20	Surface	Chromium	mg/kg	1.75E+02	1.50E-06		1.29E-06	
204	20	Surface	Uranium	mg/kg	1.31E+04	1.12E-04		9.63E-05	
204	20	Surface	Vanadium	mg/kg	1.14E+02	9.76E-07		8.40E-07	
204	20	Surface	PCB, Total	mg/kg	7.90E+01	6.76E-07	6.57E-06	5.82E-07	
204	20	Surface	Americium-241	pCi/g	3.71E+00	6.36E+01		1.64E-02	9.30E-01
204	20	Surface	Cesium-137	pCi/g	1.17E+00	1.56E+01		4.03E-03	2.28E-01
204	20	Surface	Protactinium-231	pCi/g	3.65E+01	6.38E+02		1.65E-01	9.32E+00
204	20	Surface	Uranium-234	pCi/g	4.45E+02	7.79E+03		2.01E+00	1.14E+02
204	20	Surface	Uranium-235	pCi/g	5.70E+01	9.97E+02		2.57E-01	1.46E+01

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.10. Cancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
204	20	Surface	Uranium-238	pCi/g	4.39E+03	7.68E+04		1.98E+01	1.12E+03
204	21	Surface	Cobalt	mg/kg	1.80E+01	1.54E-07		1.33E-07	
204	21	Surface	Vanadium	mg/kg	1.19E+02	1.02E-06		8.76E-07	
204	3	Surface	Chromium	mg/kg	1.80E+01	1.54E-07		1.33E-07	
204	3	Surface	Silver	mg/kg	5.40E+01	4.62E-07		3.98E-07	
204	3	Surface	Vanadium	mg/kg	1.22E+02	1.04E-06		8.99E-07	
204	3	Surface	PAH, Total	mg/kg	3.52E-02	3.01E-10	2.72E-09	2.59E-10	
204	3	Surface	Uranium-238	pCi/g	2.31E+00	4.04E+01		1.04E-02	5.91E-01
204	4	Surface	Iron	mg/kg	2.92E+04	2.50E-04		2.15E-04	
204	4	Surface	Molybdenum	mg/kg	4.10E+01	3.51E-07		3.02E-07	
204	4	Surface	Silver	mg/kg	5.90E+01	5.05E-07		4.35E-07	
204	4	Surface	Vanadium	mg/kg	1.39E+02	1.19E-06		1.02E-06	
204	4	Surface	PAH, Total	mg/kg	2.33E-02	1.99E-10	1.80E-09	1.72E-10	
204	4	Surface	Uranium-238	pCi/g	1.82E+00	3.18E+01		8.22E-03	4.65E-01
204	5	Surface	Arsenic	mg/kg	5.67E+01	4.86E-07	1.01E-06	4.18E-07	
204	5	Surface	Chromium	mg/kg	1.61E+01	1.38E-07		1.18E-07	
204	5	Surface	Vanadium	mg/kg	1.21E+02	1.04E-06		8.93E-07	
204	5	Surface	PAH, Total	mg/kg	2.04E-02	1.75E-10	1.58E-09	1.50E-10	
204	5	Surface	Uranium-238	pCi/g	5.65E+00	9.88E+01		2.55E-02	1.44E+00
204	6	Surface	Vanadium	mg/kg	1.25E+02	1.07E-06		9.21E-07	
204	6	Surface	PAH, Total	mg/kg	3.25E-02	2.78E-10	2.51E-09	2.39E-10	
204	6	Surface	Uranium-238	pCi/g	3.63E+00	6.35E+01		1.64E-02	9.28E-01
204	7	Surface	Iron	mg/kg	2.95E+04	2.52E-04		2.17E-04	
204	7	Surface	Manganese	mg/kg	1.94E+03	1.66E-05		1.43E-05	
204	7	Surface	Vanadium	mg/kg	1.27E+02	1.09E-06		9.35E-07	
204	7	Surface	PAH, Total	mg/kg	9.68E-03	8.29E-11	7.48E-10	7.13E-11	
204	7	Surface	Uranium-238	pCi/g	2.04E+00	3.57E+01		9.21E-03	5.22E-01
204	8	Surface	Chromium	mg/kg	1.70E+01	1.46E-07		1.25E-07	
204	8	Surface	Cobalt	mg/kg	1.40E+01	1.20E-07		1.03E-07	
204	8	Surface	Iron	mg/kg	2.94E+04	2.52E-04		2.17E-04	
204	8	Surface	Vanadium	mg/kg	1.32E+02	1.13E-06		9.72E-07	
204	8	Surface	PAH, Total	mg/kg	7.37E-02	6.31E-10	5.69E-09	5.42E-10	
204	8	Surface	Uranium-238	pCi/g	2.01E+00	3.52E+01		9.08E-03	5.14E-01
204	9	Surface	Chromium	mg/kg	1.80E+01	1.54E-07		1.33E-07	
204	9	Surface	Iron	mg/kg	2.96E+04	2.54E-04		2.18E-04	
204	9	Surface	Vanadium	mg/kg	1.37E+02	1.17E-06		1.01E-06	
204	9	Surface	PAH, Total	mg/kg	5.01E+00	4.29E-08	3.87E-07	3.69E-08	
204	9	Surface	Uranium-238	pCi/g	2.22E+00	3.88E+01		1.00E-02	5.68E-01
211	1	Surface	Antimony	mg/kg	6.52E+01	5.58E-07		4.80E-07	
211	1	Surface	Chromium	mg/kg	4.48E+01	3.83E-07		3.30E-07	
211	1	Surface	Iron	mg/kg	3.05E+04	2.61E-04		2.24E-04	
211	1	Surface	Thallium	mg/kg	3.30E-01	2.83E-09		2.43E-09	
211	1	Surface	Vanadium	mg/kg	1.01E+02	8.65E-07		7.44E-07	
211	1	Surface	PAH, Total	mg/kg	1.04E-01	8.89E-10	8.02E-09	7.65E-10	
211	1	Surface	PCB, Total	mg/kg	3.60E-01	3.08E-09	2.99E-08	2.65E-09	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.10. Cancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
211	1	Surface	Cesium-137	pCi/g	1.67E+00	2.22E+01		5.74E-03	3.25E-01
211	1	Surface	Neptunium-237	pCi/g	5.93E+00	1.04E+02		2.68E-02	1.52E+00
211	1	Surface	Uranium-234	pCi/g	6.69E+01	1.17E+03		3.02E-01	1.71E+01
211	1	Surface	Uranium-238	pCi/g	1.19E+02	2.08E+03		5.37E-01	3.04E+01
224	1	Surface	Antimony	mg/kg	1.08E+02	9.25E-07		7.96E-07	
224	1	Surface	Uranium	mg/kg	4.15E+01	3.55E-07		3.06E-07	
224	1	Surface	PAH, Total	mg/kg	5.95E-01	5.10E-09	4.60E-08	4.39E-09	
224	1	Surface	Uranium-238	pCi/g	1.39E+01	2.43E+02		6.28E-02	3.55E+00
225	1	Surface	Antimony	mg/kg	5.41E+01	4.63E-07		3.99E-07	
225	1	Surface	Chromium	mg/kg	2.55E+01	2.18E-07		1.88E-07	
225	1	Surface	Thallium	mg/kg	2.80E-01	2.40E-09		2.06E-09	
225	1	Surface	Vanadium	mg/kg	1.09E+02	9.33E-07		8.03E-07	
225	1	Surface	PAH, Total	mg/kg	7.79E-02	6.67E-10	6.01E-09	5.73E-10	
225	1	Surface	Uranium-238	pCi/g	2.04E+00	3.57E+01		9.21E-03	5.22E-01
26	1	Surface	Chromium	mg/kg	1.67E+01	1.43E-07		1.23E-07	
26	1	Surface	Iron	mg/kg	2.88E+04	2.46E-04		2.12E-04	
26	1	Surface	Uranium	mg/kg	6.28E+02	5.38E-06		4.63E-06	
26	1	Surface	Vanadium	mg/kg	1.61E+02	1.38E-06		1.19E-06	
26	1	Surface	PAH, Total	mg/kg	1.97E-01	1.69E-09	1.52E-08	1.45E-09	
26	1	Surface	PCB, Total	mg/kg	9.40E+00	8.05E-08	7.82E-07	6.92E-08	
26	1	Surface	Uranium-234	pCi/g	7.78E+00	1.36E+02		3.51E-02	1.99E+00
26	1	Surface	Uranium-235	pCi/g	1.23E+00	2.15E+01		5.56E-03	3.15E-01
26	1	Surface	Uranium-238	pCi/g	6.75E+01	1.18E+03		3.05E-01	1.73E+01
26	2	Surface	Aluminum	mg/kg	2.61E+04	2.23E-04		1.92E-04	
26	2	Surface	Arsenic	mg/kg	4.23E+01	3.62E-07	7.53E-07	3.11E-07	
26	2	Surface	Beryllium	mg/kg	1.13E+01	9.63E-08		8.29E-08	
26	2	Surface	Chromium	mg/kg	4.12E+01	3.53E-07		3.04E-07	
26	2	Surface	Cobalt	mg/kg	6.59E+01	5.64E-07		4.85E-07	
26	2	Surface	Iron	mg/kg	5.20E+04	4.45E-04		3.83E-04	
26	2	Surface	Nickel	mg/kg	1.03E+02	8.79E-07		7.56E-07	
26	2	Surface	Thallium	mg/kg	2.38E+01	2.04E-07		1.75E-07	
26	2	Surface	Uranium	mg/kg	7.18E+02	6.15E-06		5.29E-06	
26	2	Surface	Vanadium	mg/kg	1.16E+02	9.91E-07		8.52E-07	
26	2	Surface	PCB, Total	mg/kg	3.25E+00	2.78E-08	2.71E-07	2.40E-08	
26	2	Surface	Cesium-137	pCi/g	9.52E+00	1.27E+02		3.27E-02	1.85E+00
26	2	Surface	Neptunium-237	pCi/g	2.15E-01	3.76E+00		9.71E-04	5.50E-02
26	2	Surface	Radium-228	pCi/g	1.69E+00	9.30E+00		2.40E-03	1.36E-01
26	2	Surface	Thorium-230	pCi/g	3.59E+00	6.29E+01		1.62E-02	9.19E-01
26	2	Surface	Uranium-234	pCi/g	1.98E+01	3.46E+02		8.93E-02	5.06E+00
26	2	Surface	Uranium-235	pCi/g	2.36E+00	4.13E+01		1.07E-02	6.03E-01
26	2	Surface	Uranium-238	pCi/g	5.01E+01	8.76E+02		2.26E-01	1.28E+01
26	3	Surface	Arsenic	mg/kg	7.56E+01	6.47E-07	1.35E-06	5.57E-07	
26	3	Surface	Chromium	mg/kg	4.56E+01	3.90E-07		3.36E-07	
26	3	Surface	Iron	mg/kg	3.46E+04	2.96E-04		2.55E-04	
26	3	Surface	Molybdenum	mg/kg	4.07E+01	3.49E-07		3.00E-07	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.10. Cancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
26	3	Surface	Thallium	mg/kg	3.68E+00	3.15E-08		2.71E-08	
26	3	Surface	Uranium	mg/kg	2.05E+02	1.75E-06		1.51E-06	
26	3	Surface	Vanadium	mg/kg	1.44E+02	1.23E-06		1.06E-06	
26	3	Surface	PAH, Total	mg/kg	3.30E-01	2.83E-09	2.55E-08	2.43E-09	
26	3	Surface	PCB, Total	mg/kg	8.91E+00	7.63E-08	7.41E-07	6.56E-08	
26	3	Surface	Cesium-137	pCi/g	4.51E+00	6.01E+01		1.55E-02	8.78E-01
26	3	Surface	Neptunium-237	pCi/g	3.70E-01	6.47E+00		1.67E-03	9.46E-02
26	3	Surface	Uranium-234	pCi/g	5.02E+00	8.78E+01		2.27E-02	1.28E+00
26	3	Surface	Uranium-235	pCi/g	3.15E-01	5.51E+00		1.42E-03	8.05E-02
26	3	Surface	Uranium-238	pCi/g	7.00E+00	1.22E+02		3.16E-02	1.79E+00
26	4	Surface	Aluminum	mg/kg	1.11E+04	9.52E-05		8.19E-05	
26	4	Surface	Arsenic	mg/kg	6.01E+01	5.15E-07	1.07E-06	4.43E-07	
26	4	Surface	Chromium	mg/kg	1.14E+02	9.79E-07		8.42E-07	
26	4	Surface	Iron	mg/kg	2.81E+04	2.41E-04		2.07E-04	
26	4	Surface	Mercury	mg/kg	7.33E+01	6.27E-07		5.40E-07	
26	4	Surface	Molybdenum	mg/kg	3.49E+01	2.99E-07		2.57E-07	
26	4	Surface	Nickel	mg/kg	8.10E+01	6.93E-07		5.96E-07	
26	4	Surface	Uranium	mg/kg	1.47E+03	1.26E-05		1.08E-05	
26	4	Surface	Vanadium	mg/kg	1.42E+02	1.21E-06		1.05E-06	
26	4	Surface	PAH, Total	mg/kg	5.53E+00	4.73E-08	4.27E-07	4.07E-08	
26	4	Surface	PCB, Total	mg/kg	7.95E+00	6.81E-08	6.61E-07	5.86E-08	
26	4	Surface	Cesium-137	pCi/g	1.02E+00	1.36E+01		3.51E-03	1.99E-01
26	4	Surface	Neptunium-237	pCi/g	2.80E+00	4.89E+01		1.26E-02	7.15E-01
26	4	Surface	Plutonium-239/240	pCi/g	1.35E+01	2.36E+02		6.10E-02	3.45E+00
26	4	Surface	Technetium-99	pCi/g	8.36E+02	1.46E+04		3.77E+00	2.14E+02
26	4	Surface	Thorium-230	pCi/g	5.48E+01	9.58E+02		2.47E-01	1.40E+01
26	4	Surface	Uranium-234	pCi/g	2.15E+02	3.77E+03		9.73E-01	5.51E+01
26	4	Surface	Uranium-235	pCi/g	1.52E+01	2.65E+02		6.84E-02	3.87E+00
26	4	Surface	Uranium-238	pCi/g	8.49E+02	1.49E+04		3.84E+00	2.17E+02
77	1	Surface	Chromium	mg/kg	8.30E+01	7.11E-07		6.11E-07	
77	1	Surface	Iron	mg/kg	5.03E+04	4.31E-04		3.71E-04	
77	1	Surface	Uranium	mg/kg	6.66E+02	5.70E-06		4.90E-06	
77	1	Surface	Vanadium	mg/kg	1.68E+02	1.44E-06		1.24E-06	
77	1	Surface	PAH, Total	mg/kg	7.02E-02	6.01E-10	5.42E-09	5.17E-10	
77	1	Surface	PCB, Total	mg/kg	5.00E+00	4.28E-08	4.16E-07	3.68E-08	
77	1	Surface	Thorium-230	pCi/g	1.03E+01	1.80E+02		4.65E-02	2.63E+00
77	1	Surface	Uranium-238	pCi/g	1.53E+01	2.68E+02		6.91E-02	3.91E+00
80	1	Surface	Uranium	mg/kg	9.80E+01	8.39E-07		7.22E-07	
80	1	Surface	Dioxins/Furans, Total	mg/kg	8.82E-05	7.55E-13	1.57E-12	6.50E-13	
80	1	Surface	PCB, Total	mg/kg	1.20E+02	1.03E-06	9.98E-06	8.84E-07	
80	2	Surface	Antimony	mg/kg	5.82E+01	4.98E-07		4.28E-07	
80	2	Surface	Chromium	mg/kg	1.65E+02	1.41E-06		1.22E-06	
80	2	Surface	Cobalt	mg/kg	1.90E+01	1.63E-07		1.40E-07	
80	2	Surface	Iron	mg/kg	3.52E+04	3.01E-04		2.59E-04	
80	2	Surface	Uranium	mg/kg	5.72E+03	4.90E-05		4.22E-05	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.10. Cancerous CDIs for the Current Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
80	2	Surface	Vanadium	mg/kg	1.29E+02	1.10E-06		9.50E-07	
80	2	Surface	PAH, Total	mg/kg	7.21E-01	6.18E-09	5.57E-08	5.31E-09	
80	2	Surface	PCB, Total	mg/kg	1.26E+01	1.08E-07	1.05E-06	9.28E-08	
80	2	Surface	Americium-241	pCi/g	6.40E+00	1.10E+02		2.83E-02	1.60E+00
80	2	Surface	Cesium-137	pCi/g	8.40E-01	1.12E+01		2.89E-03	1.63E-01
80	2	Surface	Neptunium-237	pCi/g	5.05E-01	8.84E+00		2.28E-03	1.29E-01
80	2	Surface	Uranium-234	pCi/g	2.29E+02	4.01E+03		1.03E+00	5.86E+01
80	2	Surface	Uranium-235	pCi/g	3.00E+01	5.25E+02		1.35E-01	7.67E+00
80	2	Surface	Uranium-238	pCi/g	1.92E+03	3.36E+04		8.68E+00	4.91E+02
80	3	Surface	Chromium	mg/kg	1.81E+01	1.55E-07		1.34E-07	
80	3	Surface	Iron	mg/kg	3.05E+04	2.61E-04		2.25E-04	
80	3	Surface	Manganese	mg/kg	9.46E+02	8.10E-06		6.97E-06	
80	3	Surface	Molybdenum	mg/kg	2.33E+01	2.00E-07		1.72E-07	
80	3	Surface	Uranium	mg/kg	7.32E+01	6.27E-07		5.39E-07	
80	3	Surface	Vanadium	mg/kg	1.21E+02	1.03E-06		8.89E-07	
80	3	Surface	PCB, Total	mg/kg	5.66E+02	4.85E-06	4.71E-05	4.17E-06	
80	3	Surface	Uranium-238	pCi/g	1.59E+00	2.78E+01		7.18E-03	4.07E-01

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.11. Noncancerous CDIs for the Future Industrial Worker

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	1	Surface	Vanadium	mg/kg	3.23E+01	1.38E-05		1.19E-08
13	10	Surface	Iron	mg/kg	3.80E+04	1.63E-02		1.40E-05
13	10	Surface	Manganese	mg/kg	3.09E+03	1.32E-03		1.14E-06
13	10	Surface	Silver	mg/kg	5.40E+01	2.31E-05		1.99E-08
13	10	Surface	Vanadium	mg/kg	1.30E+02	5.57E-05		4.79E-08
13	11	Surface	Silver	mg/kg	1.03E+02	4.40E-05		3.79E-08
13	11	Surface	Vanadium	mg/kg	1.14E+02	4.86E-05		4.18E-08
13	11	Surface	PCB, Total	mg/kg	1.03E+01	4.43E-06	4.30E-05	3.81E-09
13	12	Surface	Iron	mg/kg	2.30E+04	9.85E-03		8.47E-06
13	12	Surface	Manganese	mg/kg	1.35E+03	5.79E-04		4.98E-07
13	12	Surface	Silver	mg/kg	8.88E+01	3.80E-05		3.27E-08
13	12	Surface	Vanadium	mg/kg	1.16E+02	4.97E-05		4.28E-08
13	13	Surface	Iron	mg/kg	2.89E+04	1.24E-02		1.07E-05
13	13	Surface	Manganese	mg/kg	1.13E+03	4.82E-04		4.15E-07
13	13	Surface	Molybdenum	mg/kg	2.73E+01	1.17E-05		1.00E-08
13	13	Surface	Vanadium	mg/kg	1.19E+02	5.07E-05		4.36E-08
13	14	Surface	Vanadium	mg/kg	1.22E+02	5.24E-05		4.51E-08
13	14	Surface	PAH, Total	mg/kg	3.27E-02	1.40E-08	1.26E-07	1.20E-11
13	14	Surface	PCB, Total	mg/kg	6.46E+00	2.77E-06	2.69E-05	2.38E-09
13	14	Surface	Uranium-238	pCi/g	2.07E+00	8.86E-07		7.62E-10
13	2	Surface	Iron	mg/kg	2.47E+04	1.06E-02		9.11E-06
13	2	Surface	Manganese	mg/kg	1.22E+03	5.24E-04		4.51E-07
13	2	Surface	Vanadium	mg/kg	9.38E+01	4.02E-05		3.46E-08
13	2	Surface	Uranium-238	pCi/g	1.40E+00	5.99E-07		5.16E-10
13	3	Surface	Iron	mg/kg	2.63E+04	1.13E-02		9.69E-06
13	3	Surface	Manganese	mg/kg	1.09E+03	4.68E-04		4.03E-07
13	3	Surface	Molybdenum	mg/kg	2.19E+01	9.38E-06		8.06E-09
13	3	Surface	Vanadium	mg/kg	9.88E+01	4.23E-05		3.64E-08
13	3	Surface	PAH, Total	mg/kg	2.15E-02	9.20E-09	8.30E-08	7.92E-12
13	4	Surface	Iron	mg/kg	2.75E+04	1.18E-02		1.01E-05
13	4	Surface	Vanadium	mg/kg	9.81E+01	4.20E-05		3.61E-08
13	4	Surface	PAH, Total	mg/kg	4.13E-01	1.77E-07	1.60E-06	1.52E-10
13	4	Surface	PCB, Total	mg/kg	1.05E+01	4.50E-06	4.38E-05	3.87E-09
13	4	Surface	Uranium-238	pCi/g	1.78E+00	7.61E-07		6.55E-10
13	5	Surface	Aluminum	mg/kg	9.83E+03	4.21E-03		3.62E-06
13	5	Surface	Chromium	mg/kg	1.38E+01	5.89E-06		5.07E-09
13	5	Surface	Iron	mg/kg	2.42E+04	1.04E-02		8.91E-06
13	5	Surface	Manganese	mg/kg	9.08E+02	3.89E-04		3.35E-07
13	5	Surface	Uranium	mg/kg	7.41E+01	3.17E-05		2.73E-08
13	5	Surface	Vanadium	mg/kg	1.06E+02	4.52E-05		3.88E-08
13	5	Surface	PAH, Total	mg/kg	4.41E-01	1.89E-07	1.70E-06	1.62E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.11. Noncancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	5	Surface	PCB, Total	mg/kg	6.66E+00	2.85E-06	2.77E-05	2.45E-09
13	5	Surface	Neptunium-237	pCi/g	3.88E-01	1.66E-07		1.43E-10
13	5	Surface	Technetium-99	pCi/g	1.07E+02	4.57E-05		3.93E-08
13	5	Surface	Uranium-234	pCi/g	2.57E+01	1.10E-05		9.47E-09
13	5	Surface	Uranium-235	pCi/g	2.95E+00	1.26E-06		1.08E-09
13	5	Surface	Uranium-238	pCi/g	4.60E+01	1.97E-05		1.69E-08
13	6	Surface	Iron	mg/kg	3.09E+04	1.32E-02		1.14E-05
13	6	Surface	Uranium	mg/kg	3.70E+01	1.58E-05		1.36E-08
13	6	Surface	Vanadium	mg/kg	1.20E+02	5.13E-05		4.42E-08
13	6	Surface	PAH, Total	mg/kg	6.51E-01	2.79E-07	2.51E-06	2.40E-10
13	6	Surface	PCB, Total	mg/kg	1.08E+01	4.61E-06	4.48E-05	3.96E-09
13	6	Surface	Neptunium-237	pCi/g	1.25E+00	5.35E-07		4.60E-10
13	6	Surface	Technetium-99	pCi/g	9.50E+01	4.07E-05		3.50E-08
13	6	Surface	Uranium-234	pCi/g	2.04E+01	8.72E-06		7.50E-09
13	6	Surface	Uranium-235	pCi/g	1.40E+00	5.98E-07		5.14E-10
13	6	Surface	Uranium-238	pCi/g	4.17E+01	1.79E-05		1.54E-08
13	7	Surface	Iron	mg/kg	2.78E+04	1.19E-02		1.03E-05
13	7	Surface	Silver	mg/kg	1.85E+02	7.90E-05		6.79E-08
13	7	Surface	Vanadium	mg/kg	1.22E+02	5.21E-05		4.48E-08
13	7	Surface	Uranium-238	pCi/g	1.30E+00	5.57E-07		4.79E-10
13	8	Surface	Iron	mg/kg	2.41E+04	1.03E-02		8.88E-06
13	8	Surface	Manganese	mg/kg	1.12E+03	4.80E-04		4.13E-07
13	8	Surface	Vanadium	mg/kg	9.97E+01	4.27E-05		3.67E-08
13	8	Surface	PAH, Total	mg/kg	1.22E-02	5.22E-09	4.71E-08	4.49E-12
13	9	Surface	Chromium	mg/kg	1.43E+01	6.13E-06		5.28E-09
13	9	Surface	Vanadium	mg/kg	1.17E+02	4.99E-05		4.29E-08
13	9	Surface	PAH, Total	mg/kg	2.65E-02	1.13E-08	1.02E-07	9.76E-12
13	9	Surface	Neptunium-237	pCi/g	6.88E-01	2.95E-07		2.53E-10
13	9	Surface	Uranium-238	pCi/g	4.07E+00	1.74E-06		1.50E-09
15	1	Surface	Antimony	mg/kg	7.49E+01	3.21E-05		2.76E-08
15	1	Surface	Arsenic	mg/kg	1.27E+01	5.42E-06	1.13E-05	4.66E-09
15	1	Surface	Cadmium	mg/kg	1.56E+01	6.68E-06	4.64E-07	5.75E-09
15	1	Surface	Chromium	mg/kg	8.21E+01	3.51E-05		3.02E-08
15	1	Surface	Iron	mg/kg	2.95E+04	1.26E-02		1.09E-05
15	1	Surface	Nickel	mg/kg	1.32E+02	5.64E-05		4.85E-08
15	1	Surface	Thallium	mg/kg	2.40E-01	1.03E-07		8.84E-11
15	1	Surface	Uranium	mg/kg	3.26E+01	1.39E-05		1.20E-08
15	1	Surface	PAH, Total	mg/kg	1.71E+00	7.34E-07	6.62E-06	6.31E-10
15	1	Surface	Uranium-238	pCi/g	1.85E+00	7.92E-07		6.81E-10
15	10	Surface	Antimony	mg/kg	1.25E+02	5.35E-05		4.60E-08
15	10	Surface	Cadmium	mg/kg	1.67E+01	7.15E-06	4.96E-07	6.15E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.11. Noncancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	10	Surface	Chromium	mg/kg	3.55E+01	1.52E-05		1.31E-08
15	10	Surface	Mercury	mg/kg	7.84E+00	3.36E-06		2.89E-09
15	10	Surface	Nickel	mg/kg	2.26E+02	9.69E-05		8.34E-08
15	10	Surface	Uranium	mg/kg	9.02E+01	3.86E-05		3.32E-08
15	10	Surface	PAH, Total	mg/kg	1.28E-01	5.50E-08	4.96E-07	4.73E-11
15	2	Surface	Antimony	mg/kg	9.83E+01	4.21E-05		3.62E-08
15	2	Surface	Arsenic	mg/kg	1.63E+01	6.96E-06	1.45E-05	5.99E-09
15	2	Surface	Chromium	mg/kg	5.90E+01	2.53E-05		2.17E-08
15	2	Surface	Iron	mg/kg	3.89E+04	1.66E-02		1.43E-05
15	2	Surface	Mercury	mg/kg	9.33E+00	3.99E-06		3.44E-09
15	2	Surface	Nickel	mg/kg	1.97E+02	8.44E-05		7.26E-08
15	2	Surface	Uranium	mg/kg	1.32E+02	5.64E-05		4.85E-08
15	2	Surface	PAH, Total	mg/kg	2.11E+00	9.02E-07	8.14E-06	7.76E-10
15	2	Surface	PCB, Total	mg/kg	3.30E-01	1.41E-07	1.37E-06	1.22E-10
15	2	Surface	Uranium-234	pCi/g	6.51E+00	2.79E-06		2.40E-09
15	2	Surface	Uranium-235	pCi/g	3.80E-01	1.63E-07		1.40E-10
15	2	Surface	Uranium-238	pCi/g	1.21E+01	5.18E-06		4.46E-09
15	3	Surface	Antimony	mg/kg	7.10E+01	3.04E-05		2.61E-08
15	3	Surface	Arsenic	mg/kg	2.74E+01	1.17E-05	2.44E-05	1.01E-08
15	3	Surface	Cadmium	mg/kg	1.25E+01	5.36E-06	3.72E-07	4.61E-09
15	3	Surface	Chromium	mg/kg	7.53E+01	3.23E-05		2.77E-08
15	3	Surface	Cobalt	mg/kg	3.41E+01	1.46E-05		1.26E-08
15	3	Surface	Copper	mg/kg	1.60E+03	6.86E-04		5.90E-07
15	3	Surface	Iron	mg/kg	9.20E+04	3.94E-02		3.39E-05
15	3	Surface	Manganese	mg/kg	1.60E+03	6.87E-04		5.91E-07
15	3	Surface	Mercury	mg/kg	1.05E+01	4.49E-06		3.86E-09
15	3	Surface	Nickel	mg/kg	8.38E+02	3.59E-04		3.08E-07
15	3	Surface	Thallium	mg/kg	2.60E-01	1.11E-07		9.57E-11
15	3	Surface	Uranium	mg/kg	2.16E+02	9.25E-05		7.95E-08
15	3	Surface	Vanadium	mg/kg	7.31E+01	3.13E-05		2.69E-08
15	3	Surface	PAH, Total	mg/kg	1.45E+00	6.22E-07	5.62E-06	5.35E-10
15	3	Surface	PCB, Total	mg/kg	6.82E+00	2.92E-06	2.84E-05	2.51E-09
15	3	Surface	Neptunium-237	pCi/g	3.24E+00	1.38E-06		1.19E-09
15	3	Surface	Technetium-99	pCi/g	2.90E+02	1.24E-04		1.07E-07
15	3	Surface	Thorium-230	pCi/g	5.14E+00	2.20E-06		1.89E-09
15	3	Surface	Uranium-234	pCi/g	1.40E+02	6.00E-05		5.16E-08
15	3	Surface	Uranium-235	pCi/g	1.49E+01	6.37E-06		5.48E-09
15	3	Surface	Uranium-238	pCi/g	8.68E+02	3.71E-04		3.19E-07
15	4	Surface	Antimony	mg/kg	7.63E+01	3.27E-05		2.81E-08
15	4	Surface	Arsenic	mg/kg	3.37E+01	1.44E-05	3.00E-05	1.24E-08
15	4	Surface	Cadmium	mg/kg	1.86E+01	7.95E-06	5.52E-07	6.84E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.11. Noncancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	4	Surface	Chromium	mg/kg	9.02E+01	3.86E-05		3.32E-08
15	4	Surface	Copper	mg/kg	5.99E+02	2.56E-04		2.21E-07
15	4	Surface	Iron	mg/kg	6.90E+04	2.95E-02		2.54E-05
15	4	Surface	Manganese	mg/kg	1.29E+03	5.51E-04		4.74E-07
15	4	Surface	Mercury	mg/kg	3.04E+01	1.30E-05		1.12E-08
15	4	Surface	Nickel	mg/kg	1.24E+03	5.31E-04		4.57E-07
15	4	Surface	Thallium	mg/kg	1.85E-01	7.92E-08		6.81E-11
15	4	Surface	Uranium	mg/kg	1.29E+02	5.52E-05		4.75E-08
15	4	Surface	Vanadium	mg/kg	8.43E+01	3.61E-05		3.10E-08
15	4	Surface	PAH, Total	mg/kg	1.75E+00	7.49E-07	6.75E-06	6.44E-10
15	4	Surface	PCB, Total	mg/kg	3.13E+01	1.34E-05	1.30E-04	1.15E-08
15	4	Surface	Neptunium-237	pCi/g	6.60E-01	2.83E-07		2.43E-10
15	4	Surface	Uranium-234	pCi/g	7.93E+00	3.39E-06		2.92E-09
15	4	Surface	Uranium-235	pCi/g	3.64E-01	1.56E-07		1.34E-10
15	4	Surface	Uranium-238	pCi/g	1.35E+01	5.79E-06		4.98E-09
15	5	Surface	Antimony	mg/kg	1.01E+02	4.33E-05		3.73E-08
15	5	Surface	Arsenic	mg/kg	1.28E+01	5.48E-06	1.14E-05	4.71E-09
15	5	Surface	Cadmium	mg/kg	1.46E+01	6.24E-06	4.33E-07	5.37E-09
15	5	Surface	Chromium	mg/kg	8.43E+01	3.61E-05		3.10E-08
15	5	Surface	Copper	mg/kg	5.63E+03	2.41E-03		2.07E-06
15	5	Surface	Nickel	mg/kg	3.53E+02	1.51E-04		1.30E-07
15	5	Surface	Uranium	mg/kg	1.76E+02	7.51E-05		6.46E-08
15	5	Surface	Zinc	mg/kg	1.52E+03	6.52E-04		5.61E-07
15	5	Surface	PAH, Total	mg/kg	5.11E-01	2.19E-07	1.97E-06	1.88E-10
15	5	Surface	PCB, Total	mg/kg	2.51E+01	1.08E-05	1.05E-04	9.25E-09
15	5	Surface	Neptunium-237	pCi/g	6.90E-01	2.95E-07		2.54E-10
15	5	Surface	Uranium-235	pCi/g	4.60E-01	1.97E-07		1.69E-10
15	5	Surface	Uranium-238	pCi/g	1.03E+01	4.41E-06		3.79E-09
15	6	Surface	Antimony	mg/kg	8.85E+01	3.79E-05		3.26E-08
15	6	Surface	Arsenic	mg/kg	1.24E+01	5.32E-06	1.11E-05	4.58E-09
15	6	Surface	Cadmium	mg/kg	1.64E+01	7.00E-06	4.86E-07	6.02E-09
15	6	Surface	Chromium	mg/kg	8.25E+01	3.53E-05		3.04E-08
15	6	Surface	Cobalt	mg/kg	1.62E+01	6.93E-06		5.97E-09
15	6	Surface	Copper	mg/kg	4.23E+02	1.81E-04		1.56E-07
15	6	Surface	Iron	mg/kg	3.29E+04	1.41E-02		1.21E-05
15	6	Surface	Nickel	mg/kg	3.00E+02	1.29E-04		1.11E-07
15	6	Surface	Uranium	mg/kg	6.30E+01	2.70E-05		2.32E-08
15	6	Surface	PAH, Total	mg/kg	1.62E+00	6.95E-07	6.27E-06	5.98E-10
15	6	Surface	PCB, Total	mg/kg	6.17E+00	2.64E-06	2.56E-05	2.27E-09
15	6	Surface	Neptunium-237	pCi/g	6.40E-01	2.74E-07		2.36E-10
15	6	Surface	Uranium-234	pCi/g	8.74E+00	3.74E-06		3.22E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.11. Noncancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	6	Surface	Uranium-235	pCi/g	5.70E-01	2.44E-07		2.10E-10
15	6	Surface	Uranium-238	pCi/g	1.54E+01	6.59E-06		5.67E-09
15	7	Surface	Antimony	mg/kg	1.37E+02	5.87E-05		5.05E-08
15	7	Surface	Arsenic	mg/kg	1.61E+01	6.88E-06	1.43E-05	5.92E-09
15	7	Surface	Cadmium	mg/kg	1.80E+01	7.70E-06	5.34E-07	6.62E-09
15	7	Surface	Chromium	mg/kg	7.97E+01	3.41E-05		2.93E-08
15	7	Surface	Copper	mg/kg	8.29E+02	3.55E-04		3.05E-07
15	7	Surface	Iron	mg/kg	3.42E+04	1.46E-02		1.26E-05
15	7	Surface	Manganese	mg/kg	1.18E+03	5.06E-04		4.36E-07
15	7	Surface	Nickel	mg/kg	5.59E+02	2.39E-04		2.06E-07
15	7	Surface	Thallium	mg/kg	3.00E-01	1.28E-07		1.10E-10
15	7	Surface	Uranium	mg/kg	5.39E+01	2.31E-05		1.98E-08
15	7	Surface	PAH, Total	mg/kg	1.59E-01	6.80E-08	6.13E-07	5.85E-11
15	7	Surface	PCB, Total	mg/kg	2.57E+01	1.10E-05	1.07E-04	9.45E-09
15	7	Surface	Uranium-234	pCi/g	6.49E+00	2.78E-06		2.39E-09
15	7	Surface	Uranium-235	pCi/g	4.50E-01	1.93E-07		1.66E-10
15	7	Surface	Uranium-238	pCi/g	8.05E+00	3.45E-06		2.96E-09
15	8	Surface	Antimony	mg/kg	7.42E+01	3.18E-05		2.73E-08
15	8	Surface	Arsenic	mg/kg	1.17E+01	4.99E-06	1.04E-05	4.29E-09
15	8	Surface	Cadmium	mg/kg	1.68E+01	7.20E-06	5.00E-07	6.19E-09
15	8	Surface	Chromium	mg/kg	7.74E+01	3.31E-05		2.85E-08
15	8	Surface	Iron	mg/kg	2.83E+04	1.21E-02		1.04E-05
15	8	Surface	Mercury	mg/kg	1.01E+01	4.31E-06		3.71E-09
15	8	Surface	Nickel	mg/kg	1.82E+02	7.78E-05		6.69E-08
15	8	Surface	Uranium	mg/kg	4.46E+01	1.91E-05		1.64E-08
15	8	Surface	PAH, Total	mg/kg	3.59E-01	1.54E-07	1.39E-06	1.32E-10
15	8	Surface	PCB, Total	mg/kg	5.01E+00	2.14E-06	2.08E-05	1.84E-09
15	8	Surface	Neptunium-237	pCi/g	3.65E-01	1.56E-07		1.34E-10
15	8	Surface	Uranium-238	pCi/g	6.64E+00	2.84E-06		2.45E-09
15	9	Surface	Antimony	mg/kg	1.12E+02	4.79E-05		4.12E-08
15	9	Surface	Arsenic	mg/kg	1.10E+01	4.73E-06	9.84E-06	4.07E-09
15	9	Surface	Cadmium	mg/kg	1.81E+01	7.75E-06	5.38E-07	6.67E-09
15	9	Surface	Chromium	mg/kg	9.56E+01	4.09E-05		3.52E-08
15	9	Surface	Iron	mg/kg	2.76E+04	1.18E-02		1.02E-05
15	9	Surface	Nickel	mg/kg	1.49E+02	6.37E-05		5.48E-08
15	9	Surface	Uranium	mg/kg	3.07E+01	1.31E-05		1.13E-08
15	9	Surface	Vanadium	mg/kg	7.33E+01	3.14E-05		2.70E-08
15	9	Surface	PAH, Total	mg/kg	2.38E-01	1.02E-07	9.20E-07	8.78E-11
15	9	Surface	PCB, Total	mg/kg	6.31E+00	2.70E-06	2.62E-05	2.32E-09
15	9	Surface	Uranium-238	pCi/g	7.12E+00	3.05E-06		2.62E-09
204	1	Surface	Aluminum	mg/kg	1.18E+04	5.04E-03		4.34E-06

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.11. Noncancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	1	Surface	Chromium	mg/kg	1.42E+01	6.07E-06		5.22E-09
204	1	Surface	Vanadium	mg/kg	1.20E+02	5.13E-05		4.42E-08
204	1	Surface	PAH, Total	mg/kg	4.93E-01	2.11E-07	1.90E-06	1.82E-10
204	1	Surface	Uranium-238	pCi/g	1.27E+00	5.45E-07		4.69E-10
204	10	Surface	Antimony	mg/kg	1.20E+01	5.14E-06		4.42E-09
204	10	Surface	Iron	mg/kg	3.08E+04	1.32E-02		1.14E-05
204	10	Surface	Vanadium	mg/kg	1.19E+02	5.09E-05		4.38E-08
204	10	Surface	PAH, Total	mg/kg	6.42E-02	2.75E-08	2.48E-07	2.36E-11
204	10	Surface	Uranium-238	pCi/g	3.15E+00	1.35E-06		1.16E-09
204	11	Surface	Iron	mg/kg	3.05E+04	1.31E-02		1.12E-05
204	11	Surface	Vanadium	mg/kg	1.43E+02	6.12E-05		5.27E-08
204	11	Surface	PAH, Total	mg/kg	8.95E-02	3.83E-08	3.46E-07	3.30E-11
204	11	Surface	Uranium-238	pCi/g	3.09E+00	1.32E-06		1.14E-09
204	12	Surface	Iron	mg/kg	2.86E+04	1.22E-02		1.05E-05
204	12	Surface	Thallium	mg/kg	2.10E-01	8.99E-08		7.73E-11
204	12	Surface	Vanadium	mg/kg	1.44E+02	6.16E-05		5.30E-08
204	12	Surface	PAH, Total	mg/kg	6.43E-02	2.75E-08	2.48E-07	2.37E-11
204	12	Surface	Uranium-238	pCi/g	3.26E+00	1.40E-06		1.20E-09
204	13	Surface	Chromium	mg/kg	1.70E+01	7.28E-06		6.26E-09
204	13	Surface	Vanadium	mg/kg	1.45E+02	6.21E-05		5.34E-08
204	13	Surface	PAH, Total	mg/kg	5.05E-01	2.16E-07	1.95E-06	1.86E-10
204	13	Surface	Uranium-238	pCi/g	2.98E+00	1.28E-06		1.10E-09
204	14	Surface	Arsenic	mg/kg	1.36E+02	5.82E-05	1.21E-04	5.01E-08
204	14	Surface	Chromium	mg/kg	1.70E+01	7.28E-06		6.26E-09
204	14	Surface	Iron	mg/kg	3.17E+04	1.36E-02		1.17E-05
204	14	Surface	Uranium	mg/kg	1.34E+02	5.74E-05		4.93E-08
204	14	Surface	Vanadium	mg/kg	1.43E+02	6.12E-05		5.27E-08
204	14	Surface	PAH, Total	mg/kg	1.28E-01	5.46E-08	4.93E-07	4.70E-11
204	14	Surface	Uranium-238	pCi/g	4.25E+00	1.82E-06		1.57E-09
204	15	Surface	Iron	mg/kg	2.90E+04	1.24E-02		1.07E-05
204	15	Surface	Vanadium	mg/kg	1.13E+02	4.84E-05		4.16E-08
204	15	Surface	PAH, Total	mg/kg	1.25E-02	5.33E-09	4.81E-08	4.59E-12
204	15	Surface	Cesium-137	pCi/g	6.30E-01	2.70E-07		2.32E-10
204	15	Surface	Uranium-238	pCi/g	5.37E+00	2.30E-06		1.98E-09
204	16	Surface	Iron	mg/kg	2.89E+04	1.24E-02		1.07E-05
204	16	Surface	Vanadium	mg/kg	1.22E+02	5.22E-05		4.49E-08
204	16	Surface	PAH, Total	mg/kg	1.45E-02	6.20E-09	5.60E-08	5.34E-12
204	17	Surface	Iron	mg/kg	2.98E+04	1.28E-02		1.10E-05
204	17	Surface	Vanadium	mg/kg	1.22E+02	5.22E-05		4.49E-08
204	17	Surface	PAH, Total	mg/kg	5.99E-02	2.56E-08	2.31E-07	2.21E-11
204	17	Surface	Uranium-238	pCi/g	2.50E+00	1.07E-06		9.21E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.11. Noncancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	18	Surface	Iron	mg/kg	3.35E+04	1.44E-02		1.24E-05
204	18	Surface	Uranium	mg/kg	1.09E+02	4.67E-05		4.01E-08
204	18	Surface	Vanadium	mg/kg	1.51E+02	6.46E-05		5.56E-08
204	18	Surface	PAH, Total	mg/kg	7.04E-03	3.01E-09	2.72E-08	2.59E-12
204	18	Surface	Uranium-238	pCi/g	1.81E+00	7.75E-07		6.67E-10
204	19	Surface	Silver	mg/kg	5.50E+01	2.35E-05		2.03E-08
204	19	Surface	Uranium	mg/kg	8.50E+01	3.64E-05		3.13E-08
204	19	Surface	Vanadium	mg/kg	1.06E+02	4.54E-05		3.90E-08
204	19	Surface	PAH, Total	mg/kg	1.30E-01	5.55E-08	5.01E-07	4.78E-11
204	19	Surface	Uranium-238	pCi/g	2.65E+00	1.13E-06		9.76E-10
204	2	Surface	Arsenic	mg/kg	4.59E+01	1.97E-05	4.09E-05	1.69E-08
204	2	Surface	Chromium	mg/kg	1.84E+01	7.87E-06		6.77E-09
204	2	Surface	Vanadium	mg/kg	1.20E+02	5.15E-05		4.43E-08
204	2	Surface	PAH, Total	mg/kg	6.20E-02	2.65E-08	2.39E-07	2.28E-11
204	2	Surface	Uranium-238	pCi/g	3.92E+00	1.68E-06		1.44E-09
204	20	Surface	Chromium	mg/kg	1.75E+02	7.49E-05		6.44E-08
204	20	Surface	Uranium	mg/kg	1.31E+04	5.60E-03		4.81E-06
204	20	Surface	Vanadium	mg/kg	1.14E+02	4.88E-05		4.20E-08
204	20	Surface	PCB, Total	mg/kg	7.90E+01	3.38E-05	3.29E-04	2.91E-08
204	20	Surface	Americium-241	pCi/g	3.71E+00	1.59E-06		1.37E-09
204	20	Surface	Cesium-137	pCi/g	1.17E+00	5.02E-07		4.32E-10
204	20	Surface	Protactinium-231	pCi/g	3.65E+01	1.56E-05		1.34E-08
204	20	Surface	Uranium-234	pCi/g	4.45E+02	1.90E-04		1.64E-07
204	20	Surface	Uranium-235	pCi/g	5.70E+01	2.44E-05		2.10E-08
204	20	Surface	Uranium-238	pCi/g	4.39E+03	1.88E-03		1.62E-06
204	21	Surface	Cobalt	mg/kg	1.80E+01	7.71E-06		6.63E-09
204	21	Surface	Vanadium	mg/kg	1.19E+02	5.09E-05		4.38E-08
204	3	Surface	Chromium	mg/kg	1.80E+01	7.71E-06		6.63E-09
204	3	Surface	Silver	mg/kg	5.40E+01	2.31E-05		1.99E-08
204	3	Surface	Vanadium	mg/kg	1.22E+02	5.22E-05		4.49E-08
204	3	Surface	PAH, Total	mg/kg	3.52E-02	1.51E-08	1.36E-07	1.30E-11
204	3	Surface	Uranium-238	pCi/g	2.31E+00	9.89E-07		8.51E-10
204	4	Surface	Iron	mg/kg	2.92E+04	1.25E-02		1.08E-05
204	4	Surface	Molybdenum	mg/kg	4.10E+01	1.76E-05		1.51E-08
204	4	Surface	Silver	mg/kg	5.90E+01	2.53E-05		2.17E-08
204	4	Surface	Vanadium	mg/kg	1.39E+02	5.95E-05		5.12E-08
204	4	Surface	PAH, Total	mg/kg	2.33E-02	9.97E-09	9.00E-08	8.58E-12
204	4	Surface	Uranium-238	pCi/g	1.82E+00	7.79E-07		6.70E-10
204	5	Surface	Arsenic	mg/kg	5.67E+01	2.43E-05	5.06E-05	2.09E-08
204	5	Surface	Chromium	mg/kg	1.61E+01	6.88E-06		5.92E-09
204	5	Surface	Vanadium	mg/kg	1.21E+02	5.19E-05		4.46E-08

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.11. Noncancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	5	Surface	PAH, Total	mg/kg	2.04E-02	8.73E-09	7.88E-08	7.51E-12
204	5	Surface	Uranium-238	pCi/g	5.65E+00	2.42E-06		2.08E-09
204	6	Surface	Vanadium	mg/kg	1.25E+02	5.35E-05		4.60E-08
204	6	Surface	PAH, Total	mg/kg	3.25E-02	1.39E-08	1.26E-07	1.20E-11
204	6	Surface	Uranium-238	pCi/g	3.63E+00	1.55E-06		1.34E-09
204	7	Surface	Iron	mg/kg	2.95E+04	1.26E-02		1.09E-05
204	7	Surface	Manganese	mg/kg	1.94E+03	8.30E-04		7.14E-07
204	7	Surface	Vanadium	mg/kg	1.27E+02	5.44E-05		4.68E-08
204	7	Surface	PAH, Total	mg/kg	9.68E-03	4.14E-09	3.74E-08	3.56E-12
204	7	Surface	Uranium-238	pCi/g	2.04E+00	8.73E-07		7.51E-10
204	8	Surface	Chromium	mg/kg	1.70E+01	7.28E-06		6.26E-09
204	8	Surface	Cobalt	mg/kg	1.40E+01	5.99E-06		5.16E-09
204	8	Surface	Iron	mg/kg	2.94E+04	1.26E-02		1.08E-05
204	8	Surface	Vanadium	mg/kg	1.32E+02	5.65E-05		4.86E-08
204	8	Surface	PAH, Total	mg/kg	7.37E-02	3.15E-08	2.84E-07	2.71E-11
204	8	Surface	Uranium-238	pCi/g	2.01E+00	8.60E-07		7.40E-10
204	9	Surface	Chromium	mg/kg	1.80E+01	7.71E-06		6.63E-09
204	9	Surface	Iron	mg/kg	2.96E+04	1.27E-02		1.09E-05
204	9	Surface	Vanadium	mg/kg	1.37E+02	5.86E-05		5.04E-08
204	9	Surface	PAH, Total	mg/kg	5.01E+00	2.14E-06	1.93E-05	1.84E-09
204	9	Surface	Uranium-238	pCi/g	2.22E+00	9.50E-07		8.17E-10
211	1	Surface	Antimony	mg/kg	6.52E+01	2.79E-05		2.40E-08
211	1	Surface	Chromium	mg/kg	4.48E+01	1.92E-05		1.65E-08
211	1	Surface	Iron	mg/kg	3.05E+04	1.30E-02		1.12E-05
211	1	Surface	Thallium	mg/kg	3.30E-01	1.41E-07		1.22E-10
211	1	Surface	Vanadium	mg/kg	1.01E+02	4.32E-05		3.72E-08
211	1	Surface	PAH, Total	mg/kg	1.04E-01	4.44E-08	4.01E-07	3.82E-11
211	1	Surface	PCB, Total	mg/kg	3.60E-01	1.54E-07	1.50E-06	1.33E-10
211	1	Surface	Cesium-137	pCi/g	1.67E+00	7.15E-07		6.15E-10
211	1	Surface	Neptunium-237	pCi/g	5.93E+00	2.54E-06		2.18E-09
211	1	Surface	Uranium-234	pCi/g	6.69E+01	2.86E-05		2.46E-08
211	1	Surface	Uranium-238	pCi/g	1.19E+02	5.09E-05		4.38E-08
224	1	Surface	Antimony	mg/kg	1.08E+02	4.63E-05		3.98E-08
224	1	Surface	Uranium	mg/kg	4.15E+01	1.78E-05		1.53E-08
224	1	Surface	PAH, Total	mg/kg	5.95E-01	2.55E-07	2.30E-06	2.19E-10
224	1	Surface	Uranium-238	pCi/g	1.39E+01	5.95E-06		5.12E-09
225	1	Surface	Antimony	mg/kg	5.41E+01	2.32E-05		1.99E-08
225	1	Surface	Chromium	mg/kg	2.55E+01	1.09E-05		9.39E-09
225	1	Surface	Thallium	mg/kg	2.80E-01	1.20E-07		1.03E-10
225	1	Surface	Vanadium	mg/kg	1.09E+02	4.67E-05		4.01E-08
225	1	Surface	PAH, Total	mg/kg	7.79E-02	3.33E-08	3.01E-07	2.87E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.11. Noncancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
225	1	Surface	Uranium-238	pCi/g	2.04E+00	8.73E-07		7.51E-10
26	1	Surface	Chromium	mg/kg	1.67E+01	7.16E-06		6.16E-09
26	1	Surface	Iron	mg/kg	2.88E+04	1.23E-02		1.06E-05
26	1	Surface	Uranium	mg/kg	6.28E+02	2.69E-04		2.31E-07
26	1	Surface	Vanadium	mg/kg	1.61E+02	6.89E-05		5.93E-08
26	1	Surface	PAH, Total	mg/kg	1.97E-01	8.43E-08	7.61E-07	7.25E-11
26	1	Surface	PCB, Total	mg/kg	9.40E+00	4.02E-06	3.91E-05	3.46E-09
26	1	Surface	Uranium-234	pCi/g	7.78E+00	3.33E-06		2.87E-09
26	1	Surface	Uranium-235	pCi/g	1.23E+00	5.27E-07		4.53E-10
26	1	Surface	Uranium-238	pCi/g	6.75E+01	2.89E-05		2.49E-08
26	2	Surface	Aluminum	mg/kg	2.61E+04	1.12E-02		9.61E-06
26	2	Surface	Arsenic	mg/kg	4.23E+01	1.81E-05	3.77E-05	1.56E-08
26	2	Surface	Beryllium	mg/kg	1.13E+01	4.82E-06		4.14E-09
26	2	Surface	Chromium	mg/kg	4.12E+01	1.76E-05		1.52E-08
26	2	Surface	Cobalt	mg/kg	6.59E+01	2.82E-05		2.43E-08
26	2	Surface	Iron	mg/kg	5.20E+04	2.22E-02		1.91E-05
26	2	Surface	Nickel	mg/kg	1.03E+02	4.40E-05		3.78E-08
26	2	Surface	Thallium	mg/kg	2.38E+01	1.02E-05		8.75E-09
26	2	Surface	Uranium	mg/kg	7.18E+02	3.07E-04		2.64E-07
26	2	Surface	Vanadium	mg/kg	1.16E+02	4.95E-05		4.26E-08
26	2	Surface	PCB, Total	mg/kg	3.25E+00	1.39E-06	1.35E-05	1.20E-09
26	2	Surface	Cesium-137	pCi/g	9.52E+00	4.08E-06		3.51E-09
26	2	Surface	Neptunium-237	pCi/g	2.15E-01	9.20E-08		7.92E-11
26	2	Surface	Radium-228	pCi/g	1.69E+00	7.23E-07		6.22E-10
26	2	Surface	Thorium-230	pCi/g	3.59E+00	1.54E-06		1.32E-09
26	2	Surface	Uranium-234	pCi/g	1.98E+01	8.46E-06		7.28E-09
26	2	Surface	Uranium-235	pCi/g	2.36E+00	1.01E-06		8.69E-10
26	2	Surface	Uranium-238	pCi/g	5.01E+01	2.14E-05		1.84E-08
26	3	Surface	Arsenic	mg/kg	7.56E+01	3.24E-05	6.74E-05	2.78E-08
26	3	Surface	Chromium	mg/kg	4.56E+01	1.95E-05		1.68E-08
26	3	Surface	Iron	mg/kg	3.46E+04	1.48E-02		1.27E-05
26	3	Surface	Molybdenum	mg/kg	4.07E+01	1.74E-05		1.50E-08
26	3	Surface	Thallium	mg/kg	3.68E+00	1.58E-06		1.36E-09
26	3	Surface	Uranium	mg/kg	2.05E+02	8.77E-05		7.54E-08
26	3	Surface	Vanadium	mg/kg	1.44E+02	6.16E-05		5.30E-08
26	3	Surface	PAH, Total	mg/kg	3.30E-01	1.41E-07	1.27E-06	1.22E-10
26	3	Surface	PCB, Total	mg/kg	8.91E+00	3.81E-06	3.71E-05	3.28E-09
26	3	Surface	Cesium-137	pCi/g	4.51E+00	1.93E-06		1.66E-09
26	3	Surface	Neptunium-237	pCi/g	3.70E-01	1.58E-07		1.36E-10
26	3	Surface	Uranium-234	pCi/g	5.02E+00	2.15E-06		1.85E-09
26	3	Surface	Uranium-235	pCi/g	3.15E-01	1.35E-07		1.16E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.11. Noncancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
26	3	Surface	Uranium-238	pCi/g	7.00E+00	3.00E-06		2.58E-09
26	4	Surface	Aluminum	mg/kg	1.11E+04	4.76E-03		4.10E-06
26	4	Surface	Arsenic	mg/kg	6.01E+01	2.57E-05	5.36E-05	2.21E-08
26	4	Surface	Chromium	mg/kg	1.14E+02	4.89E-05		4.21E-08
26	4	Surface	Iron	mg/kg	2.81E+04	1.20E-02		1.04E-05
26	4	Surface	Mercury	mg/kg	7.33E+01	3.14E-05		2.70E-08
26	4	Surface	Molybdenum	mg/kg	3.49E+01	1.50E-05		1.29E-08
26	4	Surface	Nickel	mg/kg	8.10E+01	3.47E-05		2.98E-08
26	4	Surface	Uranium	mg/kg	1.47E+03	6.30E-04		5.42E-07
26	4	Surface	Vanadium	mg/kg	1.42E+02	6.07E-05		5.23E-08
26	4	Surface	PAH, Total	mg/kg	5.53E+00	2.37E-06	2.14E-05	2.04E-09
26	4	Surface	PCB, Total	mg/kg	7.95E+00	3.40E-06	3.31E-05	2.93E-09
26	4	Surface	Cesium-137	pCi/g	1.02E+00	4.38E-07		3.77E-10
26	4	Surface	Neptunium-237	pCi/g	2.80E+00	1.20E-06		1.03E-09
26	4	Surface	Plutonium-239/240	pCi/g	1.35E+01	5.78E-06		4.97E-09
26	4	Surface	Technetium-99	pCi/g	8.36E+02	3.58E-04		3.08E-07
26	4	Surface	Thorium-230	pCi/g	5.48E+01	2.34E-05		2.02E-08
26	4	Surface	Uranium-234	pCi/g	2.15E+02	9.22E-05		7.93E-08
26	4	Surface	Uranium-235	pCi/g	1.52E+01	6.49E-06		5.58E-09
26	4	Surface	Uranium-238	pCi/g	8.49E+02	3.64E-04		3.13E-07
77	1	Surface	Chromium	mg/kg	8.30E+01	3.55E-05		3.06E-08
77	1	Surface	Iron	mg/kg	5.03E+04	2.15E-02		1.85E-05
77	1	Surface	Uranium	mg/kg	6.66E+02	2.85E-04		2.45E-07
77	1	Surface	Vanadium	mg/kg	1.68E+02	7.19E-05		6.19E-08
77	1	Surface	PAH, Total	mg/kg	7.02E-02	3.01E-08	2.71E-07	2.59E-11
77	1	Surface	PCB, Total	mg/kg	5.00E+00	2.14E-06	2.08E-05	1.84E-09
77	1	Surface	Thorium-230	pCi/g	1.03E+01	4.41E-06		3.79E-09
77	1	Surface	Uranium-238	pCi/g	1.53E+01	6.55E-06		5.63E-09
80	1	Surface	Uranium	mg/kg	9.80E+01	4.20E-05		3.61E-08
80	1	Surface	Dioxins/Furans, Total	mg/kg	8.82E-05	3.78E-11	7.86E-11	3.25E-14
80	1	Surface	PCB, Total	mg/kg	1.20E+02	5.14E-05	4.99E-04	4.42E-08
80	2	Surface	Antimony	mg/kg	5.82E+01	2.49E-05		2.14E-08
80	2	Surface	Chromium	mg/kg	1.65E+02	7.06E-05		6.08E-08
80	2	Surface	Cobalt	mg/kg	1.90E+01	8.13E-06		7.00E-09
80	2	Surface	Iron	mg/kg	3.52E+04	1.51E-02		1.29E-05
80	2	Surface	Uranium	mg/kg	5.72E+03	2.45E-03		2.11E-06
80	2	Surface	Vanadium	mg/kg	1.29E+02	5.52E-05		4.75E-08
80	2	Surface	PAH, Total	mg/kg	7.21E-01	3.09E-07	2.79E-06	2.66E-10
80	2	Surface	PCB, Total	mg/kg	1.26E+01	5.39E-06	5.24E-05	4.64E-09
80	2	Surface	Americium-241	pCi/g	6.40E+00	2.74E-06		2.36E-09
80	2	Surface	Cesium-137	pCi/g	8.40E-01	3.60E-07		3.09E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.11. Noncancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
80	2	Surface	Neptunium-237	pCi/g	5.05E-01	2.16E-07		1.86E-10
80	2	Surface	Uranium-234	pCi/g	2.29E+02	9.80E-05		8.43E-08
80	2	Surface	Uranium-235	pCi/g	3.00E+01	1.28E-05		1.10E-08
80	2	Surface	Uranium-238	pCi/g	1.92E+03	8.22E-04		7.07E-07
80	3	Surface	Chromium	mg/kg	1.81E+01	7.77E-06		6.68E-09
80	3	Surface	Iron	mg/kg	3.05E+04	1.31E-02		1.12E-05
80	3	Surface	Manganese	mg/kg	9.46E+02	4.05E-04		3.48E-07
80	3	Surface	Molybdenum	mg/kg	2.33E+01	9.99E-06		8.59E-09
80	3	Surface	Uranium	mg/kg	7.32E+01	3.13E-05		2.70E-08
80	3	Surface	Vanadium	mg/kg	1.21E+02	5.17E-05		4.44E-08
80	3	Surface	PCB, Total	mg/kg	5.66E+02	2.42E-04	2.35E-03	2.08E-07
80	3	Surface	Uranium-238	pCi/g	1.59E+00	6.81E-07		5.86E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.12. Cancerous CDIs for the Future Industrial Worker

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
13	1	Surface	Vanadium	mg/kg	3.23E+01	4.94E-06		4.25E-06	
13	10	Surface	Iron	mg/kg	3.80E+04	5.81E-03		5.00E-03	
13	10	Surface	Manganese	mg/kg	3.09E+03	4.72E-04		4.06E-04	
13	10	Surface	Silver	mg/kg	5.40E+01	8.26E-06		7.10E-06	
13	10	Surface	Vanadium	mg/kg	1.30E+02	1.99E-05		1.71E-05	
13	11	Surface	Silver	mg/kg	1.03E+02	1.57E-05		1.35E-05	
13	11	Surface	Vanadium	mg/kg	1.14E+02	1.74E-05		1.49E-05	
13	1	Surface	PCB, Total	mg/kg	1.03E+01	1.58E-06	1.54E-05	1.36E-06	
13	12	Surface	Iron	mg/kg	2.30E+04	3.52E-03		3.03E-03	
13	12	Surface	Manganese	mg/kg	1.35E+03	2.07E-04		1.78E-04	
13	12	Surface	Silver	mg/kg	8.88E+01	1.36E-05		1.17E-05	
13	12	Surface	Vanadium	mg/kg	1.16E+02	1.78E-05		1.53E-05	
13	13	Surface	Iron	mg/kg	2.89E+04	4.42E-03		3.81E-03	
13	13	Surface	Manganese	mg/kg	1.13E+03	1.72E-04		1.48E-04	
13	13	Surface	Molybdenum	mg/kg	2.73E+01	4.17E-06		3.58E-06	
13	13	Surface	Vanadium	mg/kg	1.19E+02	1.81E-05		1.56E-05	
13	14	Surface	Vanadium	mg/kg	1.22E+02	1.87E-05		1.61E-05	
13	14	Surface	PAH, Total	mg/kg	3.27E-02	5.00E-09	4.51E-08	4.30E-09	
13	14	Surface	PCB, Total	mg/kg	6.46E+00	9.88E-07	9.60E-06	8.50E-07	
13	14	Surface	Uranium-238	pCi/g	2.07E+00	6.47E+02		1.67E-01	9.45E+00
13	2	Surface	Iron	mg/kg	2.47E+04	3.78E-03		3.25E-03	
13	2	Surface	Manganese	mg/kg	1.22E+03	1.87E-04		1.61E-04	
13	2	Surface	Vanadium	mg/kg	9.38E+01	1.43E-05		1.23E-05	
13	2	Surface	Uranium-238	pCi/g	1.40E+00	4.37E+02		1.13E-01	6.39E+00
13	3	Surface	Iron	mg/kg	2.63E+04	4.02E-03		3.46E-03	
13	3	Surface	Manganese	mg/kg	1.09E+03	1.67E-04		1.44E-04	
13	3	Surface	Molybdenum	mg/kg	2.19E+01	3.35E-06		2.88E-06	
13	3	Surface	Vanadium	mg/kg	9.88E+01	1.51E-05		1.30E-05	
13	3	Surface	PAH, Total	mg/kg	2.15E-02	3.29E-09	2.97E-08	2.83E-09	
13	4	Surface	Iron	mg/kg	2.75E+04	4.20E-03		3.61E-03	
13	4	Surface	Vanadium	mg/kg	9.81E+01	1.50E-05		1.29E-05	
13	4	Surface	PAH, Total	mg/kg	4.13E-01	6.31E-08	5.70E-07	5.43E-08	
13	4	Surface	PCB, Total	mg/kg	1.05E+01	1.61E-06	1.56E-05	1.38E-06	
13	4	Surface	Uranium-238	pCi/g	1.78E+00	5.56E+02		1.43E-01	8.12E+00
13	5	Surface	Aluminum	mg/kg	9.83E+03	1.50E-03		1.29E-03	
13	5	Surface	Chromium	mg/kg	1.38E+01	2.11E-06		1.81E-06	
13	5	Surface	Iron	mg/kg	2.42E+04	3.70E-03		3.18E-03	
13	5	Surface	Manganese	mg/kg	9.08E+02	1.39E-04		1.19E-04	
13	5	Surface	Uranium	mg/kg	7.41E+01	1.13E-05		9.74E-06	
13	5	Surface	Vanadium	mg/kg	1.06E+02	1.61E-05		1.39E-05	
13	5	Surface	PAH, Total	mg/kg	4.41E-01	6.74E-08	6.08E-07	5.80E-08	
13	5	Surface	PCB, Total	mg/kg	6.66E+00	1.02E-06	9.89E-06	8.75E-07	
13	5	Surface	Neptunium-237	pCi/g	3.88E-01	1.21E+02		3.13E-02	1.77E+00
13	5	Surface	Technetium-99	pCi/g	1.07E+02	3.33E+04		8.60E+00	4.87E+02
13	5	Surface	Uranium-234	pCi/g	2.57E+01	8.04E+03		2.07E+00	1.17E+02

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.12. Cancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
13	5	Surface	Uranium-235	pCi/g	2.95E+00	9.21E+02		2.38E-01	1.35E+01
13	5	Surface	Uranium-238	pCi/g	4.60E+01	1.44E+04		3.71E+00	2.10E+02
13	6	Surface	Iron	mg/kg	3.09E+04	4.72E-03		4.06E-03	
13	6	Surface	Uranium	mg/kg	3.70E+01	5.66E-06		4.86E-06	
13	6	Surface	Vanadium	mg/kg	1.20E+02	1.83E-05		1.58E-05	
13	6	Surface	PAH, Total	mg/kg	6.51E-01	9.95E-08	8.98E-07	8.56E-08	
13	6	Surface	PCB, Total	mg/kg	1.08E+01	1.65E-06	1.60E-05	1.42E-06	
13	6	Surface	Neptunium-237	pCi/g	1.25E+00	3.90E+02		1.01E-01	5.70E+00
13	6	Surface	Technetium-99	pCi/g	9.50E+01	2.97E+04		7.66E+00	4.34E+02
13	6	Surface	Uranium-234	pCi/g	2.04E+01	6.36E+03		1.64E+00	9.30E+01
13	6	Surface	Uranium-235	pCi/g	1.40E+00	4.37E+02		1.13E-01	6.38E+00
13	6	Surface	Uranium-238	pCi/g	4.17E+01	1.30E+04		3.36E+00	1.90E+02
13	7	Surface	Iron	mg/kg	2.78E+04	4.26E-03		3.66E-03	
13	7	Surface	Silver	mg/kg	1.85E+02	2.82E-05		2.43E-05	
13	7	Surface	Vanadium	mg/kg	1.22E+02	1.86E-05		1.60E-05	
13	7	Surface	Uranium-238	pCi/g	1.30E+00	4.06E+02		1.05E-01	5.94E+00
13	8	Surface	Iron	mg/kg	2.41E+04	3.69E-03		3.17E-03	
13	8	Surface	Manganese	mg/kg	1.12E+03	1.71E-04		1.47E-04	
13	8	Surface	Vanadium	mg/kg	9.97E+01	1.52E-05		1.31E-05	
13	8	Surface	PAH, Total	mg/kg	1.22E-02	1.87E-09	1.68E-08	1.60E-09	
13	9	Surface	Chromium	mg/kg	1.43E+01	2.19E-06		1.88E-06	
13	9	Surface	Vanadium	mg/kg	1.17E+02	1.78E-05		1.53E-05	
13	9	Surface	PAH, Total	mg/kg	2.65E-02	4.05E-09	3.66E-08	3.49E-09	
13	9	Surface	Neptunium-237	pCi/g	6.88E-01	2.15E+02		5.55E-02	3.14E+00
13	9	Surface	Uranium-238	pCi/g	4.07E+00	1.27E+03		3.28E-01	1.86E+01
15	1	Surface	Antimony	mg/kg	7.49E+01	1.14E-05		9.85E-06	
15	1	Surface	Arsenic	mg/kg	1.27E+01	1.94E-06	4.03E-06	1.66E-06	
15	1	Surface	Cadmium	mg/kg	1.56E+01	2.39E-06	1.66E-07	2.05E-06	
15	1	Surface	Chromium	mg/kg	8.21E+01	1.26E-05		1.08E-05	
15	1	Surface	Iron	mg/kg	2.95E+04	4.51E-03		3.88E-03	
15	1	Surface	Nickel	mg/kg	1.32E+02	2.02E-05		1.73E-05	
15	1	Surface	Thallium	mg/kg	2.40E-01	3.67E-08		3.16E-08	
15	1	Surface	Uranium	mg/kg	3.26E+01	4.98E-06		4.28E-06	
15	1	Surface	PAH, Total	mg/kg	1.71E+00	2.62E-07	2.36E-06	2.25E-07	
15	1	Surface	Uranium-238	pCi/g	1.85E+00	5.78E+02		1.49E-01	8.45E+00
15	10	Surface	Antimony	mg/kg	1.25E+02	1.91E-05		1.64E-05	
15	10	Surface	Cadmium	mg/kg	1.67E+01	2.55E-06	1.77E-07	2.20E-06	
15	10	Surface	Chromium	mg/kg	3.55E+01	5.43E-06		4.67E-06	
15	10	Surface	Mercury	mg/kg	7.84E+00	1.20E-06		1.03E-06	
15	10	Surface	Nickel	mg/kg	2.26E+02	3.46E-05		2.98E-05	
15	10	Surface	Uranium	mg/kg	9.02E+01	1.38E-05		1.19E-05	
15	10	Surface	PAH, Total	mg/kg	1.28E-01	1.96E-08	1.77E-07	1.69E-08	
15	2	Surface	Antimony	mg/kg	9.83E+01	1.50E-05		1.29E-05	
15	2	Surface	Arsenic	mg/kg	1.63E+01	2.49E-06	5.18E-06	2.14E-06	
15	2	Surface	Chromium	mg/kg	5.90E+01	9.02E-06		7.76E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.12. Cancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	2	Surface	Iron	mg/kg	3.89E+04	5.95E-03		5.11E-03	
15	2	Surface	Mercury	mg/kg	9.33E+00	1.43E-06		1.23E-06	
15	2	Surface	Nickel	mg/kg	1.97E+02	3.02E-05		2.59E-05	
15	2	Surface	Uranium	mg/kg	1.32E+02	2.01E-05		1.73E-05	
15	2	Surface	PAH, Total	mg/kg	2.11E+00	3.22E-07	2.91E-06	2.77E-07	
15	2	Surface	PCB, Total	mg/kg	3.30E-01	5.05E-08	4.90E-07	4.34E-08	
15	2	Surface	Uranium-234	pCi/g	6.51E+00	2.03E+03		5.25E-01	2.97E+01
15	2	Surface	Uranium-235	pCi/g	3.80E-01	1.19E+02		3.06E-02	1.74E+00
15	2	Surface	Uranium-238	pCi/g	1.21E+01	3.78E+03		9.76E-01	5.53E+01
15	3	Surface	Antimony	mg/kg	7.10E+01	1.09E-05		9.33E-06	
15	3	Surface	Arsenic	mg/kg	2.74E+01	4.19E-06	8.72E-06	3.60E-06	
15	3	Surface	Cadmium	mg/kg	1.25E+01	1.91E-06	1.33E-07	1.65E-06	
15	3	Surface	Chromium	mg/kg	7.53E+01	1.15E-05		9.91E-06	
15	3	Surface	Cobalt	mg/kg	3.41E+01	5.21E-06		4.48E-06	
15	3	Surface	Copper	mg/kg	1.60E+03	2.45E-04		2.11E-04	
15	3	Surface	Iron	mg/kg	9.20E+04	1.41E-02		1.21E-02	
15	3	Surface	Manganese	mg/kg	1.60E+03	2.45E-04		2.11E-04	
15	3	Surface	Mercury	mg/kg	1.05E+01	1.60E-06		1.38E-06	
15	3	Surface	Nickel	mg/kg	8.38E+02	1.28E-04		1.10E-04	
15	3	Surface	Thallium	mg/kg	2.60E-01	3.98E-08		3.42E-08	
15	3	Surface	Uranium	mg/kg	2.16E+02	3.30E-05		2.84E-05	
15	3	Surface	Vanadium	mg/kg	7.31E+01	1.12E-05		9.61E-06	
15	3	Surface	PAH, Total	mg/kg	1.45E+00	2.22E-07	2.01E-06	1.91E-07	
15	3	Surface	PCB, Total	mg/kg	6.82E+00	1.04E-06	1.01E-05	8.97E-07	
15	3	Surface	Neptunium-237	pCi/g	3.24E+00	1.01E+03		2.61E-01	1.48E+01
15	3	Surface	Technetium-99	pCi/g	2.90E+02	9.06E+04		2.34E+01	1.32E+03
15	3	Surface	Thorium-230	pCi/g	5.14E+00	1.61E+03		4.14E-01	2.35E+01
15	3	Surface	Uranium-234	pCi/g	1.40E+02	4.38E+04		1.13E+01	6.40E+02
15	3	Surface	Uranium-235	pCi/g	1.49E+01	4.65E+03		1.20E+00	6.80E+01
15	3	Surface	Uranium-238	pCi/g	8.68E+02	2.71E+05		7.00E+01	3.96E+03
15	4	Surface	Antimony	mg/kg	7.63E+01	1.17E-05		1.00E-05	
15	4	Surface	Arsenic	mg/kg	3.37E+01	5.15E-06	1.07E-05	4.43E-06	
15	4	Surface	Cadmium	mg/kg	1.86E+01	2.84E-06	1.97E-07	2.44E-06	
15	4	Surface	Chromium	mg/kg	9.02E+01	1.38E-05		1.19E-05	
15	4	Surface	Copper	mg/kg	5.99E+02	9.16E-05		7.88E-05	
15	4	Surface	Iron	mg/kg	6.90E+04	1.05E-02		9.07E-03	
15	4	Surface	Manganese	mg/kg	1.29E+03	1.97E-04		1.69E-04	
15	4	Surface	Mercury	mg/kg	3.04E+01	4.64E-06		3.99E-06	
15	4	Surface	Nickel	mg/kg	1.24E+03	1.90E-04		1.63E-04	
15	4	Surface	Thallium	mg/kg	1.85E-01	2.83E-08		2.43E-08	
15	4	Surface	Uranium	mg/kg	1.29E+02	1.97E-05		1.70E-05	
15	4	Surface	Vanadium	mg/kg	8.43E+01	1.29E-05		1.11E-05	
15	4	Surface	PAH, Total	mg/kg	1.75E+00	2.67E-07	2.41E-06	2.30E-07	
15	4	Surface	PCB, Total	mg/kg	3.13E+01	4.79E-06	4.65E-05	4.12E-06	
15	4	Surface	Neptunium-237	pCi/g	6.60E-01	2.06E+02		5.32E-02	3.01E+00

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.12. Cancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	4	Surface	Uranium-234	pCi/g	7.93E+00	2.48E+03		6.39E-01	3.62E+01
15	4	Surface	Uranium-235	pCi/g	3.64E-01	1.14E+02		2.94E-02	1.66E+00
15	4	Surface	Uranium-238	pCi/g	1.35E+01	4.22E+03		1.09E+00	6.17E+01
15	5	Surface	Antimony	mg/kg	1.01E+02	1.55E-05		1.33E-05	
15	5	Surface	Arsenic	mg/kg	1.28E+01	1.96E-06	4.07E-06	1.68E-06	
15	5	Surface	Cadmium	mg/kg	1.46E+01	2.23E-06	1.55E-07	1.92E-06	
15	5	Surface	Chromium	mg/kg	8.43E+01	1.29E-05		1.11E-05	
15	5	Surface	Copper	mg/kg	5.63E+03	8.61E-04		7.41E-04	
15	5	Surface	Nickel	mg/kg	3.53E+02	5.39E-05		4.64E-05	
15	5	Surface	Uranium	mg/kg	1.76E+02	2.68E-05		2.31E-05	
15	5	Surface	Zinc	mg/kg	1.52E+03	2.33E-04		2.00E-04	
15	5	Surface	PAH, Total	mg/kg	5.11E-01	7.81E-08	7.04E-07	6.72E-08	
15	5	Surface	PCB, Total	mg/kg	2.51E+01	3.84E-06	3.73E-05	3.30E-06	
15	5	Surface	Neptunium-237	pCi/g	6.90E-01	2.16E+02		5.56E-02	3.15E+00
15	5	Surface	Uranium-235	pCi/g	4.60E-01	1.44E+02		3.71E-02	2.10E+00
15	5	Surface	Uranium-238	pCi/g	1.03E+01	3.22E+03		8.31E-01	4.70E+01
15	6	Surface	Antimony	mg/kg	8.85E+01	1.35E-05		1.16E-05	
15	6	Surface	Arsenic	mg/kg	1.24E+01	1.90E-06	3.96E-06	1.63E-06	
15	6	Surface	Cadmium	mg/kg	1.64E+01	2.50E-06	1.73E-07	2.15E-06	
15	6	Surface	Chromium	mg/kg	8.25E+01	1.26E-05		1.09E-05	
15	6	Surface	Cobalt	mg/kg	1.62E+01	2.48E-06		2.13E-06	
15	6	Surface	Copper	mg/kg	4.23E+02	6.47E-05		5.56E-05	
15	6	Surface	Iron	mg/kg	3.29E+04	5.03E-03		4.32E-03	
15	6	Surface	Nickel	mg/kg	3.00E+02	4.59E-05		3.95E-05	
15	6	Surface	Uranium	mg/kg	6.30E+01	9.63E-06		8.28E-06	
15	6	Surface	PAH, Total	mg/kg	1.62E+00	2.48E-07	2.24E-06	2.14E-07	
15	6	Surface	PCB, Total	mg/kg	6.17E+00	9.43E-07	9.16E-06	8.11E-07	
15	6	Surface	Neptunium-237	pCi/g	6.40E-01	2.00E+02		5.16E-02	2.92E+00
15	6	Surface	Uranium-234	pCi/g	8.74E+00	2.73E+03		7.05E-01	3.99E+01
15	6	Surface	Uranium-235	pCi/g	5.70E-01	1.78E+02		4.60E-02	2.60E+00
15	6	Surface	Uranium-238	pCi/g	1.54E+01	4.81E+03		1.24E+00	7.03E+01
15	7	Surface	Antimony	mg/kg	1.37E+02	2.10E-05		1.80E-05	
15	7	Surface	Arsenic	mg/kg	1.61E+01	2.46E-06	5.12E-06	2.11E-06	
15	7	Surface	Cadmium	mg/kg	1.80E+01	2.75E-06	1.91E-07	2.37E-06	
15	7	Surface	Chromium	mg/kg	7.97E+01	1.22E-05		1.05E-05	
15	7	Surface	Copper	mg/kg	8.29E+02	1.27E-04		1.09E-04	
15	7	Surface	Iron	mg/kg	3.42E+04	5.23E-03		4.50E-03	
15	7	Surface	Manganese	mg/kg	1.18E+03	1.81E-04		1.56E-04	
15	7	Surface	Nickel	mg/kg	5.59E+02	8.54E-05		7.35E-05	
15	7	Surface	Thallium	mg/kg	3.00E-01	4.59E-08		3.95E-08	
15	7	Surface	Uranium	mg/kg	5.39E+01	8.24E-06		7.09E-06	
15	7	Surface	PAH, Total	mg/kg	1.59E-01	2.43E-08	2.19E-07	2.09E-08	
15	7	Surface	PCB, Total	mg/kg	2.57E+01	3.92E-06	3.81E-05	3.38E-06	
15	7	Surface	Uranium-234	pCi/g	6.49E+00	2.03E+03		5.23E-01	2.96E+01
15	7	Surface	Uranium-235	pCi/g	4.50E-01	1.41E+02		3.63E-02	2.05E+00

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.12. Cancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	7	Surface	Uranium-238	pCi/g	8.05E+00	2.52E+03		6.49E-01	3.68E+01
15	8	Surface	Antimony	mg/kg	7.42E+01	1.13E-05		9.76E-06	
15	8	Surface	Arsenic	mg/kg	1.17E+01	1.78E-06	3.71E-06	1.53E-06	
15	8	Surface	Cadmium	mg/kg	1.68E+01	2.57E-06	1.78E-07	2.21E-06	
15	8	Surface	Chromium	mg/kg	7.74E+01	1.18E-05		1.02E-05	
15	8	Surface	Iron	mg/kg	2.83E+04	4.32E-03		3.72E-03	
15	8	Surface	Mercury	mg/kg	1.01E+01	1.54E-06		1.32E-06	
15	8	Surface	Nickel	mg/kg	1.82E+02	2.78E-05		2.39E-05	
15	8	Surface	Uranium	mg/kg	4.46E+01	6.81E-06		5.86E-06	
15	8	Surface	PAH, Total	mg/kg	3.59E-01	5.49E-08	4.95E-07	4.72E-08	
15	8	Surface	PCB, Total	mg/kg	5.01E+00	7.66E-07	7.44E-06	6.58E-07	
15	8	Surface	Neptunium-237	pCi/g	3.65E-01	1.14E+02		2.94E-02	1.67E+00
15	8	Surface	Uranium-238	pCi/g	6.64E+00	2.07E+03		5.35E-01	3.03E+01
15	9	Surface	Antimony	mg/kg	1.12E+02	1.71E-05		1.47E-05	
15	9	Surface	Arsenic	mg/kg	1.10E+01	1.69E-06	3.51E-06	1.45E-06	
15	9	Surface	Cadmium	mg/kg	1.81E+01	2.77E-06	1.92E-07	2.38E-06	
15	9	Surface	Chromium	mg/kg	9.56E+01	1.46E-05		1.26E-05	
15	9	Surface	Iron	mg/kg	2.76E+04	4.22E-03		3.63E-03	
15	9	Surface	Nickel	mg/kg	1.49E+02	2.28E-05		1.96E-05	
15	9	Surface	Uranium	mg/kg	3.07E+01	4.69E-06		4.03E-06	
15	9	Surface	Vanadium	mg/kg	7.33E+01	1.12E-05		9.64E-06	
15	9	Surface	PAH, Total	mg/kg	2.38E-01	3.64E-08	3.29E-07	3.13E-08	
15	9	Surface	PCB, Total	mg/kg	6.31E+00	9.64E-07	9.37E-06	8.29E-07	
15	9	Surface	Uranium-238	pCi/g	7.12E+00	2.22E+03		5.74E-01	3.25E+01
204	1	Surface	Aluminum	mg/kg	1.18E+04	1.80E-03		1.55E-03	
204	1	Surface	Chromium	mg/kg	1.42E+01	2.17E-06		1.86E-06	
204	1	Surface	Vanadium	mg/kg	1.20E+02	1.83E-05		1.58E-05	
204	1	Surface	PAH, Total	mg/kg	4.93E-01	7.54E-08	6.80E-07	6.48E-08	
204	1	Surface	Uranium-238	pCi/g	1.27E+00	3.98E+02		1.03E-01	5.82E+00
204	10	Surface	Antimony	mg/kg	1.20E+01	1.83E-06		1.58E-06	
204	10	Surface	Iron	mg/kg	3.08E+04	4.72E-03		4.06E-03	
204	10	Surface	Vanadium	mg/kg	1.19E+02	1.82E-05		1.57E-05	
204	10	Surface	PAH, Total	mg/kg	6.42E-02	9.82E-09	8.86E-08	8.44E-09	
204	10	Surface	Uranium-238	pCi/g	3.15E+00	9.84E+02		2.54E-01	1.44E+01
204	11	Surface	Iron	mg/kg	3.05E+04	4.67E-03		4.01E-03	
204	11	Surface	Vanadium	mg/kg	1.43E+02	2.19E-05		1.88E-05	
204	11	Surface	PAH, Total	mg/kg	8.95E-02	1.37E-08	1.23E-07	1.18E-08	
204	11	Surface	Uranium-238	pCi/g	3.09E+00	9.66E+02		2.49E-01	1.41E+01
204	12	Surface	Iron	mg/kg	2.86E+04	4.37E-03		3.76E-03	
204	12	Surface	Thallium	mg/kg	2.10E-01	3.21E-08		2.76E-08	
204	12	Surface	Vanadium	mg/kg	1.44E+02	2.20E-05		1.89E-05	
204	12	Surface	PAH, Total	mg/kg	6.43E-02	9.83E-09	8.87E-08	8.46E-09	
204	12	Surface	Uranium-238	pCi/g	3.26E+00	1.02E+03		2.63E-01	1.49E+01
204	13	Surface	Chromium	mg/kg	1.70E+01	2.60E-06		2.24E-06	
204	13	Surface	Vanadium	mg/kg	1.45E+02	2.22E-05		1.91E-05	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.12. Cancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
204	13	Surface	PAH, Total	mg/kg	5.05E-01	7.72E-08	6.97E-07	6.64E-08	
204	13	Surface	Uranium-238	pCi/g	2.98E+00	9.31E+02		2.40E-01	1.36E+01
204	14	Surface	Arsenic	mg/kg	1.36E+02	2.08E-05	4.33E-05	1.79E-05	
204	14	Surface	Chromium	mg/kg	1.70E+01	2.60E-06		2.24E-06	
204	14	Surface	Iron	mg/kg	3.17E+04	4.85E-03		4.17E-03	
204	14	Surface	Uranium	mg/kg	1.34E+02	2.05E-05		1.76E-05	
204	14	Surface	Vanadium	mg/kg	1.43E+02	2.19E-05		1.88E-05	
204	14	Surface	PAH, Total	mg/kg	1.28E-01	1.95E-08	1.76E-07	1.68E-08	
204	14	Surface	Uranium-238	pCi/g	4.25E+00	1.33E+03		3.43E-01	1.94E+01
204	15	Surface	Iron	mg/kg	2.90E+04	4.44E-03		3.82E-03	
204	15	Surface	Vanadium	mg/kg	1.13E+02	1.73E-05		1.49E-05	
204	15	Surface	PAH, Total	mg/kg	1.25E-02	1.90E-09	1.72E-08	1.64E-09	
204	15	Surface	Cesium-137	pCi/g	6.30E-01	1.50E+02		3.86E-02	2.19E+00
204	15	Surface	Uranium-238	pCi/g	5.37E+00	1.68E+03		4.33E-01	2.45E+01
204	16	Surface	Iron	mg/kg	2.89E+04	4.42E-03		3.80E-03	
204	16	Surface	Vanadium	mg/kg	1.22E+02	1.87E-05		1.60E-05	
204	16	Surface	PAH, Total	mg/kg	1.45E-02	2.22E-09	2.00E-08	1.91E-09	
204	17	Surface	Iron	mg/kg	2.98E+04	4.56E-03		3.92E-03	
204	17	Surface	Vanadium	mg/kg	1.22E+02	1.87E-05		1.60E-05	
204	17	Surface	PAH, Total	mg/kg	5.99E-02	9.16E-09	8.26E-08	7.88E-09	
204	17	Surface	Uranium-238	pCi/g	2.50E+00	7.81E+02		2.02E-01	1.14E+01
204	18	Surface	Iron	mg/kg	3.35E+04	5.13E-03		4.41E-03	
204	18	Surface	Uranium	mg/kg	1.09E+02	1.67E-05		1.43E-05	
204	18	Surface	Vanadium	mg/kg	1.51E+02	2.31E-05		1.99E-05	
204	18	Surface	PAH, Total	mg/kg	7.04E-03	1.08E-09	9.71E-09	9.26E-10	
204	18	Surface	Uranium-238	pCi/g	1.81E+00	5.66E+02		1.46E-01	8.26E+00
204	19	Surface	Silver	mg/kg	5.50E+01	8.41E-06		7.23E-06	
204	19	Surface	Uranium	mg/kg	8.50E+01	1.30E-05		1.12E-05	
204	19	Surface	Vanadium	mg/kg	1.06E+02	1.62E-05		1.39E-05	
204	19	Surface	PAH, Total	mg/kg	1.30E-01	1.98E-08	1.79E-07	1.71E-08	
204	19	Surface	Uranium-238	pCi/g	2.65E+00	8.28E+02		2.14E-01	1.21E+01
204	2	Surface	Arsenic	mg/kg	4.59E+01	7.02E-06	1.46E-05	6.04E-06	
204	2	Surface	Chromium	mg/kg	1.84E+01	2.81E-06		2.42E-06	
204	2	Surface	Vanadium	mg/kg	1.20E+02	1.84E-05		1.58E-05	
204	2	Surface	PAH, Total	mg/kg	6.20E-02	9.48E-09	8.55E-08	8.15E-09	
204	2	Surface	Uranium-238	pCi/g	3.92E+00	1.22E+03		3.16E-01	1.79E+01
204	20	Surface	Chromium	mg/kg	1.75E+02	2.68E-05		2.30E-05	
204	20	Surface	Uranium	mg/kg	1.31E+04	2.00E-03		1.72E-03	
204	20	Surface	Vanadium	mg/kg	1.14E+02	1.74E-05		1.50E-05	
204	20	Surface	PCB, Total	mg/kg	7.90E+01	1.21E-05	1.17E-04	1.04E-05	
204	20	Surface	Americium-241	pCi/g	3.71E+00	1.14E+03		2.93E-01	1.66E+01
204	20	Surface	Cesium-137	pCi/g	1.17E+00	2.79E+02		7.19E-02	4.07E+00
204	20	Surface	Protactinium-231	pCi/g	3.65E+01	1.14E+04		2.94E+00	1.66E+02
204	20	Surface	Uranium-234	pCi/g	4.45E+02	1.39E+05		3.59E+01	2.03E+03
204	20	Surface	Uranium-235	pCi/g	5.70E+01	1.78E+04		4.60E+00	2.60E+02

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.12. Cancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
204	20	Surface	Uranium-238	pCi/g	4.39E+03	1.37E+06		3.54E+02	2.00E+04
204	21	Surface	Cobalt	mg/kg	1.80E+01	2.75E-06		2.37E-06	
204	21	Surface	Vanadium	mg/kg	1.19E+02	1.82E-05		1.57E-05	
204	3	Surface	Chromium	mg/kg	1.80E+01	2.75E-06		2.37E-06	
204	3	Surface	Silver	mg/kg	5.40E+01	8.26E-06		7.10E-06	
204	3	Surface	Vanadium	mg/kg	1.22E+02	1.87E-05		1.60E-05	
204	3	Surface	PAH, Total	mg/kg	3.52E-02	5.38E-09	4.86E-08	4.63E-09	
204	3	Surface	Uranium-238	pCi/g	2.31E+00	7.22E+02		1.86E-01	1.05E+01
204	4	Surface	Iron	mg/kg	2.92E+04	4.47E-03		3.84E-03	
204	4	Surface	Molybdenum	mg/kg	4.10E+01	6.27E-06		5.39E-06	
204	4	Surface	Silver	mg/kg	5.90E+01	9.02E-06		7.76E-06	
204	4	Surface	Vanadium	mg/kg	1.39E+02	2.13E-05		1.83E-05	
204	4	Surface	PAH, Total	mg/kg	2.33E-02	3.56E-09	3.21E-08	3.06E-09	
204	4	Surface	Uranium-238	pCi/g	1.82E+00	5.69E+02		1.47E-01	8.31E+00
204	5	Surface	Arsenic	mg/kg	5.67E+01	8.67E-06	1.81E-05	7.46E-06	
204	5	Surface	Chromium	mg/kg	1.61E+01	2.46E-06		2.11E-06	
204	5	Surface	Vanadium	mg/kg	1.21E+02	1.85E-05		1.59E-05	
204	5	Surface	PAH, Total	mg/kg	2.04E-02	3.12E-09	2.81E-08	2.68E-09	
204	5	Surface	Uranium-238	pCi/g	5.65E+00	1.76E+03		4.55E-01	2.58E+01
204	6	Surface	Vanadium	mg/kg	1.25E+02	1.91E-05		1.64E-05	
204	6	Surface	PAH, Total	mg/kg	3.25E-02	4.97E-09	4.48E-08	4.27E-09	
204	6	Surface	Uranium-238	pCi/g	3.63E+00	1.13E+03		2.93E-01	1.66E+01
204	7	Surface	Iron	mg/kg	2.95E+04	4.50E-03		3.88E-03	
204	7	Surface	Manganese	mg/kg	1.94E+03	2.96E-04		2.55E-04	
204	7	Surface	Vanadium	mg/kg	1.27E+02	1.94E-05		1.67E-05	
204	7	Surface	PAH, Total	mg/kg	9.68E-03	1.48E-09	1.34E-08	1.27E-09	
204	7	Surface	Uranium-238	pCi/g	2.04E+00	6.37E+02		1.65E-01	9.32E+00
204	8	Surface	Chromium	mg/kg	1.70E+01	2.60E-06		2.24E-06	
204	8	Surface	Cobalt	mg/kg	1.40E+01	2.14E-06		1.84E-06	
204	8	Surface	Iron	mg/kg	2.94E+04	4.50E-03		3.87E-03	
204	8	Surface	Vanadium	mg/kg	1.32E+02	2.02E-05		1.74E-05	
204	8	Surface	PAH, Total	mg/kg	7.37E-02	1.13E-08	1.02E-07	9.69E-09	
204	8	Surface	Uranium-238	pCi/g	2.01E+00	6.28E+02		1.62E-01	9.18E+00
204	9	Surface	Chromium	mg/kg	1.80E+01	2.75E-06		2.37E-06	
204	9	Surface	Iron	mg/kg	2.96E+04	4.53E-03		3.90E-03	
204	9	Surface	Vanadium	mg/kg	1.37E+02	2.09E-05		1.80E-05	
204	9	Surface	PAH, Total	mg/kg	5.01E+00	7.66E-07	6.91E-06	6.59E-07	
204	9	Surface	Uranium-238	pCi/g	2.22E+00	6.94E+02		1.79E-01	1.01E+01
211	1	Surface	Antimony	mg/kg	6.52E+01	9.97E-06		8.58E-06	
211	1	Surface	Chromium	mg/kg	4.48E+01	6.84E-06		5.89E-06	
211	1	Surface	Iron	mg/kg	3.05E+04	4.66E-03		4.01E-03	
211	1	Surface	Thallium	mg/kg	3.30E-01	5.05E-08		4.34E-08	
211	1	Surface	Vanadium	mg/kg	1.01E+02	1.54E-05		1.33E-05	
211	1	Surface	PAH, Total	mg/kg	1.04E-01	1.59E-08	1.43E-07	1.37E-08	
211	1	Surface	PCB, Total	mg/kg	3.60E-01	5.50E-08	5.35E-07	4.73E-08	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.12. Cancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
211	1	Surface	Cesium-137	pCi/g	1.67E+00	3.97E+02		1.02E-01	5.80E+00
211	1	Surface	Neptunium-237	pCi/g	5.93E+00	1.85E+03		4.78E-01	2.71E+01
211	1	Surface	Uranium-234	pCi/g	6.69E+01	2.09E+04		5.39E+00	3.05E+02
211	1	Surface	Uranium-238	pCi/g	1.19E+02	3.72E+04		9.60E+00	5.43E+02
224	1	Surface	Antimony	mg/kg	1.08E+02	1.65E-05		1.42E-05	
224	1	Surface	Uranium	mg/kg	4.15E+01	6.34E-06		5.46E-06	
224	1	Surface	PAH, Total	mg/kg	5.95E-01	9.10E-08	8.21E-07	7.83E-08	
224	1	Surface	Uranium-238	pCi/g	1.39E+01	4.34E+03		1.12E+00	6.35E+01
225	1	Surface	Antimony	mg/kg	5.41E+01	8.27E-06		7.12E-06	
225	1	Surface	Chromium	mg/kg	2.55E+01	3.90E-06		3.35E-06	
225	1	Surface	Thallium	mg/kg	2.80E-01	4.28E-08		3.68E-08	
225	1	Surface	Vanadium	mg/kg	1.09E+02	1.67E-05		1.43E-05	
225	1	Surface	PAH, Total	mg/kg	7.79E-02	1.19E-08	1.07E-07	1.02E-08	
225	1	Surface	Uranium-238	pCi/g	2.04E+00	6.37E+02		1.65E-01	9.32E+00
26	1	Surface	Chromium	mg/kg	1.67E+01	2.56E-06		2.20E-06	
26	1	Surface	Iron	mg/kg	2.88E+04	4.40E-03		3.78E-03	
26	1	Surface	Uranium	mg/kg	6.28E+02	9.60E-05		8.26E-05	
26	1	Surface	Vanadium	mg/kg	1.61E+02	2.46E-05		2.12E-05	
26	1	Surface	PAH, Total	mg/kg	1.97E-01	3.01E-08	2.72E-07	2.59E-08	
26	1	Surface	PCB, Total	mg/kg	9.40E+00	1.44E-06	1.40E-05	1.24E-06	
26	1	Surface	Uranium-234	pCi/g	7.78E+00	2.43E+03		6.27E-01	3.55E+01
26	1	Surface	Uranium-235	pCi/g	1.23E+00	3.85E+02		9.93E-02	5.62E+00
26	1	Surface	Uranium-238	pCi/g	6.75E+01	2.11E+04		5.45E+00	3.08E+02
26	2	Surface	Aluminum	mg/kg	2.61E+04	3.99E-03		3.43E-03	
26	2	Surface	Arsenic	mg/kg	4.23E+01	6.46E-06	1.35E-05	5.56E-06	
26	2	Surface	Beryllium	mg/kg	1.13E+01	1.72E-06		1.48E-06	
26	2	Surface	Chromium	mg/kg	4.12E+01	6.30E-06		5.42E-06	
26	2	Surface	Cobalt	mg/kg	6.59E+01	1.01E-05		8.67E-06	
26	2	Surface	Iron	mg/kg	5.20E+04	7.94E-03		6.83E-03	
26	2	Surface	Nickel	mg/kg	1.03E+02	1.57E-05		1.35E-05	
26	2	Surface	Thallium	mg/kg	2.38E+01	3.63E-06		3.13E-06	
26	2	Surface	Uranium	mg/kg	7.18E+02	1.10E-04		9.44E-05	
26	2	Surface	Vanadium	mg/kg	1.16E+02	1.77E-05		1.52E-05	
26	2	Surface	PCB, Total	mg/kg	3.25E+00	4.97E-07	4.83E-06	4.28E-07	
26	2	Surface	Cesium-137	pCi/g	9.52E+00	2.26E+03		5.84E-01	3.31E+01
26	2	Surface	Neptunium-237	pCi/g	2.15E-01	6.72E+01		1.73E-02	9.82E-01
26	2	Surface	Radium-228	pCi/g	1.69E+00	1.66E+02		4.29E-02	2.43E+00
26	2	Surface	Thorium-230	pCi/g	3.59E+00	1.12E+03		2.90E-01	1.64E+01
26	2	Surface	Uranium-234	pCi/g	1.98E+01	6.18E+03		1.59E+00	9.03E+01
26	2	Surface	Uranium-235	pCi/g	2.36E+00	7.37E+02		1.90E-01	1.08E+01
26	2	Surface	Uranium-238	pCi/g	5.01E+01	1.56E+04		4.04E+00	2.29E+02
26	3	Surface	Arsenic	mg/kg	7.56E+01	1.16E-05	2.41E-05	9.94E-06	
26	3	Surface	Chromium	mg/kg	4.56E+01	6.97E-06		5.99E-06	
26	3	Surface	Iron	mg/kg	3.46E+04	5.29E-03		4.55E-03	
26	3	Surface	Molybdenum	mg/kg	4.07E+01	6.23E-06		5.36E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.12. Cancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
26	3	Surface	Thallium	mg/kg	3.68E+00	5.63E-07		4.84E-07	
26	3	Surface	Uranium	mg/kg	2.05E+02	3.13E-05		2.69E-05	
26	3	Surface	Vanadium	mg/kg	1.44E+02	2.20E-05		1.89E-05	
26	3	Surface	PAH, Total	mg/kg	3.30E-01	5.05E-08	4.55E-07	4.34E-08	
26	3	Surface	PCB, Total	mg/kg	8.91E+00	1.36E-06	1.32E-05	1.17E-06	
26	3	Surface	Cesium-137	pCi/g	4.51E+00	1.07E+03		2.77E-01	1.57E+01
26	3	Surface	Neptunium-237	pCi/g	3.70E-01	1.16E+02		2.98E-02	1.69E+00
26	3	Surface	Uranium-234	pCi/g	5.02E+00	1.57E+03		4.05E-01	2.29E+01
26	3	Surface	Uranium-235	pCi/g	3.15E-01	9.84E+01		2.54E-02	1.44E+00
26	3	Surface	Uranium-238	pCi/g	7.00E+00	2.19E+03		5.64E-01	3.19E+01
26	4	Surface	Aluminum	mg/kg	1.11E+04	1.70E-03		1.46E-03	
26	4	Surface	Arsenic	mg/kg	6.01E+01	9.19E-06	1.91E-05	7.91E-06	
26	4	Surface	Chromium	mg/kg	1.14E+02	1.75E-05		1.50E-05	
26	4	Surface	Iron	mg/kg	2.81E+04	4.30E-03		3.70E-03	
26	4	Surface	Mercury	mg/kg	7.33E+01	1.12E-05		9.64E-06	
26	4	Surface	Molybdenum	mg/kg	3.49E+01	5.34E-06		4.59E-06	
26	4	Surface	Nickel	mg/kg	8.10E+01	1.24E-05		1.07E-05	
26	4	Surface	Uranium	mg/kg	1.47E+03	2.25E-04		1.94E-04	
26	4	Surface	Vanadium	mg/kg	1.42E+02	2.17E-05		1.87E-05	
26	4	Surface	PAH, Total	mg/kg	5.53E+00	8.45E-07	7.63E-06	7.27E-07	
26	4	Surface	PCB, Total	mg/kg	7.95E+00	1.22E-06	1.18E-05	1.05E-06	
26	4	Surface	Cesium-137	pCi/g	1.02E+00	2.43E+02		6.27E-02	3.55E+00
26	4	Surface	Neptunium-237	pCi/g	2.80E+00	8.73E+02		2.25E-01	1.28E+01
26	4	Surface	Plutonium-239/240	pCi/g	1.35E+01	4.22E+03		1.09E+00	6.17E+01
26	4	Surface	Technetium-99	pCi/g	8.36E+02	2.61E+05		6.74E+01	3.82E+03
26	4	Surface	Thorium-230	pCi/g	5.48E+01	1.71E+04		4.42E+00	2.50E+02
26	4	Surface	Uranium-234	pCi/g	2.15E+02	6.73E+04		1.74E+01	9.84E+02
26	4	Surface	Uranium-235	pCi/g	1.52E+01	4.73E+03		1.22E+00	6.92E+01
26	4	Surface	Uranium-238	pCi/g	8.49E+02	2.65E+05		6.85E+01	3.88E+03
77	1	Surface	Chromium	mg/kg	8.30E+01	1.27E-05		1.09E-05	
77	1	Surface	Iron	mg/kg	5.03E+04	7.69E-03		6.62E-03	
77	1	Surface	Uranium	mg/kg	6.66E+02	1.02E-04		8.76E-05	
77	1	Surface	Vanadium	mg/kg	1.68E+02	2.57E-05		2.21E-05	
77	1	Surface	PAH, Total	mg/kg	7.02E-02	1.07E-08	9.68E-08	9.23E-09	
77	1	Surface	PCB, Total	mg/kg	5.00E+00	7.64E-07	7.43E-06	6.58E-07	
77	1	Surface	Thorium-230	pCi/g	1.03E+01	3.22E+03		8.31E-01	4.70E+01
77	1	Surface	Uranium-238	pCi/g	1.53E+01	4.78E+03		1.23E+00	6.99E+01
80	1	Surface	Uranium	mg/kg	9.80E+01	1.50E-05		1.29E-05	
80	1	Surface	Dioxins/Furans, Total	mg/kg	8.82E-05	1.35E-11	2.81E-11	1.16E-11	
80	1	Surface	PCB, Total	mg/kg	1.20E+02	1.83E-05	1.78E-04	1.58E-05	
80	2	Surface	Antimony	mg/kg	5.82E+01	8.89E-06		7.65E-06	
80	2	Surface	Chromium	mg/kg	1.65E+02	2.52E-05		2.17E-05	
80	2	Surface	Cobalt	mg/kg	1.90E+01	2.90E-06		2.50E-06	
80	2	Surface	Iron	mg/kg	3.52E+04	5.38E-03		4.62E-03	
80	2	Surface	Uranium	mg/kg	5.72E+03	8.75E-04		7.53E-04	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.12. Cancerous CDIs for the Future Industrial Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
80	2	Surface	Vanadium	mg/kg	1.29E+02	1.97E-05		1.70E-05	
80	2	Surface	PAH, Total	mg/kg	7.21E-01	1.10E-07	9.95E-07	9.49E-08	
80	2	Surface	PCB, Total	mg/kg	1.26E+01	1.93E-06	1.87E-05	1.66E-06	
80	2	Surface	Americium-241	pCi/g	6.40E+00	1.96E+03		5.06E-01	2.86E+01
80	2	Surface	Cesium-137	pCi/g	8.40E-01	2.00E+02		5.15E-02	2.92E+00
80	2	Surface	Neptunium-237	pCi/g	5.05E-01	1.58E+02		4.07E-02	2.31E+00
80	2	Surface	Uranium-234	pCi/g	2.29E+02	7.16E+04		1.85E+01	1.05E+03
80	2	Surface	Uranium-235	pCi/g	3.00E+01	9.37E+03		2.42E+00	1.37E+02
80	2	Surface	Uranium-238	pCi/g	1.92E+03	6.00E+05		1.55E+02	8.77E+03
80	3	Surface	Chromium	mg/kg	1.81E+01	2.77E-06		2.39E-06	
80	3	Surface	Iron	mg/kg	3.05E+04	4.66E-03		4.01E-03	
80	3	Surface	Manganese	mg/kg	9.46E+02	1.45E-04		1.24E-04	
80	3	Surface	Molybdenum	mg/kg	2.33E+01	3.57E-06		3.07E-06	
80	3	Surface	Uranium	mg/kg	7.32E+01	1.12E-05		9.63E-06	
80	3	Surface	Vanadium	mg/kg	1.21E+02	1.85E-05		1.59E-05	
80	3	Surface	PCB, Total	mg/kg	5.66E+02	8.65E-05	8.41E-04	7.44E-05	
80	3	Surface	Uranium-238	pCi/g	1.59E+00	4.97E+02		1.28E-01	7.26E+00

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.13. Noncancerous CDIs for the Outdoor Worker

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	1	Surface	Vanadium	mg/kg	3.23E+01	9.83E-05		8.80E-09
13	10	Surface	Iron	mg/kg	3.80E+04	1.16E-01		1.04E-05
13	10	Surface	Manganese	mg/kg	3.09E+03	9.39E-03		8.41E-07
13	10	Surface	Silver	mg/kg	5.40E+01	1.64E-04		1.47E-08
13	10	Surface	Vanadium	mg/kg	1.30E+02	3.95E-04		3.54E-08
13	11	Surface	Silver	mg/kg	1.03E+02	3.13E-04		2.80E-08
13	11	Surface	Vanadium	mg/kg	1.14E+02	3.45E-04		3.09E-08
13	11	Surface	PCB, Total	mg/kg	1.03E+01	3.14E-05	3.18E-05	2.82E-09
13	12	Surface	Iron	mg/kg	2.30E+04	7.00E-02		6.27E-06
13	12	Surface	Manganese	mg/kg	1.35E+03	4.11E-03		3.69E-07
13	12	Surface	Silver	mg/kg	8.88E+01	2.70E-04		2.42E-08
13	12	Surface	Vanadium	mg/kg	1.16E+02	3.53E-04		3.17E-08
13	13	Surface	Iron	mg/kg	2.89E+04	8.80E-02		7.89E-06
13	13	Surface	Manganese	mg/kg	1.13E+03	3.43E-03		3.07E-07
13	13	Surface	Molybdenum	mg/kg	2.73E+01	8.29E-05		7.43E-09
13	13	Surface	Vanadium	mg/kg	1.19E+02	3.60E-04		3.23E-08
13	14	Surface	Vanadium	mg/kg	1.22E+02	3.72E-04		3.34E-08
13	14	Surface	PAH, Total	mg/kg	3.27E-02	9.94E-08	9.35E-08	8.91E-12
13	14	Surface	PCB, Total	mg/kg	6.46E+00	1.96E-05	1.99E-05	1.76E-09
13	14	Surface	Uranium-238	pCi/g	2.07E+00	6.30E-06		5.64E-10
13	2	Surface	Iron	mg/kg	2.47E+04	7.53E-02		6.74E-06
13	2	Surface	Manganese	mg/kg	1.22E+03	3.72E-03		3.34E-07
13	2	Surface	Vanadium	mg/kg	9.38E+01	2.85E-04		2.56E-08
13	2	Surface	Uranium-238	pCi/g	1.40E+00	4.26E-06		3.81E-10
13	3	Surface	Iron	mg/kg	2.63E+04	8.00E-02		7.17E-06
13	3	Surface	Manganese	mg/kg	1.09E+03	3.33E-03		2.98E-07
13	3	Surface	Molybdenum	mg/kg	2.19E+01	6.66E-05		5.97E-09
13	3	Surface	Vanadium	mg/kg	9.88E+01	3.00E-04		2.69E-08
13	3	Surface	PAH, Total	mg/kg	2.15E-02	6.54E-08	6.14E-08	5.86E-12
13	4	Surface	Iron	mg/kg	2.75E+04	8.36E-02		7.49E-06
13	4	Surface	Vanadium	mg/kg	9.81E+01	2.98E-04		2.67E-08
13	4	Surface	PAH, Total	mg/kg	4.13E-01	1.26E-06	1.18E-06	1.13E-10
13	4	Surface	PCB, Total	mg/kg	1.05E+01	3.20E-05	3.24E-05	2.87E-09
13	4	Surface	Uranium-238	pCi/g	1.78E+00	5.41E-06		4.85E-10
13	5	Surface	Aluminum	mg/kg	9.83E+03	2.99E-02		2.68E-06
13	5	Surface	Chromium	mg/kg	1.38E+01	4.19E-05		3.75E-09
13	5	Surface	Iron	mg/kg	2.42E+04	7.36E-02		6.59E-06
13	5	Surface	Manganese	mg/kg	9.08E+02	2.76E-03		2.48E-07
13	5	Surface	Uranium	mg/kg	7.41E+01	2.25E-04		2.02E-08
13	5	Surface	Vanadium	mg/kg	1.06E+02	3.21E-04		2.87E-08
13	5	Surface	PAH, Total	mg/kg	4.41E-01	1.34E-06	1.26E-06	1.20E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.13. Noncancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	5	Surface	PCB, Total	mg/kg	6.66E+00	2.02E-05	2.05E-05	1.81E-09
13	5	Surface	Neptunium-237	pCi/g	3.88E-01	1.18E-06		1.06E-10
13	5	Surface	Technetium-99	pCi/g	1.07E+02	3.24E-04		2.91E-08
13	5	Surface	Uranium-234	pCi/g	2.57E+01	7.82E-05		7.01E-09
13	5	Surface	Uranium-235	pCi/g	2.95E+00	8.96E-06		8.03E-10
13	5	Surface	Uranium-238	pCi/g	4.60E+01	1.40E-04		1.25E-08
13	6	Surface	Iron	mg/kg	3.09E+04	9.39E-02		8.42E-06
13	6	Surface	Uranium	mg/kg	3.70E+01	1.12E-04		1.01E-08
13	6	Surface	Vanadium	mg/kg	1.20E+02	3.65E-04		3.27E-08
13	6	Surface	PAH, Total	mg/kg	6.51E-01	1.98E-06	1.86E-06	1.77E-10
13	6	Surface	PCB, Total	mg/kg	1.08E+01	3.27E-05	3.31E-05	2.93E-09
13	6	Surface	Neptunium-237	pCi/g	1.25E+00	3.80E-06		3.40E-10
13	6	Surface	Technetium-99	pCi/g	9.50E+01	2.89E-04		2.59E-08
13	6	Surface	Uranium-234	pCi/g	2.04E+01	6.19E-05		5.55E-09
13	6	Surface	Uranium-235	pCi/g	1.40E+00	4.25E-06		3.81E-10
13	6	Surface	Uranium-238	pCi/g	4.17E+01	1.27E-04		1.14E-08
13	7	Surface	Iron	mg/kg	2.78E+04	8.47E-02		7.59E-06
13	7	Surface	Silver	mg/kg	1.85E+02	5.61E-04		5.03E-08
13	7	Surface	Vanadium	mg/kg	1.22E+02	3.70E-04		3.31E-08
13	7	Surface	Uranium-238	pCi/g	1.30E+00	3.95E-06		3.54E-10
13	8	Surface	Iron	mg/kg	2.41E+04	7.33E-02		6.57E-06
13	8	Surface	Manganese	mg/kg	1.12E+03	3.41E-03		3.05E-07
13	8	Surface	Vanadium	mg/kg	9.97E+01	3.03E-04		2.72E-08
13	8	Surface	PAH, Total	mg/kg	1.22E-02	3.71E-08	3.49E-08	3.32E-12
13	9	Surface	Chromium	mg/kg	1.43E+01	4.36E-05		3.90E-09
13	9	Surface	Vanadium	mg/kg	1.17E+02	3.55E-04		3.18E-08
13	9	Surface	PAH, Total	mg/kg	2.65E-02	8.06E-08	7.57E-08	7.22E-12
13	9	Surface	Neptunium-237	pCi/g	6.88E-01	2.09E-06		1.87E-10
13	9	Surface	Uranium-238	pCi/g	4.07E+00	1.24E-05		1.11E-09
15	1	Surface	Antimony	mg/kg	7.49E+01	2.28E-04		2.04E-08
15	1	Surface	Arsenic	mg/kg	1.27E+01	3.85E-05	8.35E-06	3.45E-09
15	1	Surface	Cadmium	mg/kg	1.56E+01	4.75E-05	3.43E-07	4.25E-09
15	1	Surface	Chromium	mg/kg	8.21E+01	2.50E-04		2.24E-08
15	1	Surface	Iron	mg/kg	2.95E+04	8.98E-02		8.05E-06
15	1	Surface	Nickel	mg/kg	1.32E+02	4.01E-04		3.59E-08
15	1	Surface	Thallium	mg/kg	2.40E-01	7.30E-07		6.54E-11
15	1	Surface	Uranium	mg/kg	3.26E+01	9.90E-05		8.87E-09
15	1	Surface	PAH, Total	mg/kg	1.71E+00	5.21E-06	4.90E-06	4.67E-10
15	1	Surface	Uranium-238	pCi/g	1.85E+00	5.63E-06		5.04E-10
15	10	Surface	Antimony	mg/kg	1.25E+02	3.80E-04		3.40E-08
15	10	Surface	Cadmium	mg/kg	1.67E+01	5.08E-05	3.67E-07	4.55E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.13. Noncancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	10	Surface	Chromium	mg/kg	3.55E+01	1.08E-04		9.67E-09
15	10	Surface	Mercury	mg/kg	7.84E+00	2.38E-05		2.14E-09
15	10	Surface	Nickel	mg/kg	2.26E+02	6.88E-04		6.17E-08
15	10	Surface	Uranium	mg/kg	9.02E+01	2.74E-04		2.46E-08
15	10	Surface	PAH, Total	mg/kg	1.28E-01	3.91E-07	3.67E-07	3.50E-11
15	2	Surface	Antimony	mg/kg	9.83E+01	2.99E-04		2.68E-08
15	2	Surface	Arsenic	mg/kg	1.63E+01	4.94E-05	1.07E-05	4.43E-09
15	2	Surface	Chromium	mg/kg	5.90E+01	1.79E-04		1.61E-08
15	2	Surface	Iron	mg/kg	3.89E+04	1.18E-01		1.06E-05
15	2	Surface	Mercury	mg/kg	9.33E+00	2.84E-05		2.54E-09
15	2	Surface	Nickel	mg/kg	1.97E+02	6.00E-04		5.38E-08
15	2	Surface	Uranium	mg/kg	1.32E+02	4.01E-04		3.59E-08
15	2	Surface	PAH, Total	mg/kg	2.11E+00	6.41E-06	6.02E-06	5.74E-10
15	2	Surface	PCB, Total	mg/kg	3.30E-01	1.00E-06	1.02E-06	8.99E-11
15	2	Surface	Uranium-234	pCi/g	6.51E+00	1.98E-05		1.77E-09
15	2	Surface	Uranium-235	pCi/g	3.80E-01	1.16E-06		1.04E-10
15	2	Surface	Uranium-238	pCi/g	1.21E+01	3.68E-05		3.30E-09
15	3	Surface	Antimony	mg/kg	7.10E+01	2.16E-04		1.93E-08
15	3	Surface	Arsenic	mg/kg	2.74E+01	8.33E-05	1.81E-05	7.46E-09
15	3	Surface	Cadmium	mg/kg	1.25E+01	3.80E-05	2.75E-07	3.41E-09
15	3	Surface	Chromium	mg/kg	7.53E+01	2.29E-04		2.05E-08
15	3	Surface	Cobalt	mg/kg	3.41E+01	1.04E-04		9.29E-09
15	3	Surface	Copper	mg/kg	1.60E+03	4.87E-03		4.37E-07
15	3	Surface	Iron	mg/kg	9.20E+04	2.80E-01		2.51E-05
15	3	Surface	Manganese	mg/kg	1.60E+03	4.88E-03		4.37E-07
15	3	Surface	Mercury	mg/kg	1.05E+01	3.19E-05		2.86E-09
15	3	Surface	Nickel	mg/kg	8.38E+02	2.55E-03		2.28E-07
15	3	Surface	Thallium	mg/kg	2.60E-01	7.91E-07		7.08E-11
15	3	Surface	Uranium	mg/kg	2.16E+02	6.57E-04		5.89E-08
15	3	Surface	Vanadium	mg/kg	7.31E+01	2.22E-04		1.99E-08
15	3	Surface	PAH, Total	mg/kg	1.45E+00	4.42E-06	4.16E-06	3.96E-10
15	3	Surface	PCB, Total	mg/kg	6.82E+00	2.08E-05	2.10E-05	1.86E-09
15	3	Surface	Neptunium-237	pCi/g	3.24E+00	9.84E-06		8.82E-10
15	3	Surface	Technetium-99	pCi/g	2.90E+02	8.82E-04		7.90E-08
15	3	Surface	Thorium-230	pCi/g	5.14E+00	1.56E-05		1.40E-09
15	3	Surface	Uranium-234	pCi/g	1.40E+02	4.26E-04		3.82E-08
15	3	Surface	Uranium-235	pCi/g	1.49E+01	4.53E-05		4.06E-09
15	3	Surface	Uranium-238	pCi/g	8.68E+02	2.64E-03		2.36E-07
15	4	Surface	Antimony	mg/kg	7.63E+01	2.32E-04		2.08E-08
15	4	Surface	Arsenic	mg/kg	3.37E+01	1.02E-04	2.22E-05	9.18E-09
15	4	Surface	Cadmium	mg/kg	1.86E+01	5.65E-05	4.08E-07	5.06E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.13. Noncancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	4	Surface	Chromium	mg/kg	9.02E+01	2.74E-04		2.46E-08
15	4	Surface	Copper	mg/kg	5.99E+02	1.82E-03		1.63E-07
15	4	Surface	Iron	mg/kg	6.90E+04	2.10E-01		1.88E-05
15	4	Surface	Manganese	mg/kg	1.29E+03	3.91E-03		3.51E-07
15	4	Surface	Mercury	mg/kg	3.04E+01	9.23E-05		8.27E-09
15	4	Surface	Nickel	mg/kg	1.24E+03	3.77E-03		3.38E-07
15	4	Surface	Thallium	mg/kg	1.85E-01	5.63E-07		5.04E-11
15	4	Surface	Uranium	mg/kg	1.29E+02	3.92E-04		3.52E-08
15	4	Surface	Vanadium	mg/kg	8.43E+01	2.56E-04		2.30E-08
15	4	Surface	PAH, Total	mg/kg	1.75E+00	5.32E-06	5.00E-06	4.77E-10
15	4	Surface	PCB, Total	mg/kg	3.13E+01	9.52E-05	9.64E-05	8.53E-09
15	4	Surface	Neptunium-237	pCi/g	6.60E-01	2.01E-06		1.80E-10
15	4	Surface	Uranium-234	pCi/g	7.93E+00	2.41E-05		2.16E-09
15	4	Surface	Uranium-235	pCi/g	3.64E-01	1.11E-06		9.92E-11
15	4	Surface	Uranium-238	pCi/g	1.35E+01	4.11E-05		3.68E-09
15	5	Surface	Antimony	mg/kg	1.01E+02	3.08E-04		2.76E-08
15	5	Surface	Arsenic	mg/kg	1.28E+01	3.89E-05	8.44E-06	3.49E-09
15	5	Surface	Cadmium	mg/kg	1.46E+01	4.43E-05	3.21E-07	3.97E-09
15	5	Surface	Chromium	mg/kg	8.43E+01	2.56E-04		2.30E-08
15	5	Surface	Copper	mg/kg	5.63E+03	1.71E-02		1.53E-06
15	5	Surface	Nickel	mg/kg	3.53E+02	1.07E-03		9.61E-08
15	5	Surface	Uranium	mg/kg	1.76E+02	5.34E-04		4.78E-08
15	5	Surface	Zinc	mg/kg	1.52E+03	4.63E-03		4.15E-07
15	5	Surface	PAH, Total	mg/kg	5.11E-01	1.55E-06	1.46E-06	1.39E-10
15	5	Surface	PCB, Total	mg/kg	2.51E+01	7.64E-05	7.73E-05	6.85E-09
15	5	Surface	Neptunium-237	pCi/g	6.90E-01	2.10E-06		1.88E-10
15	5	Surface	Uranium-235	pCi/g	4.60E-01	1.40E-06		1.25E-10
15	5	Surface	Uranium-238	pCi/g	1.03E+01	3.13E-05		2.81E-09
15	6	Surface	Antimony	mg/kg	8.85E+01	2.69E-04		2.41E-08
15	6	Surface	Arsenic	mg/kg	1.24E+01	3.78E-05	8.20E-06	3.39E-09
15	6	Surface	Cadmium	mg/kg	1.64E+01	4.97E-05	3.59E-07	4.46E-09
15	6	Surface	Chromium	mg/kg	8.25E+01	2.51E-04		2.25E-08
15	6	Surface	Cobalt	mg/kg	1.62E+01	4.93E-05		4.41E-09
15	6	Surface	Copper	mg/kg	4.23E+02	1.29E-03		1.15E-07
15	6	Surface	Iron	mg/kg	3.29E+04	1.00E-01		8.96E-06
15	6	Surface	Nickel	mg/kg	3.00E+02	9.13E-04		8.18E-08
15	6	Surface	Uranium	mg/kg	6.30E+01	1.91E-04		1.72E-08
15	6	Surface	PAH, Total	mg/kg	1.62E+00	4.94E-06	4.64E-06	4.42E-10
15	6	Surface	PCB, Total	mg/kg	6.17E+00	1.87E-05	1.90E-05	1.68E-09
15	6	Surface	Neptunium-237	pCi/g	6.40E-01	1.95E-06		1.74E-10
15	6	Surface	Uranium-234	pCi/g	8.74E+00	2.66E-05		2.38E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.13. Noncancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	6	Surface	Uranium-235	pCi/g	5.70E-01	1.73E-06		1.55E-10
15	6	Surface	Uranium-238	pCi/g	1.54E+01	4.68E-05		4.20E-09
15	7	Surface	Antimony	mg/kg	1.37E+02	4.17E-04		3.74E-08
15	7	Surface	Arsenic	mg/kg	1.61E+01	4.89E-05	1.06E-05	4.38E-09
15	7	Surface	Cadmium	mg/kg	1.80E+01	5.47E-05	3.96E-07	4.90E-09
15	7	Surface	Chromium	mg/kg	7.97E+01	2.42E-04		2.17E-08
15	7	Surface	Copper	mg/kg	8.29E+02	2.52E-03		2.26E-07
15	7	Surface	Iron	mg/kg	3.42E+04	1.04E-01		9.32E-06
15	7	Surface	Manganese	mg/kg	1.18E+03	3.60E-03		3.22E-07
15	7	Surface	Nickel	mg/kg	5.59E+02	1.70E-03		1.52E-07
15	7	Surface	Thallium	mg/kg	3.00E-01	9.12E-07		8.17E-11
15	7	Surface	Uranium	mg/kg	5.39E+01	1.64E-04		1.47E-08
15	7	Surface	PAH, Total	mg/kg	1.59E-01	4.83E-07	4.54E-07	4.33E-11
15	7	Surface	PCB, Total	mg/kg	2.57E+01	7.81E-05	7.90E-05	7.00E-09
15	7	Surface	Uranium-234	pCi/g	6.49E+00	1.97E-05		1.77E-09
15	7	Surface	Uranium-235	pCi/g	4.50E-01	1.37E-06		1.23E-10
15	7	Surface	Uranium-238	pCi/g	8.05E+00	2.45E-05		2.19E-09
15	8	Surface	Antimony	mg/kg	7.42E+01	2.26E-04		2.02E-08
15	8	Surface	Arsenic	mg/kg	1.17E+01	3.54E-05	7.68E-06	3.17E-09
15	8	Surface	Cadmium	mg/kg	1.68E+01	5.12E-05	3.70E-07	4.58E-09
15	8	Surface	Chromium	mg/kg	7.74E+01	2.35E-04		2.11E-08
15	8	Surface	Iron	mg/kg	2.83E+04	8.59E-02		7.70E-06
15	8	Surface	Mercury	mg/kg	1.01E+01	3.06E-05		2.74E-09
15	8	Surface	Nickel	mg/kg	1.82E+02	5.53E-04		4.95E-08
15	8	Surface	Uranium	mg/kg	4.46E+01	1.35E-04		1.21E-08
15	8	Surface	PAH, Total	mg/kg	3.59E-01	1.09E-06	1.03E-06	9.78E-11
15	8	Surface	PCB, Total	mg/kg	5.01E+00	1.52E-05	1.54E-05	1.36E-09
15	8	Surface	Neptunium-237	pCi/g	3.65E-01	1.11E-06		9.95E-11
15	8	Surface	Uranium-238	pCi/g	6.64E+00	2.02E-05		1.81E-09
15	9	Surface	Antimony	mg/kg	1.12E+02	3.40E-04		3.05E-08
15	9	Surface	Arsenic	mg/kg	1.10E+01	3.36E-05	7.28E-06	3.01E-09
15	9	Surface	Cadmium	mg/kg	1.81E+01	5.50E-05	3.98E-07	4.93E-09
15	9	Surface	Chromium	mg/kg	9.56E+01	2.91E-04		2.61E-08
15	9	Surface	Iron	mg/kg	2.76E+04	8.39E-02		7.52E-06
15	9	Surface	Nickel	mg/kg	1.49E+02	4.53E-04		4.06E-08
15	9	Surface	Uranium	mg/kg	3.07E+01	9.32E-05		8.35E-09
15	9	Surface	Vanadium	mg/kg	7.33E+01	2.23E-04		2.00E-08
15	9	Surface	PAH, Total	mg/kg	2.38E-01	7.25E-07	6.81E-07	6.49E-11
15	9	Surface	PCB, Total	mg/kg	6.31E+00	1.92E-05	1.94E-05	1.72E-09
15	9	Surface	Uranium-238	pCi/g	7.12E+00	2.17E-05		1.94E-09
204	1	Surface	Aluminum	mg/kg	1.18E+04	3.58E-02		3.21E-06

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.13. Noncancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	1	Surface	Chromium	mg/kg	1.42E+01	4.31E-05		3.86E-09
204	1	Surface	Vanadium	mg/kg	1.20E+02	3.65E-04		3.27E-08
204	1	Surface	PAH, Total	mg/kg	4.93E-01	1.50E-06	1.41E-06	1.34E-10
204	1	Surface	Uranium-238	pCi/g	1.27E+00	3.87E-06		3.47E-10
204	10	Surface	Antimony	mg/kg	1.20E+01	3.65E-05		3.27E-09
204	10	Surface	Iron	mg/kg	3.08E+04	9.38E-02		8.40E-06
204	10	Surface	Vanadium	mg/kg	1.19E+02	3.62E-04		3.24E-08
204	10	Surface	PAH, Total	mg/kg	6.42E-02	1.95E-07	1.83E-07	1.75E-11
204	10	Surface	Uranium-238	pCi/g	3.15E+00	9.58E-06		8.58E-10
204	11	Surface	Iron	mg/kg	3.05E+04	9.28E-02		8.32E-06
204	11	Surface	Vanadium	mg/kg	1.43E+02	4.35E-04		3.90E-08
204	11	Surface	PAH, Total	mg/kg	8.95E-02	2.72E-07	2.56E-07	2.44E-11
204	11	Surface	Uranium-238	pCi/g	3.09E+00	9.40E-06		8.42E-10
204	12	Surface	Iron	mg/kg	2.86E+04	8.70E-02		7.80E-06
204	12	Surface	Thallium	mg/kg	2.10E-01	6.39E-07		5.72E-11
204	12	Surface	Vanadium	mg/kg	1.44E+02	4.38E-04		3.92E-08
204	12	Surface	PAH, Total	mg/kg	6.43E-02	1.96E-07	1.84E-07	1.75E-11
204	12	Surface	Uranium-238	pCi/g	3.26E+00	9.91E-06		8.88E-10
204	13	Surface	Chromium	mg/kg	1.70E+01	5.17E-05		4.63E-09
204	13	Surface	Vanadium	mg/kg	1.45E+02	4.41E-04		3.95E-08
204	13	Surface	PAH, Total	mg/kg	5.05E-01	1.54E-06	1.44E-06	1.38E-10
204	13	Surface	Uranium-238	pCi/g	2.98E+00	9.06E-06		8.12E-10
204	14	Surface	Arsenic	mg/kg	1.36E+02	4.14E-04	8.97E-05	3.71E-08
204	14	Surface	Chromium	mg/kg	1.70E+01	5.17E-05		4.63E-09
204	14	Surface	Iron	mg/kg	3.17E+04	9.64E-02		8.64E-06
204	14	Surface	Uranium	mg/kg	1.34E+02	4.08E-04		3.65E-08
204	14	Surface	Vanadium	mg/kg	1.43E+02	4.35E-04		3.90E-08
204	14	Surface	PAH, Total	mg/kg	1.28E-01	3.88E-07	3.65E-07	3.48E-11
204	14	Surface	Uranium-238	pCi/g	4.25E+00	1.29E-05		1.16E-09
204	15	Surface	Iron	mg/kg	2.90E+04	8.83E-02		7.91E-06
204	15	Surface	Vanadium	mg/kg	1.13E+02	3.44E-04		3.08E-08
204	15	Surface	PAH, Total	mg/kg	1.25E-02	3.79E-08	3.56E-08	3.40E-12
204	15	Surface	Cesium-137	pCi/g	6.30E-01	1.92E-06		1.72E-10
204	15	Surface	Uranium-238	pCi/g	5.37E+00	1.63E-05		1.46E-09
204	16	Surface	Iron	mg/kg	2.89E+04	8.80E-02		7.88E-06
204	16	Surface	Vanadium	mg/kg	1.22E+02	3.71E-04		3.32E-08
204	16	Surface	PAH, Total	mg/kg	1.45E-02	4.41E-08	4.14E-08	3.95E-12
204	17	Surface	Iron	mg/kg	2.98E+04	9.06E-02		8.12E-06
204	17	Surface	Vanadium	mg/kg	1.22E+02	3.71E-04		3.32E-08
204	17	Surface	PAH, Total	mg/kg	5.99E-02	1.82E-07	1.71E-07	1.63E-11
204	17	Surface	Uranium-238	pCi/g	2.50E+00	7.60E-06		6.81E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.13. Noncancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	18	Surface	Iron	mg/kg	3.35E+04	1.02E-01		9.14E-06
204	18	Surface	Uranium	mg/kg	1.09E+02	3.31E-04		2.97E-08
204	18	Surface	Vanadium	mg/kg	1.51E+02	4.59E-04		4.11E-08
204	18	Surface	PAH, Total	mg/kg	7.04E-03	2.14E-08	2.01E-08	1.92E-12
204	18	Surface	Uranium-238	pCi/g	1.81E+00	5.50E-06		4.93E-10
204	19	Surface	Silver	mg/kg	5.50E+01	1.67E-04		1.50E-08
204	19	Surface	Uranium	mg/kg	8.50E+01	2.58E-04		2.32E-08
204	19	Surface	Vanadium	mg/kg	1.06E+02	3.22E-04		2.89E-08
204	19	Surface	PAH, Total	mg/kg	1.30E-01	3.94E-07	3.71E-07	3.53E-11
204	19	Surface	Uranium-238	pCi/g	2.65E+00	8.06E-06		7.22E-10
204	2	Surface	Arsenic	mg/kg	4.59E+01	1.40E-04	3.03E-05	1.25E-08
204	2	Surface	Chromium	mg/kg	1.84E+01	5.59E-05		5.01E-09
204	2	Surface	Vanadium	mg/kg	1.20E+02	3.66E-04		3.28E-08
204	2	Surface	PAH, Total	mg/kg	6.20E-02	1.89E-07	1.77E-07	1.69E-11
204	2	Surface	Uranium-238	pCi/g	3.92E+00	1.19E-05		1.07E-09
204	20	Surface	Chromium	mg/kg	1.75E+02	5.32E-04		4.77E-08
204	20	Surface	Uranium	mg/kg	1.31E+04	3.97E-02		3.56E-06
204	20	Surface	Vanadium	mg/kg	1.14E+02	3.47E-04		3.11E-08
204	20	Surface	PCB, Total	mg/kg	7.90E+01	2.40E-04	2.43E-04	2.15E-08
204	20	Surface	Americium-241	pCi/g	3.71E+00	1.13E-05		1.01E-09
204	20	Surface	Cesium-137	pCi/g	1.17E+00	3.56E-06		3.19E-10
204	20	Surface	Protactinium-231	pCi/g	3.65E+01	1.11E-04		9.94E-09
204	20	Surface	Uranium-234	pCi/g	4.45E+02	1.35E-03		1.21E-07
204	20	Surface	Uranium-235	pCi/g	5.70E+01	1.73E-04		1.55E-08
204	20	Surface	Uranium-238	pCi/g	4.39E+03	1.33E-02		1.20E-06
204	21	Surface	Cobalt	mg/kg	1.80E+01	5.47E-05		4.90E-09
204	21	Surface	Vanadium	mg/kg	1.19E+02	3.62E-04		3.24E-08
204	3	Surface	Chromium	mg/kg	1.80E+01	5.47E-05		4.90E-09
204	3	Surface	Silver	mg/kg	5.40E+01	1.64E-04		1.47E-08
204	3	Surface	Vanadium	mg/kg	1.22E+02	3.71E-04		3.32E-08
204	3	Surface	PAH, Total	mg/kg	3.52E-02	1.07E-07	1.01E-07	9.59E-12
204	3	Surface	Uranium-238	pCi/g	2.31E+00	7.02E-06		6.29E-10
204	4	Surface	Iron	mg/kg	2.92E+04	8.89E-02		7.96E-06
204	4	Surface	Molybdenum	mg/kg	4.10E+01	1.25E-04		1.12E-08
204	4	Surface	Silver	mg/kg	5.90E+01	1.79E-04		1.61E-08
204	4	Surface	Vanadium	mg/kg	1.39E+02	4.23E-04		3.79E-08
204	4	Surface	PAH, Total	mg/kg	2.33E-02	7.09E-08	6.66E-08	6.35E-12
204	4	Surface	Uranium-238	pCi/g	1.82E+00	5.53E-06		4.96E-10
204	5	Surface	Arsenic	mg/kg	5.67E+01	1.73E-04	3.74E-05	1.55E-08
204	5	Surface	Chromium	mg/kg	1.61E+01	4.89E-05		4.38E-09
204	5	Surface	Vanadium	mg/kg	1.21E+02	3.69E-04		3.30E-08

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.13. Noncancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	5	Surface	PAH, Total	mg/kg	2.04E-02	6.20E-08	5.83E-08	5.56E-12
204	5	Surface	Uranium-238	pCi/g	5.65E+00	1.72E-05		1.54E-09
204	6	Surface	Vanadium	mg/kg	1.25E+02	3.80E-04		3.41E-08
204	6	Surface	PAH, Total	mg/kg	3.25E-02	9.88E-08	9.29E-08	8.86E-12
204	6	Surface	Uranium-238	pCi/g	3.63E+00	1.10E-05		9.89E-10
204	7	Surface	Iron	mg/kg	2.95E+04	8.96E-02		8.03E-06
204	7	Surface	Manganese	mg/kg	1.94E+03	5.90E-03		5.28E-07
204	7	Surface	Vanadium	mg/kg	1.27E+02	3.86E-04		3.46E-08
204	7	Surface	PAH, Total	mg/kg	9.68E-03	2.94E-08	2.77E-08	2.64E-12
204	7	Surface	Uranium-238	pCi/g	2.04E+00	6.20E-06		5.56E-10
204	8	Surface	Chromium	mg/kg	1.70E+01	5.17E-05		4.63E-09
204	8	Surface	Cobalt	mg/kg	1.40E+01	4.26E-05		3.81E-09
204	8	Surface	Iron	mg/kg	2.94E+04	8.94E-02		8.01E-06
204	8	Surface	Vanadium	mg/kg	1.32E+02	4.01E-04		3.60E-08
204	8	Surface	PAH, Total	mg/kg	7.37E-02	2.24E-07	2.10E-07	2.01E-11
204	8	Surface	Uranium-238	pCi/g	2.01E+00	6.11E-06		5.48E-10
204	9	Surface	Chromium	mg/kg	1.80E+01	5.47E-05		4.90E-09
204	9	Surface	Iron	mg/kg	2.96E+04	9.01E-02		8.07E-06
204	9	Surface	Vanadium	mg/kg	1.37E+02	4.17E-04		3.73E-08
204	9	Surface	PAH, Total	mg/kg	5.01E+00	1.52E-05	1.43E-05	1.37E-09
204	9	Surface	Uranium-238	pCi/g	2.22E+00	6.75E-06		6.05E-10
211	1	Surface	Antimony	mg/kg	6.52E+01	1.98E-04		1.78E-08
211	1	Surface	Chromium	mg/kg	4.48E+01	1.36E-04		1.22E-08
211	1	Surface	Iron	mg/kg	3.05E+04	9.26E-02		8.30E-06
211	1	Surface	Thallium	mg/kg	3.30E-01	1.00E-06		8.99E-11
211	1	Surface	Vanadium	mg/kg	1.01E+02	3.07E-04		2.75E-08
211	1	Surface	PAH, Total	mg/kg	1.04E-01	3.16E-07	2.97E-07	2.83E-11
211	1	Surface	PCB, Total	mg/kg	3.60E-01	1.09E-06	1.11E-06	9.81E-11
211	1	Surface	Cesium-137	pCi/g	1.67E+00	5.08E-06		4.55E-10
211	1	Surface	Neptunium-237	pCi/g	5.93E+00	1.80E-05		1.62E-09
211	1	Surface	Uranium-234	pCi/g	6.69E+01	2.03E-04		1.82E-08
211	1	Surface	Uranium-238	pCi/g	1.19E+02	3.62E-04		3.24E-08
224	1	Surface	Antimony	mg/kg	1.08E+02	3.29E-04		2.94E-08
224	1	Surface	Uranium	mg/kg	4.15E+01	1.26E-04		1.13E-08
224	1	Surface	PAH, Total	mg/kg	5.95E-01	1.81E-06	1.70E-06	1.62E-10
224	1	Surface	Uranium-238	pCi/g	1.39E+01	4.23E-05		3.79E-09
225	1	Surface	Antimony	mg/kg	5.41E+01	1.65E-04		1.47E-08
225	1	Surface	Chromium	mg/kg	2.55E+01	7.75E-05		6.95E-09
225	1	Surface	Thallium	mg/kg	2.80E-01	8.52E-07		7.63E-11
225	1	Surface	Vanadium	mg/kg	1.09E+02	3.31E-04		2.97E-08
225	1	Surface	PAH, Total	mg/kg	7.79E-02	2.37E-07	2.22E-07	2.12E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.13. Noncancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
225	1	Surface	Uranium-238	pCi/g	2.04E+00	6.20E-06		5.56E-10
26	1	Surface	Chromium	mg/kg	1.67E+01	5.08E-05		4.56E-09
26	1	Surface	Iron	mg/kg	2.88E+04	8.75E-02		7.84E-06
26	1	Surface	Uranium	mg/kg	6.28E+02	1.91E-03		1.71E-07
26	1	Surface	Vanadium	mg/kg	1.61E+02	4.90E-04		4.39E-08
26	1	Surface	PAH, Total	mg/kg	1.97E-01	5.99E-07	5.63E-07	5.37E-11
26	1	Surface	PCB, Total	mg/kg	9.40E+00	2.86E-05	2.89E-05	2.56E-09
26	1	Surface	Uranium-234	pCi/g	7.78E+00	2.37E-05		2.12E-09
26	1	Surface	Uranium-235	pCi/g	1.23E+00	3.74E-06		3.35E-10
26	1	Surface	Uranium-238	pCi/g	6.75E+01	2.05E-04		1.84E-08
26	2	Surface	Aluminum	mg/kg	2.61E+04	7.94E-02		7.11E-06
26	2	Surface	Arsenic	mg/kg	4.23E+01	1.29E-04	2.79E-05	1.15E-08
26	2	Surface	Beryllium	mg/kg	1.13E+01	3.42E-05		3.07E-09
26	2	Surface	Chromium	mg/kg	4.12E+01	1.25E-04		1.12E-08
26	2	Surface	Cobalt	mg/kg	6.59E+01	2.00E-04		1.80E-08
26	2	Surface	Iron	mg/kg	5.20E+04	1.58E-01		1.42E-05
26	2	Surface	Nickel	mg/kg	1.03E+02	3.12E-04		2.80E-08
26	2	Surface	Thallium	mg/kg	2.38E+01	7.23E-05		6.48E-09
26	2	Surface	Uranium	mg/kg	7.18E+02	2.18E-03		1.96E-07
26	2	Surface	Vanadium	mg/kg	1.16E+02	3.52E-04		3.15E-08
26	2	Surface	PCB, Total	mg/kg	3.25E+00	9.89E-06	1.00E-05	8.86E-10
26	2	Surface	Cesium-137	pCi/g	9.52E+00	2.90E-05		2.59E-09
26	2	Surface	Neptunium-237	pCi/g	2.15E-01	6.54E-07		5.86E-11
26	2	Surface	Radium-228	pCi/g	1.69E+00	5.14E-06		4.61E-10
26	2	Surface	Thorium-230	pCi/g	3.59E+00	1.09E-05		9.79E-10
26	2	Surface	Uranium-234	pCi/g	1.98E+01	6.01E-05		5.39E-09
26	2	Surface	Uranium-235	pCi/g	2.36E+00	7.18E-06		6.43E-10
26	2	Surface	Uranium-238	pCi/g	5.01E+01	1.52E-04		1.36E-08
26	3	Surface	Arsenic	mg/kg	7.56E+01	2.30E-04	4.98E-05	2.06E-08
26	3	Surface	Chromium	mg/kg	4.56E+01	1.39E-04		1.24E-08
26	3	Surface	Iron	mg/kg	3.46E+04	1.05E-01		9.43E-06
26	3	Surface	Molybdenum	mg/kg	4.07E+01	1.24E-04		1.11E-08
26	3	Surface	Thallium	mg/kg	3.68E+00	1.12E-05		1.00E-09
26	3	Surface	Uranium	mg/kg	2.05E+02	6.23E-04		5.58E-08
26	3	Surface	Vanadium	mg/kg	1.44E+02	4.37E-04		3.92E-08
26	3	Surface	PAH, Total	mg/kg	3.30E-01	1.00E-06	9.43E-07	8.99E-11
26	3	Surface	PCB, Total	mg/kg	8.91E+00	2.71E-05	2.74E-05	2.43E-09
26	3	Surface	Cesium-137	pCi/g	4.51E+00	1.37E-05		1.23E-09
26	3	Surface	Neptunium-237	pCi/g	3.70E-01	1.13E-06		1.01E-10
26	3	Surface	Uranium-234	pCi/g	5.02E+00	1.53E-05		1.37E-09
26	3	Surface	Uranium-235	pCi/g	3.15E-01	9.58E-07		8.58E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.13. Noncancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
26	3	Surface	Uranium-238	pCi/g	7.00E+00	2.13E-05		1.91E-09
26	4	Surface	Aluminum	mg/kg	1.11E+04	3.38E-02		3.03E-06
26	4	Surface	Arsenic	mg/kg	6.01E+01	1.83E-04	3.97E-05	1.64E-08
26	4	Surface	Chromium	mg/kg	1.14E+02	3.48E-04		3.11E-08
26	4	Surface	Iron	mg/kg	2.81E+04	8.55E-02		7.67E-06
26	4	Surface	Mercury	mg/kg	7.33E+01	2.23E-04		2.00E-08
26	4	Surface	Molybdenum	mg/kg	3.49E+01	1.06E-04		9.52E-09
26	4	Surface	Nickel	mg/kg	8.10E+01	2.46E-04		2.21E-08
26	4	Surface	Uranium	mg/kg	1.47E+03	4.48E-03		4.01E-07
26	4	Surface	Vanadium	mg/kg	1.42E+02	4.32E-04		3.87E-08
26	4	Surface	PAH, Total	mg/kg	5.53E+00	1.68E-05	1.58E-05	1.51E-09
26	4	Surface	PCB, Total	mg/kg	7.95E+00	2.42E-05	2.45E-05	2.17E-09
26	4	Surface	Cesium-137	pCi/g	1.02E+00	3.11E-06		2.79E-10
26	4	Surface	Neptunium-237	pCi/g	2.80E+00	8.50E-06		7.62E-10
26	4	Surface	Plutonium-239/240	pCi/g	1.35E+01	4.11E-05		3.68E-09
26	4	Surface	Technetium-99	pCi/g	8.36E+02	2.54E-03		2.28E-07
26	4	Surface	Thorium-230	pCi/g	5.48E+01	1.67E-04		1.49E-08
26	4	Surface	Uranium-234	pCi/g	2.15E+02	6.55E-04		5.87E-08
26	4	Surface	Uranium-235	pCi/g	1.52E+01	4.61E-05		4.13E-09
26	4	Surface	Uranium-238	pCi/g	8.49E+02	2.58E-03		2.31E-07
77	1	Surface	Chromium	mg/kg	8.30E+01	2.52E-04		2.26E-08
77	1	Surface	Iron	mg/kg	5.03E+04	1.53E-01		1.37E-05
77	1	Surface	Uranium	mg/kg	6.66E+02	2.03E-03		1.81E-07
77	1	Surface	Vanadium	mg/kg	1.68E+02	5.11E-04		4.58E-08
77	1	Surface	PAH, Total	mg/kg	7.02E-02	2.13E-07	2.01E-07	1.91E-11
77	1	Surface	PCB, Total	mg/kg	5.00E+00	1.52E-05	1.54E-05	1.36E-09
77	1	Surface	Thorium-230	pCi/g	1.03E+01	3.13E-05		2.81E-09
77	1	Surface	Uranium-238	pCi/g	1.53E+01	4.65E-05		4.17E-09
80	1	Surface	Uranium	mg/kg	9.80E+01	2.98E-04		2.67E-08
80	1	Surface	Dioxins/Furans, Total	mg/kg	8.82E-05	2.68E-10	5.82E-11	2.40E-14
80	1	Surface	PCB, Total	mg/kg	1.20E+02	3.65E-04	3.69E-04	3.27E-08
80	2	Surface	Antimony	mg/kg	5.82E+01	1.77E-04		1.59E-08
80	2	Surface	Chromium	mg/kg	1.65E+02	5.02E-04		4.50E-08
80	2	Surface	Cobalt	mg/kg	1.90E+01	5.78E-05		5.18E-09
80	2	Surface	Iron	mg/kg	3.52E+04	1.07E-01		9.58E-06
80	2	Surface	Uranium	mg/kg	5.72E+03	1.74E-02		1.56E-06
80	2	Surface	Vanadium	mg/kg	1.29E+02	3.92E-04		3.52E-08
80	2	Surface	PAH, Total	mg/kg	7.21E-01	2.19E-06	2.06E-06	1.97E-10
80	2	Surface	PCB, Total	mg/kg	1.26E+01	3.83E-05	3.88E-05	3.43E-09
80	2	Surface	Americium-241	pCi/g	6.40E+00	1.95E-05		1.74E-09
80	2	Surface	Cesium-137	pCi/g	8.40E-01	2.55E-06		2.29E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.13. Noncancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
80	2	Surface	Neptunium-237	pCi/g	5.05E-01	1.54E-06		1.38E-10
80	2	Surface	Uranium-234	pCi/g	2.29E+02	6.96E-04		6.24E-08
80	2	Surface	Uranium-235	pCi/g	3.00E+01	9.12E-05		8.17E-09
80	2	Surface	Uranium-238	pCi/g	1.92E+03	5.84E-03		5.23E-07
80	3	Surface	Chromium	mg/kg	1.81E+01	5.52E-05		4.94E-09
80	3	Surface	Iron	mg/kg	3.05E+04	9.27E-02		8.31E-06
80	3	Surface	Manganese	mg/kg	9.46E+02	2.88E-03		2.58E-07
80	3	Surface	Molybdenum	mg/kg	2.33E+01	7.10E-05		6.36E-09
80	3	Surface	Uranium	mg/kg	7.32E+01	2.23E-04		1.99E-08
80	3	Surface	Vanadium	mg/kg	1.21E+02	3.67E-04		3.29E-08
80	3	Surface	PCB, Total	mg/kg	5.66E+02	1.72E-03	1.74E-03	1.54E-07
80	3	Surface	Uranium-238	pCi/g	1.59E+00	4.84E-06		4.33E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.14. Cancerous CDIs for the Outdoor Worker

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
13	1	Surface	Vanadium	mg/kg	3.23E+01	3.51E-05		3.14E-06	
13	10	Surface	Iron	mg/kg	3.80E+04	4.13E-02		3.70E-03	
13	10	Surface	Manganese	mg/kg	3.09E+03	3.35E-03		3.01E-04	
13	10	Surface	Silver	mg/kg	5.40E+01	5.86E-05		5.26E-06	
13	10	Surface	Vanadium	mg/kg	1.30E+02	1.41E-04		1.27E-05	
13	11	Surface	Silver	mg/kg	1.03E+02	1.12E-04		1.00E-05	
13	11	Surface	Vanadium	mg/kg	1.14E+02	1.23E-04		1.10E-05	
13	11	Surface	PCB, Total	mg/kg	1.03E+01	1.12E-05	1.14E-05	1.01E-06	
13	12	Surface	Iron	mg/kg	2.30E+04	2.50E-02		2.24E-03	
13	12	Surface	Manganese	mg/kg	1.35E+03	1.47E-03		1.32E-04	
13	12	Surface	Silver	mg/kg	8.88E+01	9.64E-05		8.64E-06	
13	12	Surface	Vanadium	mg/kg	1.16E+02	1.26E-04		1.13E-05	
13	13	Surface	Iron	mg/kg	2.89E+04	3.14E-02		2.82E-03	
13	13	Surface	Manganese	mg/kg	1.13E+03	1.22E-03		1.10E-04	
13	13	Surface	Molybdenum	mg/kg	2.73E+01	2.96E-05		2.65E-06	
13	13	Surface	Vanadium	mg/kg	1.19E+02	1.29E-04		1.15E-05	
13	14	Surface	Vanadium	mg/kg	1.22E+02	1.33E-04		1.19E-05	
13	14	Surface	PAH, Total	mg/kg	3.27E-02	3.55E-08	3.34E-08	3.18E-09	
13	14	Surface	PCB, Total	mg/kg	6.46E+00	7.02E-06	7.10E-06	6.29E-07	
13	14	Surface	Uranium-238	pCi/g	2.07E+00	4.60E+03		1.24E-01	6.99E+00
13	2	Surface	Iron	mg/kg	2.47E+04	2.69E-02		2.41E-03	
13	2	Surface	Manganese	mg/kg	1.22E+03	1.33E-03		1.19E-04	
13	2	Surface	Vanadium	mg/kg	9.38E+01	1.02E-04		9.13E-06	
13	2	Surface	Uranium-238	pCi/g	1.40E+00	3.11E+03		8.35E-02	4.73E+00
13	3	Surface	Iron	mg/kg	2.63E+04	2.86E-02		2.56E-03	
13	3	Surface	Manganese	mg/kg	1.09E+03	1.19E-03		1.06E-04	
13	3	Surface	Molybdenum	mg/kg	2.19E+01	2.38E-05		2.13E-06	
13	3	Surface	Vanadium	mg/kg	9.88E+01	1.07E-04		9.61E-06	
13	3	Surface	PAH, Total	mg/kg	2.15E-02	2.34E-08	2.19E-08	2.09E-09	
13	4	Surface	Iron	mg/kg	2.75E+04	2.99E-02		2.67E-03	
13	4	Surface	Vanadium	mg/kg	9.81E+01	1.07E-04		9.55E-06	
13	4	Surface	PAH, Total	mg/kg	4.13E-01	4.49E-07	4.22E-07	4.02E-08	
13	4	Surface	PCB, Total	mg/kg	1.05E+01	1.14E-05	1.16E-05	1.02E-06	
13	4	Surface	Uranium-238	pCi/g	1.78E+00	3.95E+03		1.06E-01	6.01E+00
13	5	Surface	Aluminum	mg/kg	9.83E+03	1.07E-02		9.57E-04	
13	5	Surface	Chromium	mg/kg	1.38E+01	1.50E-05		1.34E-06	
13	5	Surface	Iron	mg/kg	2.42E+04	2.63E-02		2.36E-03	
13	5	Surface	Manganese	mg/kg	9.08E+02	9.87E-04		8.84E-05	
13	5	Surface	Uranium	mg/kg	7.41E+01	8.05E-05		7.21E-06	
13	5	Surface	Vanadium	mg/kg	1.06E+02	1.15E-04		1.03E-05	
13	5	Surface	PAH, Total	mg/kg	4.41E-01	4.79E-07	4.50E-07	4.29E-08	
13	5	Surface	PCB, Total	mg/kg	6.66E+00	7.23E-06	7.32E-06	6.48E-07	
13	5	Surface	Neptunium-237	pCi/g	3.88E-01	8.61E+02		2.32E-02	1.31E+00
13	5	Surface	Technetium-99	pCi/g	1.07E+02	2.37E+05		6.37E+00	3.61E+02
13	5	Surface	Uranium-234	pCi/g	2.57E+01	5.71E+04		1.53E+00	8.69E+01

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.14. Cancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
13	5	Surface	Uranium-235	pCi/g	2.95E+00	6.54E+03		1.76E-01	9.95E+00
13	5	Surface	Uranium-238	pCi/g	4.60E+01	1.02E+05		2.74E+00	1.55E+02
13	6	Surface	Iron	mg/kg	3.09E+04	3.35E-02		3.01E-03	
13	6	Surface	Uranium	mg/kg	3.70E+01	4.02E-05		3.60E-06	
13	6	Surface	Vanadium	mg/kg	1.20E+02	1.30E-04		1.17E-05	
13	6	Surface	PAH, Total	mg/kg	6.51E-01	7.07E-07	6.64E-07	6.34E-08	
13	6	Surface	PCB, Total	mg/kg	1.08E+01	1.17E-05	1.18E-05	1.05E-06	
13	6	Surface	Neptunium-237	pCi/g	1.25E+00	2.77E+03		7.45E-02	4.22E+00
13	6	Surface	Technetium-99	pCi/g	9.50E+01	2.11E+05		5.67E+00	3.21E+02
13	6	Surface	Uranium-234	pCi/g	2.04E+01	4.52E+04		1.21E+00	6.88E+01
13	6	Surface	Uranium-235	pCi/g	1.40E+00	3.10E+03		8.34E-02	4.72E+00
13	6	Surface	Uranium-238	pCi/g	4.17E+01	9.26E+04		2.49E+00	1.41E+02
13	7	Surface	Iron	mg/kg	2.78E+04	3.02E-02		2.71E-03	
13	7	Surface	Silver	mg/kg	1.85E+02	2.00E-04		1.80E-05	
13	7	Surface	Vanadium	mg/kg	1.22E+02	1.32E-04		1.18E-05	
13	7	Surface	Uranium-238	pCi/g	1.30E+00	2.89E+03		7.76E-02	4.39E+00
13	8	Surface	Iron	mg/kg	2.41E+04	2.62E-02		2.35E-03	
13	8	Surface	Manganese	mg/kg	1.12E+03	1.22E-03		1.09E-04	
13	8	Surface	Vanadium	mg/kg	9.97E+01	1.08E-04		9.70E-06	
13	8	Surface	PAH, Total	mg/kg	1.22E-02	1.33E-08	1.25E-08	1.19E-09	
13	9	Surface	Chromium	mg/kg	1.43E+01	1.56E-05		1.39E-06	
13	9	Surface	Vanadium	mg/kg	1.17E+02	1.27E-04		1.13E-05	
13	9	Surface	PAH, Total	mg/kg	2.65E-02	2.88E-08	2.70E-08	2.58E-09	
13	9	Surface	Neptunium-237	pCi/g	6.88E-01	1.53E+03		4.11E-02	2.32E+00
13	9	Surface	Uranium-238	pCi/g	4.07E+00	9.04E+03		2.43E-01	1.38E+01
15	1	Surface	Antimony	mg/kg	7.49E+01	8.13E-05		7.29E-06	
15	1	Surface	Arsenic	mg/kg	1.27E+01	1.38E-05	2.98E-06	1.23E-06	
15	1	Surface	Cadmium	mg/kg	1.56E+01	1.70E-05	1.23E-07	1.52E-06	
15	1	Surface	Chromium	mg/kg	8.21E+01	8.92E-05		7.99E-06	
15	1	Surface	Iron	mg/kg	2.95E+04	3.21E-02		2.87E-03	
15	1	Surface	Nickel	mg/kg	1.32E+02	1.43E-04		1.28E-05	
15	1	Surface	Thallium	mg/kg	2.40E-01	2.61E-07		2.34E-08	
15	1	Surface	Uranium	mg/kg	3.26E+01	3.54E-05		3.17E-06	
15	1	Surface	PAH, Total	mg/kg	1.71E+00	1.86E-06	1.75E-06	1.67E-07	
15	1	Surface	Uranium-238	pCi/g	1.85E+00	4.11E+03		1.10E-01	6.25E+00
15	10	Surface	Antimony	mg/kg	1.25E+02	1.36E-04		1.22E-05	
15	10	Surface	Cadmium	mg/kg	1.67E+01	1.81E-05	1.31E-07	1.63E-06	
15	10	Surface	Chromium	mg/kg	3.55E+01	3.86E-05		3.45E-06	
15	10	Surface	Mercury	mg/kg	7.84E+00	8.52E-06		7.63E-07	
15	10	Surface	Nickel	mg/kg	2.26E+02	2.46E-04		2.20E-05	
15	10	Surface	Uranium	mg/kg	9.02E+01	9.79E-05		8.77E-06	
15	10	Surface	PAH, Total	mg/kg	1.28E-01	1.40E-07	1.31E-07	1.25E-08	
15	2	Surface	Antimony	mg/kg	9.83E+01	1.07E-04		9.57E-06	
15	2	Surface	Arsenic	mg/kg	1.63E+01	1.77E-05	3.83E-06	1.58E-06	
15	2	Surface	Chromium	mg/kg	5.90E+01	6.41E-05		5.74E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.14. Cancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	2	Surface	Iron	mg/kg	3.89E+04	4.22E-02		3.78E-03	
15	2	Surface	Mercury	mg/kg	9.33E+00	1.01E-05		9.08E-07	
15	2	Surface	Nickel	mg/kg	1.97E+02	2.14E-04		1.92E-05	
15	2	Surface	Uranium	mg/kg	1.32E+02	1.43E-04		1.28E-05	
15	2	Surface	PAH, Total	mg/kg	2.11E+00	2.29E-06	2.15E-06	2.05E-07	
15	2	Surface	PCB, Total	mg/kg	3.30E-01	3.58E-07	3.63E-07	3.21E-08	
15	2	Surface	Uranium-234	pCi/g	6.51E+00	1.45E+04		3.88E-01	2.20E+01
15	2	Surface	Uranium-235	pCi/g	3.80E-01	8.44E+02		2.27E-02	1.28E+00
15	2	Surface	Uranium-238	pCi/g	1.21E+01	2.69E+04		7.22E-01	4.09E+01
15	3	Surface	Antimony	mg/kg	7.10E+01	7.71E-05		6.91E-06	
15	3	Surface	Arsenic	mg/kg	2.74E+01	2.97E-05	6.45E-06	2.67E-06	
15	3	Surface	Cadmium	mg/kg	1.25E+01	1.36E-05	9.82E-08	1.22E-06	
15	3	Surface	Chromium	mg/kg	7.53E+01	8.18E-05		7.33E-06	
15	3	Surface	Cobalt	mg/kg	3.41E+01	3.70E-05		3.32E-06	
15	3	Surface	Copper	mg/kg	1.60E+03	1.74E-03		1.56E-04	
15	3	Surface	Iron	mg/kg	9.20E+04	9.99E-02		8.95E-03	
15	3	Surface	Manganese	mg/kg	1.60E+03	1.74E-03		1.56E-04	
15	3	Surface	Mercury	mg/kg	1.05E+01	1.14E-05		1.02E-06	
15	3	Surface	Nickel	mg/kg	8.38E+02	9.10E-04		8.15E-05	
15	3	Surface	Thallium	mg/kg	2.60E-01	2.82E-07		2.53E-08	
15	3	Surface	Uranium	mg/kg	2.16E+02	2.35E-04		2.10E-05	
15	3	Surface	Vanadium	mg/kg	7.31E+01	7.94E-05		7.11E-06	
15	3	Surface	PAH, Total	mg/kg	1.45E+00	1.58E-06	1.48E-06	1.42E-07	
15	3	Surface	PCB, Total	mg/kg	6.82E+00	7.41E-06	7.50E-06	6.64E-07	
15	3	Surface	Neptunium-237	pCi/g	3.24E+00	7.18E+03		1.93E-01	1.09E+01
15	3	Surface	Technetium-99	pCi/g	2.90E+02	6.44E+05		1.73E+01	9.80E+02
15	3	Surface	Thorium-230	pCi/g	5.14E+00	1.14E+04		3.07E-01	1.74E+01
15	3	Surface	Uranium-234	pCi/g	1.40E+02	3.11E+05		8.36E+00	4.73E+02
15	3	Surface	Uranium-235	pCi/g	1.49E+01	3.31E+04		8.89E-01	5.03E+01
15	3	Surface	Uranium-238	pCi/g	8.68E+02	1.93E+06		5.18E+01	2.93E+03
15	4	Surface	Antimony	mg/kg	7.63E+01	8.29E-05		7.43E-06	
15	4	Surface	Arsenic	mg/kg	3.37E+01	3.66E-05	7.93E-06	3.28E-06	
15	4	Surface	Cadmium	mg/kg	1.86E+01	2.02E-05	1.46E-07	1.81E-06	
15	4	Surface	Chromium	mg/kg	9.02E+01	9.80E-05		8.78E-06	
15	4	Surface	Copper	mg/kg	5.99E+02	6.51E-04		5.83E-05	
15	4	Surface	Iron	mg/kg	6.90E+04	7.49E-02		6.71E-03	
15	4	Surface	Manganese	mg/kg	1.29E+03	1.40E-03		1.25E-04	
15	4	Surface	Mercury	mg/kg	3.04E+01	3.30E-05		2.95E-06	
15	4	Surface	Nickel	mg/kg	1.24E+03	1.35E-03		1.21E-04	
15	4	Surface	Thallium	mg/kg	1.85E-01	2.01E-07		1.80E-08	
15	4	Surface	Uranium	mg/kg	1.29E+02	1.40E-04		1.26E-05	
15	4	Surface	Vanadium	mg/kg	8.43E+01	9.16E-05		8.21E-06	
15	4	Surface	PAH, Total	mg/kg	1.75E+00	1.90E-06	1.79E-06	1.70E-07	
15	4	Surface	PCB, Total	mg/kg	3.13E+01	3.40E-05	3.44E-05	3.05E-06	
15	4	Surface	Neptunium-237	pCi/g	6.60E-01	1.47E+03		3.94E-02	2.23E+00

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.14. Cancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	4	Surface	Uranium-234	pCi/g	7.93E+00	1.76E+04		4.73E-01	2.68E+01
15	4	Surface	Uranium-235	pCi/g	3.64E-01	8.08E+02		2.17E-02	1.23E+00
15	4	Surface	Uranium-238	pCi/g	1.35E+01	3.00E+04		8.07E-01	4.57E+01
15	5	Surface	Antimony	mg/kg	1.01E+02	1.10E-04		9.85E-06	
15	5	Surface	Arsenic	mg/kg	1.28E+01	1.39E-05	3.01E-06	1.24E-06	
15	5	Surface	Cadmium	mg/kg	1.46E+01	1.58E-05	1.14E-07	1.42E-06	
15	5	Surface	Chromium	mg/kg	8.43E+01	9.16E-05		8.21E-06	
15	5	Surface	Copper	mg/kg	5.63E+03	6.12E-03		5.48E-04	
15	5	Surface	Nickel	mg/kg	3.53E+02	3.83E-04		3.43E-05	
15	5	Surface	Uranium	mg/kg	1.76E+02	1.91E-04		1.71E-05	
15	5	Surface	Zinc	mg/kg	1.52E+03	1.66E-03		1.48E-04	
15	5	Surface	PAH, Total	mg/kg	5.11E-01	5.55E-07	5.21E-07	4.97E-08	
15	5	Surface	PCB, Total	mg/kg	2.51E+01	2.73E-05	2.76E-05	2.45E-06	
15	5	Surface	Neptunium-237	pCi/g	6.90E-01	1.53E+03		4.12E-02	2.33E+00
15	5	Surface	Uranium-235	pCi/g	4.60E-01	1.02E+03		2.75E-02	1.55E+00
15	5	Surface	Uranium-238	pCi/g	1.03E+01	2.29E+04		6.15E-01	3.48E+01
15	6	Surface	Antimony	mg/kg	8.85E+01	9.61E-05		8.61E-06	
15	6	Surface	Arsenic	mg/kg	1.24E+01	1.35E-05	2.93E-06	1.21E-06	
15	6	Surface	Cadmium	mg/kg	1.64E+01	1.78E-05	1.28E-07	1.59E-06	
15	6	Surface	Chromium	mg/kg	8.25E+01	8.96E-05		8.03E-06	
15	6	Surface	Cobalt	mg/kg	1.62E+01	1.76E-05		1.58E-06	
15	6	Surface	Copper	mg/kg	4.23E+02	4.59E-04		4.12E-05	
15	6	Surface	Iron	mg/kg	3.29E+04	3.57E-02		3.20E-03	
15	6	Surface	Nickel	mg/kg	3.00E+02	3.26E-04		2.92E-05	
15	6	Surface	Uranium	mg/kg	6.30E+01	6.84E-05		6.13E-06	
15	6	Surface	PAH, Total	mg/kg	1.62E+00	1.76E-06	1.66E-06	1.58E-07	
15	6	Surface	PCB, Total	mg/kg	6.17E+00	6.70E-06	6.78E-06	6.00E-07	
15	6	Surface	Neptunium-237	pCi/g	6.40E-01	1.42E+03		3.82E-02	2.16E+00
15	6	Surface	Uranium-234	pCi/g	8.74E+00	1.94E+04		5.22E-01	2.95E+01
15	6	Surface	Uranium-235	pCi/g	5.70E-01	1.27E+03		3.40E-02	1.93E+00
15	6	Surface	Uranium-238	pCi/g	1.54E+01	3.42E+04		9.19E-01	5.20E+01
15	7	Surface	Antimony	mg/kg	1.37E+02	1.49E-04		1.34E-05	
15	7	Surface	Arsenic	mg/kg	1.61E+01	1.75E-05	3.79E-06	1.56E-06	
15	7	Surface	Cadmium	mg/kg	1.80E+01	1.95E-05	1.41E-07	1.75E-06	
15	7	Surface	Chromium	mg/kg	7.97E+01	8.65E-05		7.75E-06	
15	7	Surface	Copper	mg/kg	8.29E+02	9.00E-04		8.07E-05	
15	7	Surface	Iron	mg/kg	3.42E+04	3.72E-02		3.33E-03	
15	7	Surface	Manganese	mg/kg	1.18E+03	1.28E-03		1.15E-04	
15	7	Surface	Nickel	mg/kg	5.59E+02	6.07E-04		5.44E-05	
15	7	Surface	Thallium	mg/kg	3.00E-01	3.26E-07		2.92E-08	
15	7	Surface	Uranium	mg/kg	5.39E+01	5.85E-05		5.24E-06	
15	7	Surface	PAH, Total	mg/kg	1.59E-01	1.73E-07	1.62E-07	1.55E-08	
15	7	Surface	PCB, Total	mg/kg	2.57E+01	2.79E-05	2.82E-05	2.50E-06	
15	7	Surface	Uranium-234	pCi/g	6.49E+00	1.44E+04		3.87E-01	2.19E+01
15	7	Surface	Uranium-235	pCi/g	4.50E-01	9.99E+02		2.69E-02	1.52E+00

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.14. Cancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	7	Surface	Uranium-238	pCi/g	8.05E+00	1.79E+04		4.80E-01	2.72E+01
15	8	Surface	Antimony	mg/kg	7.42E+01	8.06E-05		7.22E-06	
15	8	Surface	Arsenic	mg/kg	1.17E+01	1.27E-05	2.74E-06	1.13E-06	
15	8	Surface	Cadmium	mg/kg	1.68E+01	1.83E-05	1.32E-07	1.64E-06	
15	8	Surface	Chromium	mg/kg	7.74E+01	8.41E-05		7.53E-06	
15	8	Surface	Iron	mg/kg	2.83E+04	3.07E-02		2.75E-03	
15	8	Surface	Mercury	mg/kg	1.01E+01	1.09E-05		9.80E-07	
15	8	Surface	Nickel	mg/kg	1.82E+02	1.97E-04		1.77E-05	
15	8	Surface	Uranium	mg/kg	4.46E+01	4.84E-05		4.34E-06	
15	8	Surface	PAH, Total	mg/kg	3.59E-01	3.90E-07	3.66E-07	3.49E-08	
15	8	Surface	PCB, Total	mg/kg	5.01E+00	5.44E-06	5.50E-06	4.87E-07	
15	8	Surface	Neptunium-237	pCi/g	3.65E-01	8.10E+02		2.18E-02	1.23E+00
15	8	Surface	Uranium-238	pCi/g	6.64E+00	1.47E+04		3.96E-01	2.24E+01
15	9	Surface	Antimony	mg/kg	1.12E+02	1.21E-04		1.09E-05	
15	9	Surface	Arsenic	mg/kg	1.10E+01	1.20E-05	2.60E-06	1.07E-06	
15	9	Surface	Cadmium	mg/kg	1.81E+01	1.97E-05	1.42E-07	1.76E-06	
15	9	Surface	Chromium	mg/kg	9.56E+01	1.04E-04		9.30E-06	
15	9	Surface	Iron	mg/kg	2.76E+04	3.00E-02		2.69E-03	
15	9	Surface	Nickel	mg/kg	1.49E+02	1.62E-04		1.45E-05	
15	9	Surface	Uranium	mg/kg	3.07E+01	3.33E-05		2.98E-06	
15	9	Surface	Vanadium	mg/kg	7.33E+01	7.96E-05		7.13E-06	
15	9	Surface	PAH, Total	mg/kg	2.38E-01	2.59E-07	2.43E-07	2.32E-08	
15	9	Surface	PCB, Total	mg/kg	6.31E+00	6.85E-06	6.93E-06	6.14E-07	
15	9	Surface	Uranium-238	pCi/g	7.12E+00	1.58E+04		4.25E-01	2.41E+01
204	1	Surface	Aluminum	mg/kg	1.18E+04	1.28E-02		1.15E-03	
204	1	Surface	Chromium	mg/kg	1.42E+01	1.54E-05		1.38E-06	
204	1	Surface	Vanadium	mg/kg	1.20E+02	1.30E-04		1.17E-05	
204	1	Surface	PAH, Total	mg/kg	4.93E-01	5.35E-07	5.03E-07	4.80E-08	
204	1	Surface	Uranium-238	pCi/g	1.27E+00	2.83E+03		7.60E-02	4.30E+00
204	10	Surface	Antimony	mg/kg	1.20E+01	1.30E-05		1.17E-06	
204	10	Surface	Iron	mg/kg	3.08E+04	3.35E-02		3.00E-03	
204	10	Surface	Vanadium	mg/kg	1.19E+02	1.29E-04		1.16E-05	
204	10	Surface	PAH, Total	mg/kg	6.42E-02	6.97E-08	6.55E-08	6.25E-09	
204	10	Surface	Uranium-238	pCi/g	3.15E+00	6.99E+03		1.88E-01	1.06E+01
204	11	Surface	Iron	mg/kg	3.05E+04	3.31E-02		2.97E-03	
204	11	Surface	Vanadium	mg/kg	1.43E+02	1.55E-04		1.39E-05	
204	11	Surface	PAH, Total	mg/kg	8.95E-02	9.72E-08	9.14E-08	8.71E-09	
204	11	Surface	Uranium-238	pCi/g	3.09E+00	6.86E+03		1.84E-01	1.04E+01
204	12	Surface	Iron	mg/kg	2.86E+04	3.11E-02		2.78E-03	
204	12	Surface	Thallium	mg/kg	2.10E-01	2.28E-07		2.04E-08	
204	12	Surface	Vanadium	mg/kg	1.44E+02	1.56E-04		1.40E-05	
204	12	Surface	PAH, Total	mg/kg	6.43E-02	6.98E-08	6.56E-08	6.26E-09	
204	12	Surface	Uranium-238	pCi/g	3.26E+00	7.24E+03		1.95E-01	1.10E+01
204	13	Surface	Chromium	mg/kg	1.70E+01	1.85E-05		1.65E-06	
204	13	Surface	Vanadium	mg/kg	1.45E+02	1.57E-04		1.41E-05	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.14. Cancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
204	13	Surface	PAH, Total	mg/kg	5.05E-01	5.48E-07	5.15E-07	4.91E-08	
204	13	Surface	Uranium-238	pCi/g	2.98E+00	6.62E+03		1.78E-01	1.01E+01
204	14	Surface	Arsenic	mg/kg	1.36E+02	1.48E-04	3.20E-05	1.32E-05	
204	14	Surface	Chromium	mg/kg	1.70E+01	1.85E-05		1.65E-06	
204	14	Surface	Iron	mg/kg	3.17E+04	3.44E-02		3.09E-03	
204	14	Surface	Uranium	mg/kg	1.34E+02	1.46E-04		1.30E-05	
204	14	Surface	Vanadium	mg/kg	1.43E+02	1.55E-04		1.39E-05	
204	14	Surface	PAH, Total	mg/kg	1.28E-01	1.39E-07	1.30E-07	1.24E-08	
204	14	Surface	Uranium-238	pCi/g	4.25E+00	9.43E+03		2.54E-01	1.44E+01
204	15	Surface	Iron	mg/kg	2.90E+04	3.15E-02		2.83E-03	
204	15	Surface	Vanadium	mg/kg	1.13E+02	1.23E-04		1.10E-05	
204	15	Surface	PAH, Total	mg/kg	1.25E-02	1.35E-08	1.27E-08	1.21E-09	
204	15	Surface	Cesium-137	pCi/g	6.30E-01	1.06E+03		2.86E-02	1.62E+00
204	15	Surface	Uranium-238	pCi/g	5.37E+00	1.19E+04		3.20E-01	1.81E+01
204	16	Surface	Iron	mg/kg	2.89E+04	3.14E-02		2.82E-03	
204	16	Surface	Vanadium	mg/kg	1.22E+02	1.33E-04		1.19E-05	
204	16	Surface	PAH, Total	mg/kg	1.45E-02	1.57E-08	1.48E-08	1.41E-09	
204	17	Surface	Iron	mg/kg	2.98E+04	3.24E-02		2.90E-03	
204	17	Surface	Vanadium	mg/kg	1.22E+02	1.33E-04		1.19E-05	
204	17	Surface	PAH, Total	mg/kg	5.99E-02	6.51E-08	6.11E-08	5.83E-09	
204	17	Surface	Uranium-238	pCi/g	2.50E+00	5.55E+03		1.49E-01	8.45E+00
204	18	Surface	Iron	mg/kg	3.35E+04	3.64E-02		3.26E-03	
204	18	Surface	Uranium	mg/kg	1.09E+02	1.18E-04		1.06E-05	
204	18	Surface	Vanadium	mg/kg	1.51E+02	1.64E-04		1.47E-05	
204	18	Surface	PAH, Total	mg/kg	7.04E-03	7.65E-09	7.19E-09	6.85E-10	
204	18	Surface	Uranium-238	pCi/g	1.81E+00	4.02E+03		1.08E-01	6.12E+00
204	19	Surface	Silver	mg/kg	5.50E+01	5.97E-05		5.35E-06	
204	19	Surface	Uranium	mg/kg	8.50E+01	9.23E-05		8.27E-06	
204	19	Surface	Vanadium	mg/kg	1.06E+02	1.15E-04		1.03E-05	
204	19	Surface	PAH, Total	mg/kg	1.30E-01	1.41E-07	1.32E-07	1.26E-08	
204	19	Surface	Uranium-238	pCi/g	2.65E+00	5.88E+03		1.58E-01	8.95E+00
204	2	Surface	Arsenic	mg/kg	4.59E+01	4.99E-05	1.08E-05	4.47E-06	
204	2	Surface	Chromium	mg/kg	1.84E+01	2.00E-05		1.79E-06	
204	2	Surface	Vanadium	mg/kg	1.20E+02	1.31E-04		1.17E-05	
204	2	Surface	PAH, Total	mg/kg	6.20E-02	6.73E-08	6.33E-08	6.03E-09	
204	2	Surface	Uranium-238	pCi/g	3.92E+00	8.70E+03		2.34E-01	1.32E+01
204	20	Surface	Chromium	mg/kg	1.75E+02	1.90E-04		1.70E-05	
204	20	Surface	Uranium	mg/kg	1.31E+04	1.42E-02		1.27E-03	
204	20	Surface	Vanadium	mg/kg	1.14E+02	1.24E-04		1.11E-05	
204	20	Surface	PCB, Total	mg/kg	7.90E+01	8.58E-05	8.68E-05	7.69E-06	
204	20	Surface	Americium-241	pCi/g	3.71E+00	8.07E+03		2.17E-01	1.23E+01
204	20	Surface	Cesium-137	pCi/g	1.17E+00	1.98E+03		5.32E-02	3.01E+00
204	20	Surface	Protactinium-231	pCi/g	3.65E+01	8.09E+04		2.18E+00	1.23E+02
204	20	Surface	Uranium-234	pCi/g	4.45E+02	9.88E+05		2.66E+01	1.50E+03
204	20	Surface	Uranium-235	pCi/g	5.70E+01	1.27E+05		3.40E+00	1.93E+02

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.14. Cancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
204	20	Surface	Uranium-238	pCi/g	4.39E+03	9.74E+06		2.62E+02	1.48E+04
204	21	Surface	Cobalt	mg/kg	1.80E+01	1.95E-05		1.75E-06	
204	21	Surface	Vanadium	mg/kg	1.19E+02	1.29E-04		1.16E-05	
204	3	Surface	Chromium	mg/kg	1.80E+01	1.95E-05		1.75E-06	
204	3	Surface	Silver	mg/kg	5.40E+01	5.86E-05		5.26E-06	
204	3	Surface	Vanadium	mg/kg	1.22E+02	1.33E-04		1.19E-05	
204	3	Surface	PAH, Total	mg/kg	3.52E-02	3.82E-08	3.59E-08	3.43E-09	
204	3	Surface	Uranium-238	pCi/g	2.31E+00	5.13E+03		1.38E-01	7.81E+00
204	4	Surface	Iron	mg/kg	2.92E+04	3.17E-02		2.84E-03	
204	4	Surface	Molybdenum	mg/kg	4.10E+01	4.45E-05		3.99E-06	
204	4	Surface	Silver	mg/kg	5.90E+01	6.41E-05		5.74E-06	
204	4	Surface	Vanadium	mg/kg	1.39E+02	1.51E-04		1.35E-05	
204	4	Surface	PAH, Total	mg/kg	2.33E-02	2.53E-08	2.38E-08	2.27E-09	
204	4	Surface	Uranium-238	pCi/g	1.82E+00	4.04E+03		1.09E-01	6.15E+00
204	5	Surface	Arsenic	mg/kg	5.67E+01	6.16E-05	1.34E-05	5.52E-06	
204	5	Surface	Chromium	mg/kg	1.61E+01	1.75E-05		1.56E-06	
204	5	Surface	Vanadium	mg/kg	1.21E+02	1.32E-04		1.18E-05	
204	5	Surface	PAH, Total	mg/kg	2.04E-02	2.22E-08	2.08E-08	1.99E-09	
204	5	Surface	Uranium-238	pCi/g	5.65E+00	1.25E+04		3.37E-01	1.91E+01
204	6	Surface	Vanadium	mg/kg	1.25E+02	1.36E-04		1.22E-05	
204	6	Surface	PAH, Total	mg/kg	3.25E-02	3.53E-08	3.32E-08	3.16E-09	
204	6	Surface	Uranium-238	pCi/g	3.63E+00	8.06E+03		2.17E-01	1.23E+01
204	7	Surface	Iron	mg/kg	2.95E+04	3.20E-02		2.87E-03	
204	7	Surface	Manganese	mg/kg	1.94E+03	2.11E-03		1.89E-04	
204	7	Surface	Vanadium	mg/kg	1.27E+02	1.38E-04		1.24E-05	
204	7	Surface	PAH, Total	mg/kg	9.68E-03	1.05E-08	9.88E-09	9.42E-10	
204	7	Surface	Uranium-238	pCi/g	2.04E+00	4.53E+03		1.22E-01	6.89E+00
204	8	Surface	Chromium	mg/kg	1.70E+01	1.85E-05		1.65E-06	
204	8	Surface	Cobalt	mg/kg	1.40E+01	1.52E-05		1.36E-06	
204	8	Surface	Iron	mg/kg	2.94E+04	3.19E-02		2.86E-03	
204	8	Surface	Vanadium	mg/kg	1.32E+02	1.43E-04		1.28E-05	
204	8	Surface	PAH, Total	mg/kg	7.37E-02	8.00E-08	7.52E-08	7.17E-09	
204	8	Surface	Uranium-238	pCi/g	2.01E+00	4.46E+03		1.20E-01	6.79E+00
204	9	Surface	Chromium	mg/kg	1.80E+01	1.95E-05		1.75E-06	
204	9	Surface	Iron	mg/kg	2.96E+04	3.22E-02		2.88E-03	
204	9	Surface	Vanadium	mg/kg	1.37E+02	1.49E-04		1.33E-05	
204	9	Surface	PAH, Total	mg/kg	5.01E+00	5.44E-06	5.11E-06	4.88E-07	
204	9	Surface	Uranium-238	pCi/g	2.22E+00	4.93E+03		1.32E-01	7.50E+00
211	1	Surface	Antimony	mg/kg	6.52E+01	7.08E-05		6.35E-06	
211	1	Surface	Chromium	mg/kg	4.48E+01	4.86E-05		4.36E-06	
211	1	Surface	Iron	mg/kg	3.05E+04	3.31E-02		2.96E-03	
211	1	Surface	Thallium	mg/kg	3.30E-01	3.58E-07		3.21E-08	
211	1	Surface	Vanadium	mg/kg	1.01E+02	1.10E-04		9.83E-06	
211	1	Surface	PAH, Total	mg/kg	1.04E-01	1.13E-07	1.06E-07	1.01E-08	
211	1	Surface	PCB, Total	mg/kg	3.60E-01	3.91E-07	3.96E-07	3.50E-08	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.14. Cancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
211	1	Surface	Cesium-137	pCi/g	1.67E+00	2.82E+03		7.58E-02	4.29E+00
211	1	Surface	Neptunium-237	pCi/g	5.93E+00	1.32E+04		3.54E-01	2.00E+01
211	1	Surface	Uranium-234	pCi/g	6.69E+01	1.49E+05		3.99E+00	2.26E+02
211	1	Surface	Uranium-238	pCi/g	1.19E+02	2.64E+05		7.10E+00	4.02E+02
224	1	Surface	Antimony	mg/kg	1.08E+02	1.17E-04		1.05E-05	
224	1	Surface	Uranium	mg/kg	4.15E+01	4.51E-05		4.04E-06	
224	1	Surface	PAH, Total	mg/kg	5.95E-01	6.47E-07	6.08E-07	5.80E-08	
224	1	Surface	Uranium-238	pCi/g	1.39E+01	3.09E+04		8.30E-01	4.70E+01
225	1	Surface	Antimony	mg/kg	5.41E+01	5.88E-05		5.27E-06	
225	1	Surface	Chromium	mg/kg	2.55E+01	2.77E-05		2.48E-06	
225	1	Surface	Thallium	mg/kg	2.80E-01	3.04E-07		2.72E-08	
225	1	Surface	Vanadium	mg/kg	1.09E+02	1.18E-04		1.06E-05	
225	1	Surface	PAH, Total	mg/kg	7.79E-02	8.46E-08	7.95E-08	7.58E-09	
225	1	Surface	Uranium-238	pCi/g	2.04E+00	4.53E+03		1.22E-01	6.89E+00
26	1	Surface	Chromium	mg/kg	1.67E+01	1.82E-05		1.63E-06	
26	1	Surface	Iron	mg/kg	2.88E+04	3.13E-02		2.80E-03	
26	1	Surface	Uranium	mg/kg	6.28E+02	6.82E-04		6.11E-05	
26	1	Surface	Vanadium	mg/kg	1.61E+02	1.75E-04		1.57E-05	
26	1	Surface	PAH, Total	mg/kg	1.97E-01	2.14E-07	2.01E-07	1.92E-08	
26	1	Surface	PCB, Total	mg/kg	9.40E+00	1.02E-05	1.03E-05	9.15E-07	
26	1	Surface	Uranium-234	pCi/g	7.78E+00	1.73E+04		4.64E-01	2.63E+01
26	1	Surface	Uranium-235	pCi/g	1.23E+00	2.73E+03		7.35E-02	4.16E+00
26	1	Surface	Uranium-238	pCi/g	6.75E+01	1.50E+05		4.03E+00	2.28E+02
26	2	Surface	Aluminum	mg/kg	2.61E+04	2.83E-02		2.54E-03	
26	2	Surface	Arsenic	mg/kg	4.23E+01	4.59E-05	9.96E-06	4.11E-06	
26	2	Surface	Beryllium	mg/kg	1.13E+01	1.22E-05		1.09E-06	
26	2	Surface	Chromium	mg/kg	4.12E+01	4.48E-05		4.01E-06	
26	2	Surface	Cobalt	mg/kg	6.59E+01	7.16E-05		6.41E-06	
26	2	Surface	Iron	mg/kg	5.20E+04	5.64E-02		5.06E-03	
26	2	Surface	Nickel	mg/kg	1.03E+02	1.12E-04		9.99E-06	
26	2	Surface	Thallium	mg/kg	2.38E+01	2.58E-05		2.31E-06	
26	2	Surface	Uranium	mg/kg	7.18E+02	7.80E-04		6.99E-05	
26	2	Surface	Vanadium	mg/kg	1.16E+02	1.26E-04		1.13E-05	
26	2	Surface	PCB, Total	mg/kg	3.25E+00	3.53E-06	3.57E-06	3.16E-07	
26	2	Surface	Cesium-137	pCi/g	9.52E+00	1.61E+04		4.32E-01	2.45E+01
26	2	Surface	Neptunium-237	pCi/g	2.15E-01	4.77E+02		1.28E-02	7.26E-01
26	2	Surface	Radium-228	pCi/g	1.69E+00	1.18E+03		3.17E-02	1.80E+00
26	2	Surface	Thorium-230	pCi/g	3.59E+00	7.98E+03		2.14E-01	1.21E+01
26	2	Surface	Uranium-234	pCi/g	1.98E+01	4.39E+04		1.18E+00	6.68E+01
26	2	Surface	Uranium-235	pCi/g	2.36E+00	5.24E+03		1.41E-01	7.97E+00
26	2	Surface	Uranium-238	pCi/g	5.01E+01	1.11E+05		2.99E+00	1.69E+02
26	3	Surface	Arsenic	mg/kg	7.56E+01	8.21E-05	1.78E-05	7.36E-06	
26	3	Surface	Chromium	mg/kg	4.56E+01	4.95E-05		4.43E-06	
26	3	Surface	Iron	mg/kg	3.46E+04	3.76E-02		3.37E-03	
26	3	Surface	Molybdenum	mg/kg	4.07E+01	4.42E-05		3.96E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.14. Cancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
26	3	Surface	Thallium	mg/kg	3.68E+00	4.00E-06		3.58E-07	
26	3	Surface	Uranium	mg/kg	2.05E+02	2.22E-04		1.99E-05	
26	3	Surface	Vanadium	mg/kg	1.44E+02	1.56E-04		1.40E-05	
26	3	Surface	PAH, Total	mg/kg	3.30E-01	3.58E-07	3.37E-07	3.21E-08	
26	3	Surface	PCB, Total	mg/kg	8.91E+00	9.68E-06	9.79E-06	8.67E-07	
26	3	Surface	Cesium-137	pCi/g	4.51E+00	7.62E+03		2.05E-01	1.16E+01
26	3	Surface	Neptunium-237	pCi/g	3.70E-01	8.21E+02		2.21E-02	1.25E+00
26	3	Surface	Uranium-234	pCi/g	5.02E+00	1.11E+04		2.99E-01	1.70E+01
26	3	Surface	Uranium-235	pCi/g	3.15E-01	6.99E+02		1.88E-02	1.06E+00
26	3	Surface	Uranium-238	pCi/g	7.00E+00	1.55E+04		4.18E-01	2.36E+01
26	4	Surface	Aluminum	mg/kg	1.11E+04	1.21E-02		1.08E-03	
26	4	Surface	Arsenic	mg/kg	6.01E+01	6.53E-05	1.42E-05	5.85E-06	
26	4	Surface	Chromium	mg/kg	1.14E+02	1.24E-04		1.11E-05	
26	4	Surface	Iron	mg/kg	2.81E+04	3.06E-02		2.74E-03	
26	4	Surface	Mercury	mg/kg	7.33E+01	7.96E-05		7.13E-06	
26	4	Surface	Molybdenum	mg/kg	3.49E+01	3.79E-05		3.40E-06	
26	4	Surface	Nickel	mg/kg	8.10E+01	8.80E-05		7.88E-06	
26	4	Surface	Uranium	mg/kg	1.47E+03	1.60E-03		1.43E-04	
26	4	Surface	Vanadium	mg/kg	1.42E+02	1.54E-04		1.38E-05	
26	4	Surface	PAH, Total	mg/kg	5.53E+00	6.00E-06	5.64E-06	5.38E-07	
26	4	Surface	PCB, Total	mg/kg	7.95E+00	8.64E-06	8.74E-06	7.74E-07	
26	4	Surface	Cesium-137	pCi/g	1.02E+00	1.73E+03		4.64E-02	2.63E+00
26	4	Surface	Neptunium-237	pCi/g	2.80E+00	6.20E+03		1.67E-01	9.44E+00
26	4	Surface	Plutonium-239/240	pCi/g	1.35E+01	3.00E+04		8.06E-01	4.56E+01
26	4	Surface	Technetium-99	pCi/g	8.36E+02	1.86E+06		4.99E+01	2.82E+03
26	4	Surface	Thorium-230	pCi/g	5.48E+01	1.22E+05		3.27E+00	1.85E+02
26	4	Surface	Uranium-234	pCi/g	2.15E+02	4.78E+05		1.29E+01	7.28E+02
26	4	Surface	Uranium-235	pCi/g	1.52E+01	3.36E+04		9.04E-01	5.12E+01
26	4	Surface	Uranium-238	pCi/g	8.49E+02	1.89E+06		5.07E+01	2.87E+03
77	1	Surface	Chromium	mg/kg	8.30E+01	9.01E-05		8.08E-06	
77	1	Surface	Iron	mg/kg	5.03E+04	5.47E-02		4.90E-03	
77	1	Surface	Uranium	mg/kg	6.66E+02	7.23E-04		6.48E-05	
77	1	Surface	Vanadium	mg/kg	1.68E+02	1.82E-04		1.63E-05	
77	1	Surface	PAH, Total	mg/kg	7.02E-02	7.62E-08	7.17E-08	6.83E-09	
77	1	Surface	PCB, Total	mg/kg	5.00E+00	5.43E-06	5.50E-06	4.87E-07	
77	1	Surface	Thorium-230	pCi/g	1.03E+01	2.29E+04		6.15E-01	3.48E+01
77	1	Surface	Uranium-238	pCi/g	1.53E+01	3.40E+04		9.13E-01	5.17E+01
80	1	Surface	Uranium	mg/kg	9.80E+01	1.06E-04		9.54E-06	
80	1	Surface	Dioxins/Furans, Total	mg/kg	8.82E-05	9.58E-11	2.08E-11	8.59E-12	
80	1	Surface	PCB, Total	mg/kg	1.20E+02	1.30E-04	1.32E-04	1.17E-05	
80	2	Surface	Antimony	mg/kg	5.82E+01	6.32E-05		5.66E-06	
80	2	Surface	Chromium	mg/kg	1.65E+02	1.79E-04		1.61E-05	
80	2	Surface	Cobalt	mg/kg	1.90E+01	2.06E-05		1.85E-06	
80	2	Surface	Iron	mg/kg	3.52E+04	3.82E-02		3.42E-03	
80	2	Surface	Uranium	mg/kg	5.72E+03	6.22E-03		5.57E-04	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.14. Cancerous CDIs for the Outdoor Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
80	2	Surface	Vanadium	mg/kg	1.29E+02	1.40E-04		1.26E-05	
80	2	Surface	PAH, Total	mg/kg	7.21E-01	7.84E-07	7.36E-07	7.02E-08	
80	2	Surface	PCB, Total	mg/kg	1.26E+01	1.37E-05	1.39E-05	1.23E-06	
80	2	Surface	Americium-241	pCi/g	6.40E+00	1.39E+04		3.74E-01	2.12E+01
80	2	Surface	Cesium-137	pCi/g	8.40E-01	1.42E+03		3.81E-02	2.16E+00
80	2	Surface	Neptunium-237	pCi/g	5.05E-01	1.12E+03		3.01E-02	1.71E+00
80	2	Surface	Uranium-234	pCi/g	2.29E+02	5.08E+05		1.37E+01	7.74E+02
80	2	Surface	Uranium-235	pCi/g	3.00E+01	6.66E+04		1.79E+00	1.01E+02
80	2	Surface	Uranium-238	pCi/g	1.92E+03	4.26E+06		1.15E+02	6.49E+03
80	3	Surface	Chromium	mg/kg	1.81E+01	1.97E-05		1.77E-06	
80	3	Surface	Iron	mg/kg	3.05E+04	3.31E-02		2.97E-03	
80	3	Surface	Manganese	mg/kg	9.46E+02	1.03E-03		9.20E-05	
80	3	Surface	Molybdenum	mg/kg	2.33E+01	2.53E-05		2.27E-06	
80	3	Surface	Uranium	mg/kg	7.32E+01	7.95E-05		7.12E-06	
80	3	Surface	Vanadium	mg/kg	1.21E+02	1.31E-04		1.17E-05	
80	3	Surface	PCB, Total	mg/kg	5.66E+02	6.15E-04	6.22E-04	5.51E-05	
80	3	Surface	Uranium-238	pCi/g	1.59E+00	3.53E+03		9.49E-02	5.37E+00

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.15. Noncancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	1	Subsurface	Manganese	mg/kg	6.06E+02	1.84E-03		1.65E-07
13	1	Subsurface	Vanadium	mg/kg	9.23E+01	2.81E-04		2.52E-08
13	1	Subsurface	PCB, Total	mg/kg	9.42E+00	2.86E-05	2.90E-05	2.57E-09
13	1	Subsurface	Uranium-238	pCi/g	1.20E+00	3.66E-06		3.28E-10
13	10	Subsurface	Iron	mg/kg	3.80E+04	1.16E-01		1.04E-05
13	10	Subsurface	Manganese	mg/kg	3.09E+03	9.39E-03		8.41E-07
13	10	Subsurface	Silver	mg/kg	5.40E+01	1.64E-04		1.47E-08
13	10	Subsurface	Vanadium	mg/kg	1.30E+02	3.95E-04		3.54E-08
13	11	Subsurface	Manganese	mg/kg	7.58E+02	2.30E-03		2.06E-07
13	11	Subsurface	Silver	mg/kg	1.03E+02	3.13E-04		2.80E-08
13	11	Subsurface	Vanadium	mg/kg	1.14E+02	3.45E-04		3.09E-08
13	11	Subsurface	PCB, Total	mg/kg	1.03E+01	3.14E-05	3.18E-05	2.82E-09
13	12	Subsurface	Iron	mg/kg	2.30E+04	7.00E-02		6.27E-06
13	12	Subsurface	Manganese	mg/kg	1.35E+03	4.11E-03		3.69E-07
13	12	Subsurface	Silver	mg/kg	1.49E+02	4.53E-04		4.06E-08
13	12	Subsurface	Vanadium	mg/kg	1.16E+02	3.53E-04		3.17E-08
13	12	Subsurface	PCB, Total	mg/kg	1.03E+01	3.13E-05	3.17E-05	2.81E-09
13	13	Subsurface	Iron	mg/kg	2.89E+04	8.80E-02		7.89E-06
13	13	Subsurface	Manganese	mg/kg	1.13E+03	3.43E-03		3.07E-07
13	13	Subsurface	Molybdenum	mg/kg	2.72E+01	8.27E-05		7.41E-09
13	13	Subsurface	Vanadium	mg/kg	1.19E+02	3.60E-04		3.23E-08
13	14	Subsurface	Manganese	mg/kg	5.56E+02	1.69E-03		1.51E-07
13	14	Subsurface	Vanadium	mg/kg	1.22E+02	3.72E-04		3.34E-08
13	14	Subsurface	PAH, Total	mg/kg	5.41E-01	1.65E-06	1.55E-06	1.47E-10
13	14	Subsurface	PCB, Total	mg/kg	1.06E+01	3.22E-05	3.26E-05	2.88E-09
13	14	Subsurface	Uranium-238	pCi/g	3.85E+00	1.17E-05		1.05E-09
13	2	Subsurface	Arsenic	mg/kg	1.04E+01	3.16E-05	6.86E-06	2.83E-09
13	2	Subsurface	Iron	mg/kg	2.47E+04	7.53E-02		6.74E-06
13	2	Subsurface	Manganese	mg/kg	1.22E+03	3.72E-03		3.34E-07
13	2	Subsurface	Vanadium	mg/kg	9.38E+01	2.85E-04		2.56E-08
13	2	Subsurface	Uranium-238	pCi/g	9.95E-01	3.03E-06		2.71E-10
13	3	Subsurface	Iron	mg/kg	2.63E+04	8.00E-02		7.17E-06
13	3	Subsurface	Manganese	mg/kg	1.09E+03	3.33E-03		2.98E-07
13	3	Subsurface	Molybdenum	mg/kg	2.18E+01	6.64E-05		5.95E-09
13	3	Subsurface	Vanadium	mg/kg	9.88E+01	3.00E-04		2.69E-08
13	3	Subsurface	PAH, Total	mg/kg	4.93E-01	1.50E-06	1.41E-06	1.34E-10
13	4	Subsurface	Iron	mg/kg	2.75E+04	8.36E-02		7.49E-06
13	4	Subsurface	Manganese	mg/kg	1.00E+03	3.05E-03		2.73E-07
13	4	Subsurface	Vanadium	mg/kg	9.81E+01	2.98E-04		2.67E-08
13	4	Subsurface	PAH, Total	mg/kg	5.59E-01	1.70E-06	1.60E-06	1.52E-10
13	4	Subsurface	PCB, Total	mg/kg	1.09E+01	3.32E-05	3.36E-05	2.97E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.15. Noncancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	4	Subsurface	Cobalt-60	pCi/g	8.06E-02	2.45E-07		2.20E-11
13	4	Subsurface	Uranium-238	pCi/g	3.27E+00	9.93E-06		8.90E-10
13	5	Subsurface	Aluminum	mg/kg	9.74E+03	2.96E-02		2.65E-06
13	5	Subsurface	Chromium	mg/kg	9.37E+01	2.85E-04		2.55E-08
13	5	Subsurface	Iron	mg/kg	2.42E+04	7.36E-02		6.59E-06
13	5	Subsurface	Manganese	mg/kg	9.08E+02	2.76E-03		2.48E-07
13	5	Subsurface	Uranium	mg/kg	7.38E+01	2.24E-04		2.01E-08
13	5	Subsurface	Vanadium	mg/kg	1.06E+02	3.21E-04		2.87E-08
13	5	Subsurface	PAH, Total	mg/kg	5.43E-01	1.65E-06	1.55E-06	1.48E-10
13	5	Subsurface	PCB, Total	mg/kg	1.03E+01	3.14E-05	3.18E-05	2.81E-09
13	5	Subsurface	Cesium-137	pCi/g	3.52E-01	1.07E-06		9.59E-11
13	5	Subsurface	Neptunium-237	pCi/g	3.60E-01	1.09E-06		9.81E-11
13	5	Subsurface	Technetium-99	pCi/g	9.19E+01	2.80E-04		2.51E-08
13	5	Subsurface	Uranium-234	pCi/g	2.02E+01	6.13E-05		5.49E-09
13	5	Subsurface	Uranium-235	pCi/g	2.73E+00	8.30E-06		7.44E-10
13	5	Subsurface	Uranium-238	pCi/g	3.77E+01	1.15E-04		1.03E-08
13	6	Subsurface	Cadmium	mg/kg	4.68E+00	1.42E-05	1.03E-07	1.28E-09
13	6	Subsurface	Iron	mg/kg	3.09E+04	9.39E-02		8.42E-06
13	6	Subsurface	Manganese	mg/kg	9.46E+02	2.88E-03		2.58E-07
13	6	Subsurface	Uranium	mg/kg	3.67E+01	1.12E-04		1.00E-08
13	6	Subsurface	Vanadium	mg/kg	1.20E+02	3.65E-04		3.27E-08
13	6	Subsurface	PAH, Total	mg/kg	8.43E-01	2.56E-06	2.41E-06	2.30E-10
13	6	Subsurface	PCB, Total	mg/kg	7.04E+00	2.14E-05	2.17E-05	1.92E-09
13	6	Subsurface	Cesium-137	pCi/g	2.02E-01	6.14E-07		5.50E-11
13	6	Subsurface	Neptunium-237	pCi/g	6.23E-01	1.89E-06		1.70E-10
13	6	Subsurface	Technetium-99	pCi/g	8.38E+01	2.55E-04		2.28E-08
13	6	Subsurface	Uranium-234	pCi/g	1.55E+01	4.72E-05		4.23E-09
13	6	Subsurface	Uranium-235	pCi/g	1.16E+00	3.53E-06		3.16E-10
13	6	Subsurface	Uranium-238	pCi/g	3.25E+01	9.88E-05		8.85E-09
13	7	Subsurface	Iron	mg/kg	2.78E+04	8.47E-02		7.59E-06
13	7	Subsurface	Silver	mg/kg	7.79E+01	2.37E-04		2.12E-08
13	7	Subsurface	Vanadium	mg/kg	1.22E+02	3.70E-04		3.31E-08
13	7	Subsurface	PCB, Total	mg/kg	1.08E+01	3.29E-05	3.33E-05	2.95E-09
13	7	Subsurface	Uranium-238	pCi/g	3.69E+00	1.12E-05		1.01E-09
13	8	Subsurface	Iron	mg/kg	2.41E+04	7.33E-02		6.57E-06
13	8	Subsurface	Manganese	mg/kg	1.12E+03	3.41E-03		3.05E-07
13	8	Subsurface	Vanadium	mg/kg	9.97E+01	3.03E-04		2.72E-08
13	8	Subsurface	PAH, Total	mg/kg	5.39E-01	1.64E-06	1.54E-06	1.47E-10
13	9	Subsurface	Arsenic	mg/kg	1.25E+01	3.79E-05	8.22E-06	3.40E-09
13	9	Subsurface	Vanadium	mg/kg	1.17E+02	3.55E-04		3.18E-08
13	9	Subsurface	PAH, Total	mg/kg	4.60E-01	1.40E-06	1.31E-06	1.25E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.15. Noncancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	9	Subsurface	Cesium-137	pCi/g	2.64E-01	8.03E-07		7.19E-11
13	9	Subsurface	Neptunium-237	pCi/g	5.15E-01	1.57E-06		1.40E-10
13	9	Subsurface	Uranium-238	pCi/g	3.78E+00	1.15E-05		1.03E-09
15	1	Subsurface	Antimony	mg/kg	1.08E+02	3.29E-04		2.95E-08
15	1	Subsurface	Arsenic	mg/kg	1.32E+01	4.00E-05	8.68E-06	3.59E-09
15	1	Subsurface	Cadmium	mg/kg	2.72E+01	8.26E-05	5.97E-07	7.40E-09
15	1	Subsurface	Chromium	mg/kg	8.29E+01	2.52E-04		2.26E-08
15	1	Subsurface	Iron	mg/kg	2.97E+04	9.04E-02		8.10E-06
15	1	Subsurface	Manganese	mg/kg	6.01E+02	1.83E-03		1.64E-07
15	1	Subsurface	Nickel	mg/kg	1.39E+02	4.22E-04		3.78E-08
15	1	Subsurface	Thallium	mg/kg	1.31E+01	3.98E-05		3.57E-09
15	1	Subsurface	Uranium	mg/kg	3.23E+01	9.81E-05		8.79E-09
15	1	Subsurface	Vanadium	mg/kg	8.40E+01	2.56E-04		2.29E-08
15	1	Subsurface	PAH, Total	mg/kg	1.16E+00	3.52E-06	3.30E-06	3.15E-10
15	1	Subsurface	Technetium-99	pCi/g	1.06E+02	3.23E-04		2.90E-08
15	1	Subsurface	Uranium-238	pCi/g	1.30E+00	3.94E-06		3.53E-10
15	10	Subsurface	Antimony	mg/kg	1.26E+02	3.83E-04		3.43E-08
15	10	Subsurface	Arsenic	mg/kg	9.75E+00	2.97E-05	6.43E-06	2.66E-09
15	10	Subsurface	Cadmium	mg/kg	1.67E+01	5.08E-05	3.67E-07	4.55E-09
15	10	Subsurface	Chromium	mg/kg	6.29E+01	1.91E-04		1.71E-08
15	10	Subsurface	Mercury	mg/kg	7.84E+00	2.38E-05		2.14E-09
15	10	Subsurface	Nickel	mg/kg	2.26E+02	6.88E-04		6.17E-08
15	10	Subsurface	Uranium	mg/kg	9.02E+01	2.74E-04		2.46E-08
15	10	Subsurface	PAH, Total	mg/kg	1.28E-01	3.91E-07	3.67E-07	3.50E-11
15	2	Subsurface	Aluminum	mg/kg	1.68E+04	5.11E-02		4.58E-06
15	2	Subsurface	Antimony	mg/kg	1.08E+02	3.28E-04		2.94E-08
15	2	Subsurface	Arsenic	mg/kg	1.63E+01	4.94E-05	1.07E-05	4.43E-09
15	2	Subsurface	Cadmium	mg/kg	1.51E+01	4.60E-05	3.33E-07	4.13E-09
15	2	Subsurface	Chromium	mg/kg	5.90E+01	1.79E-04		1.61E-08
15	2	Subsurface	Iron	mg/kg	3.89E+04	1.18E-01		1.06E-05
15	2	Subsurface	Manganese	mg/kg	1.37E+03	4.17E-03		3.74E-07
15	2	Subsurface	Mercury	mg/kg	9.33E+00	2.84E-05		2.54E-09
15	2	Subsurface	Nickel	mg/kg	3.75E+02	1.14E-03		1.02E-07
15	2	Subsurface	Thallium	mg/kg	3.50E-01	1.06E-06		9.54E-11
15	2	Subsurface	Uranium	mg/kg	1.32E+02	4.01E-04		3.59E-08
15	2	Subsurface	Vanadium	mg/kg	9.38E+01	2.85E-04		2.56E-08
15	2	Subsurface	PAH, Total	mg/kg	2.11E+00	6.41E-06	6.02E-06	5.74E-10
15	2	Subsurface	PCB, Total	mg/kg	3.30E-01	1.00E-06	1.02E-06	8.99E-11
15	2	Subsurface	Neptunium-237	pCi/g	5.56E-01	1.69E-06		1.52E-10
15	2	Subsurface	Uranium-234	pCi/g	6.51E+00	1.98E-05		1.77E-09
15	2	Subsurface	Uranium-235	pCi/g	3.80E-01	1.16E-06		1.04E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.15. Noncancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	2	Subsurface	Uranium-238	pCi/g	1.21E+01	3.68E-05		3.30E-09
15	3	Subsurface	Antimony	mg/kg	1.15E+02	3.50E-04		3.13E-08
15	3	Subsurface	Arsenic	mg/kg	3.65E+01	1.11E-04	2.41E-05	9.95E-09
15	3	Subsurface	Cadmium	mg/kg	1.89E+01	5.76E-05	4.16E-07	5.16E-09
15	3	Subsurface	Chromium	mg/kg	8.13E+01	2.47E-04		2.22E-08
15	3	Subsurface	Cobalt	mg/kg	2.37E+01	7.21E-05		6.46E-09
15	3	Subsurface	Copper	mg/kg	1.60E+03	4.86E-03		4.36E-07
15	3	Subsurface	Iron	mg/kg	9.52E+04	2.89E-01		2.59E-05
15	3	Subsurface	Manganese	mg/kg	1.62E+03	4.92E-03		4.41E-07
15	3	Subsurface	Mercury	mg/kg	2.08E+01	6.33E-05		5.67E-09
15	3	Subsurface	Nickel	mg/kg	8.38E+02	2.55E-03		2.28E-07
15	3	Subsurface	Thallium	mg/kg	1.64E+01	4.98E-05		4.46E-09
15	3	Subsurface	Uranium	mg/kg	2.16E+02	6.57E-04		5.89E-08
15	3	Subsurface	Vanadium	mg/kg	7.72E+01	2.35E-04		2.10E-08
15	3	Subsurface	PAH, Total	mg/kg	9.85E-01	3.00E-06	2.82E-06	2.68E-10
15	3	Subsurface	PCB, Total	mg/kg	1.40E+01	4.24E-05	4.29E-05	3.80E-09
15	3	Subsurface	Neptunium-237	pCi/g	4.06E+00	1.23E-05		1.11E-09
15	3	Subsurface	Technetium-99	pCi/g	2.08E+02	6.34E-04		5.68E-08
15	3	Subsurface	Thorium-230	pCi/g	4.61E+00	1.40E-05		1.26E-09
15	3	Subsurface	Uranium-234	pCi/g	1.91E+02	5.80E-04		5.20E-08
15	3	Subsurface	Uranium-235	pCi/g	2.15E+01	6.53E-05		5.85E-09
15	3	Subsurface	Uranium-238	pCi/g	1.08E+03	3.27E-03		2.93E-07
15	4	Subsurface	Antimony	mg/kg	9.30E+01	2.83E-04		2.53E-08
15	4	Subsurface	Arsenic	mg/kg	3.37E+01	1.02E-04	2.22E-05	9.18E-09
15	4	Subsurface	Cadmium	mg/kg	1.34E+01	4.09E-05	2.95E-07	3.66E-09
15	4	Subsurface	Chromium	mg/kg	8.55E+01	2.60E-04		2.33E-08
15	4	Subsurface	Copper	mg/kg	6.00E+02	1.82E-03		1.63E-07
15	4	Subsurface	Iron	mg/kg	6.97E+04	2.12E-01		1.90E-05
15	4	Subsurface	Manganese	mg/kg	1.29E+03	3.91E-03		3.51E-07
15	4	Subsurface	Mercury	mg/kg	5.08E+01	1.54E-04		1.38E-08
15	4	Subsurface	Nickel	mg/kg	1.24E+03	3.77E-03		3.38E-07
15	4	Subsurface	Thallium	mg/kg	2.06E+01	6.28E-05		5.62E-09
15	4	Subsurface	Uranium	mg/kg	1.29E+02	3.92E-04		3.52E-08
15	4	Subsurface	Vanadium	mg/kg	7.58E+01	2.31E-04		2.07E-08
15	4	Subsurface	PAH, Total	mg/kg	1.25E+00	3.79E-06	3.56E-06	3.40E-10
15	4	Subsurface	PCB, Total	mg/kg	3.13E+01	9.52E-05	9.64E-05	8.53E-09
15	4	Subsurface	Neptunium-237	pCi/g	4.33E-01	1.32E-06		1.18E-10
15	4	Subsurface	Uranium-234	pCi/g	5.74E+00	1.75E-05		1.56E-09
15	4	Subsurface	Uranium-235	pCi/g	2.69E-01	8.18E-07		7.33E-11
15	4	Subsurface	Uranium-238	pCi/g	9.63E+00	2.93E-05		2.62E-09
15	5	Subsurface	Aluminum	mg/kg	9.61E+03	2.92E-02		2.62E-06

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.15. Noncancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	5	Subsurface	Antimony	mg/kg	1.22E+02	3.71E-04		3.32E-08
15	5	Subsurface	Arsenic	mg/kg	1.33E+01	4.04E-05	8.77E-06	3.62E-09
15	5	Subsurface	Cadmium	mg/kg	1.80E+01	5.49E-05	3.97E-07	4.92E-09
15	5	Subsurface	Chromium	mg/kg	6.58E+01	2.00E-04		1.79E-08
15	5	Subsurface	Copper	mg/kg	5.63E+03	1.71E-02		1.53E-06
15	5	Subsurface	Iron	mg/kg	2.31E+04	7.01E-02		6.28E-06
15	5	Subsurface	Manganese	mg/kg	7.28E+02	2.21E-03		1.98E-07
15	5	Subsurface	Mercury	mg/kg	1.96E+01	5.95E-05		5.34E-09
15	5	Subsurface	Nickel	mg/kg	3.48E+02	1.06E-03		9.49E-08
15	5	Subsurface	Uranium	mg/kg	1.74E+02	5.28E-04		4.73E-08
15	5	Subsurface	Zinc	mg/kg	1.53E+03	4.64E-03		4.16E-07
15	5	Subsurface	PAH, Total	mg/kg	3.31E-01	1.01E-06	9.46E-07	9.02E-11
15	5	Subsurface	PCB, Total	mg/kg	4.64E+01	1.41E-04	1.43E-04	1.26E-08
15	5	Subsurface	Neptunium-237	pCi/g	5.30E-01	1.61E-06		1.44E-10
15	5	Subsurface	Uranium-235	pCi/g	3.62E-01	1.10E-06		9.86E-11
15	5	Subsurface	Uranium-238	pCi/g	8.14E+00	2.48E-05		2.22E-09
15	6	Subsurface	Antimony	mg/kg	9.94E+01	3.02E-04		2.71E-08
15	6	Subsurface	Arsenic	mg/kg	1.20E+01	3.66E-05	7.93E-06	3.28E-09
15	6	Subsurface	Cadmium	mg/kg	2.50E+01	7.61E-05	5.50E-07	6.82E-09
15	6	Subsurface	Chromium	mg/kg	7.97E+01	2.42E-04		2.17E-08
15	6	Subsurface	Cobalt	mg/kg	1.13E+01	3.43E-05		3.08E-09
15	6	Subsurface	Copper	mg/kg	4.28E+02	1.30E-03		1.17E-07
15	6	Subsurface	Iron	mg/kg	3.29E+04	1.00E-01		8.96E-06
15	6	Subsurface	Manganese	mg/kg	6.96E+02	2.12E-03		1.90E-07
15	6	Subsurface	Mercury	mg/kg	1.87E+01	5.68E-05		5.09E-09
15	6	Subsurface	Nickel	mg/kg	3.00E+02	9.13E-04		8.18E-08
15	6	Subsurface	Uranium	mg/kg	6.26E+01	1.90E-04		1.71E-08
15	6	Subsurface	PAH, Total	mg/kg	1.25E+00	3.80E-06	3.57E-06	3.40E-10
15	6	Subsurface	PCB, Total	mg/kg	6.17E+00	1.87E-05	1.90E-05	1.68E-09
15	6	Subsurface	Neptunium-237	pCi/g	4.93E-01	1.50E-06		1.34E-10
15	6	Subsurface	Uranium-234	pCi/g	6.91E+00	2.10E-05		1.88E-09
15	6	Subsurface	Uranium-235	pCi/g	4.48E-01	1.36E-06		1.22E-10
15	6	Subsurface	Uranium-238	pCi/g	1.21E+01	3.66E-05		3.28E-09
15	7	Subsurface	Aluminum	mg/kg	1.13E+04	3.42E-02		3.07E-06
15	7	Subsurface	Antimony	mg/kg	1.41E+02	4.30E-04		3.85E-08
15	7	Subsurface	Arsenic	mg/kg	1.61E+01	4.91E-05	1.06E-05	4.40E-09
15	7	Subsurface	Cadmium	mg/kg	2.78E+01	8.45E-05	6.11E-07	7.57E-09
15	7	Subsurface	Chromium	mg/kg	6.54E+01	1.99E-04		1.78E-08
15	7	Subsurface	Copper	mg/kg	6.02E+02	1.83E-03		1.64E-07
15	7	Subsurface	Iron	mg/kg	3.45E+04	1.05E-01		9.39E-06
15	7	Subsurface	Manganese	mg/kg	1.17E+03	3.55E-03		3.18E-07

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.15. Noncancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	7	Subsurface	Nickel	mg/kg	5.59E+02	1.70E-03		1.52E-07
15	7	Subsurface	Uranium	mg/kg	5.34E+01	1.62E-04		1.46E-08
15	7	Subsurface	PAH, Total	mg/kg	1.24E-01	3.77E-07	3.54E-07	3.38E-11
15	7	Subsurface	PCB, Total	mg/kg	2.55E+01	7.77E-05	7.86E-05	6.96E-09
15	7	Subsurface	Uranium-234	pCi/g	4.27E+00	1.30E-05		1.16E-09
15	7	Subsurface	Uranium-235	pCi/g	2.96E-01	9.00E-07		8.07E-11
15	7	Subsurface	Uranium-238	pCi/g	6.39E+00	1.94E-05		1.74E-09
15	8	Subsurface	Antimony	mg/kg	9.93E+01	3.02E-04		2.71E-08
15	8	Subsurface	Arsenic	mg/kg	1.14E+01	3.47E-05	7.53E-06	3.11E-09
15	8	Subsurface	Cadmium	mg/kg	1.68E+01	5.12E-05	3.70E-07	4.58E-09
15	8	Subsurface	Chromium	mg/kg	7.53E+01	2.29E-04		2.05E-08
15	8	Subsurface	Iron	mg/kg	2.83E+04	8.59E-02		7.70E-06
15	8	Subsurface	Manganese	mg/kg	6.03E+02	1.83E-03		1.64E-07
15	8	Subsurface	Mercury	mg/kg	1.73E+01	5.27E-05		4.72E-09
15	8	Subsurface	Nickel	mg/kg	1.82E+02	5.54E-04		4.97E-08
15	8	Subsurface	Uranium	mg/kg	4.46E+01	1.35E-04		1.21E-08
15	8	Subsurface	PAH, Total	mg/kg	2.80E-01	8.52E-07	8.00E-07	7.63E-11
15	8	Subsurface	PCB, Total	mg/kg	6.29E+00	1.91E-05	1.94E-05	1.71E-09
15	8	Subsurface	Neptunium-237	pCi/g	2.83E-01	8.61E-07		7.71E-11
15	8	Subsurface	Uranium-238	pCi/g	4.52E+00	1.37E-05		1.23E-09
15	9	Subsurface	Antimony	mg/kg	1.22E+02	3.72E-04		3.34E-08
15	9	Subsurface	Arsenic	mg/kg	1.31E+01	3.98E-05	8.63E-06	3.57E-09
15	9	Subsurface	Cadmium	mg/kg	2.81E+01	8.54E-05	6.17E-07	7.65E-09
15	9	Subsurface	Chromium	mg/kg	8.92E+01	2.71E-04		2.43E-08
15	9	Subsurface	Iron	mg/kg	3.02E+04	9.18E-02		8.23E-06
15	9	Subsurface	Manganese	mg/kg	1.57E+03	4.76E-03		4.27E-07
15	9	Subsurface	Mercury	mg/kg	1.74E+01	5.29E-05		4.74E-09
15	9	Subsurface	Nickel	mg/kg	1.49E+02	4.54E-04		4.07E-08
15	9	Subsurface	Uranium	mg/kg	3.07E+01	9.32E-05		8.35E-09
15	9	Subsurface	Vanadium	mg/kg	7.33E+01	2.23E-04		2.00E-08
15	9	Subsurface	PAH, Total	mg/kg	1.85E-01	5.63E-07	5.29E-07	5.04E-11
15	9	Subsurface	PCB, Total	mg/kg	6.51E+00	1.98E-05	2.00E-05	1.77E-09
15	9	Subsurface	Uranium-238	pCi/g	4.68E+00	1.42E-05		1.28E-09
204	1	Subsurface	Aluminum	mg/kg	1.18E+04	3.58E-02		3.21E-06
204	1	Subsurface	Manganese	mg/kg	6.80E+02	2.07E-03		1.85E-07
204	1	Subsurface	Vanadium	mg/kg	1.21E+02	3.67E-04		3.29E-08
204	1	Subsurface	PAH, Total	mg/kg	4.93E-01	1.50E-06	1.41E-06	1.34E-10
204	1	Subsurface	Uranium-238	pCi/g	1.37E+00	4.15E-06		3.72E-10
204	10	Subsurface	Antimony	mg/kg	1.20E+01	3.65E-05		3.27E-09
204	10	Subsurface	Iron	mg/kg	4.10E+04	1.25E-01		1.12E-05
204	10	Subsurface	Vanadium	mg/kg	1.33E+02	4.04E-04		3.62E-08

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.15. Noncancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	10	Subsurface	PAH, Total	mg/kg	6.42E-02	1.95E-07	1.83E-07	1.75E-11
204	10	Subsurface	Cesium-137	pCi/g	2.83E-01	8.61E-07		7.71E-11
204	10	Subsurface	Uranium-238	pCi/g	3.15E+00	9.58E-06		8.58E-10
204	11	Subsurface	Arsenic	mg/kg	8.80E+00	2.68E-05	5.80E-06	2.40E-09
204	11	Subsurface	Iron	mg/kg	3.14E+04	9.53E-02		8.54E-06
204	11	Subsurface	Manganese	mg/kg	9.85E+02	3.00E-03		2.68E-07
204	11	Subsurface	Vanadium	mg/kg	1.46E+02	4.44E-04		3.98E-08
204	11	Subsurface	PAH, Total	mg/kg	1.09E-01	3.32E-07	3.12E-07	2.98E-11
204	11	Subsurface	Uranium-238	pCi/g	3.09E+00	9.40E-06		8.42E-10
204	12	Subsurface	Arsenic	mg/kg	9.80E+00	2.98E-05	6.46E-06	2.67E-09
204	12	Subsurface	Iron	mg/kg	2.86E+04	8.70E-02		7.80E-06
204	12	Subsurface	Manganese	mg/kg	2.12E+03	6.43E-03		5.76E-07
204	12	Subsurface	Vanadium	mg/kg	1.44E+02	4.38E-04		3.92E-08
204	12	Subsurface	PAH, Total	mg/kg	6.43E-02	1.96E-07	1.84E-07	1.75E-11
204	12	Subsurface	Cesium-137	pCi/g	2.93E-01	8.91E-07		7.98E-11
204	12	Subsurface	Uranium-238	pCi/g	3.26E+00	9.91E-06		8.88E-10
204	13	Subsurface	Arsenic	mg/kg	8.60E+00	2.62E-05	5.67E-06	2.34E-09
204	13	Subsurface	Manganese	mg/kg	1.04E+03	3.17E-03		2.84E-07
204	13	Subsurface	Vanadium	mg/kg	1.45E+02	4.41E-04		3.95E-08
204	13	Subsurface	PAH, Total	mg/kg	5.05E-01	1.54E-06	1.44E-06	1.38E-10
204	13	Subsurface	Cesium-137	pCi/g	2.89E-01	8.79E-07		7.88E-11
204	13	Subsurface	Uranium-238	pCi/g	2.98E+00	9.06E-06		8.12E-10
204	14	Subsurface	Arsenic	mg/kg	1.36E+02	4.14E-04	8.97E-05	3.71E-08
204	14	Subsurface	Iron	mg/kg	3.52E+04	1.07E-01		9.59E-06
204	14	Subsurface	Manganese	mg/kg	8.21E+02	2.50E-03		2.24E-07
204	14	Subsurface	Uranium	mg/kg	1.34E+02	4.08E-04		3.65E-08
204	14	Subsurface	Vanadium	mg/kg	1.43E+02	4.35E-04		3.90E-08
204	14	Subsurface	PAH, Total	mg/kg	1.28E-01	3.88E-07	3.65E-07	3.48E-11
204	14	Subsurface	Uranium-238	pCi/g	4.25E+00	1.29E-05		1.16E-09
204	15	Subsurface	Iron	mg/kg	4.59E+04	1.40E-01		1.25E-05
204	15	Subsurface	Manganese	mg/kg	8.78E+02	2.67E-03		2.39E-07
204	15	Subsurface	Vanadium	mg/kg	1.36E+02	4.14E-04		3.71E-08
204	15	Subsurface	PAH, Total	mg/kg	1.89E-01	5.73E-07	5.39E-07	5.14E-11
204	15	Subsurface	Cesium-137	pCi/g	6.30E-01	1.92E-06		1.72E-10
204	15	Subsurface	Uranium-238	pCi/g	5.37E+00	1.63E-05		1.46E-09
204	16	Subsurface	Arsenic	mg/kg	8.20E+00	2.49E-05	5.41E-06	2.23E-09
204	16	Subsurface	Iron	mg/kg	2.89E+04	8.80E-02		7.88E-06
204	16	Subsurface	Manganese	mg/kg	1.80E+03	5.47E-03		4.90E-07
204	16	Subsurface	Silver	mg/kg	5.10E+01	1.55E-04		1.39E-08
204	16	Subsurface	Vanadium	mg/kg	1.22E+02	3.71E-04		3.32E-08
204	16	Subsurface	PAH, Total	mg/kg	2.61E-02	7.94E-08	7.46E-08	7.11E-12

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.15. Noncancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	17	Subsurface	Arsenic	mg/kg	9.60E+00	2.92E-05	6.33E-06	2.62E-09
204	17	Subsurface	Iron	mg/kg	2.98E+04	9.06E-02		8.12E-06
204	17	Subsurface	Manganese	mg/kg	8.33E+02	2.53E-03		2.27E-07
204	17	Subsurface	Vanadium	mg/kg	1.22E+02	3.71E-04		3.32E-08
204	17	Subsurface	PAH, Total	mg/kg	1.49E-01	4.52E-07	4.24E-07	4.05E-11
204	17	Subsurface	Uranium-238	pCi/g	2.50E+00	7.60E-06		6.81E-10
204	18	Subsurface	Iron	mg/kg	3.35E+04	1.02E-01		9.14E-06
204	18	Subsurface	Manganese	mg/kg	1.07E+03	3.25E-03		2.91E-07
204	18	Subsurface	Silver	mg/kg	8.90E+01	2.71E-04		2.43E-08
204	18	Subsurface	Uranium	mg/kg	1.09E+02	3.31E-04		2.97E-08
204	18	Subsurface	Vanadium	mg/kg	1.51E+02	4.59E-04		4.11E-08
204	18	Subsurface	PAH, Total	mg/kg	2.13E-02	6.48E-08	6.09E-08	5.80E-12
204	18	Subsurface	Uranium-238	pCi/g	1.81E+00	5.50E-06		4.93E-10
204	19	Subsurface	Arsenic	mg/kg	1.20E+01	3.65E-05	7.91E-06	3.27E-09
204	19	Subsurface	Manganese	mg/kg	1.30E+03	3.95E-03		3.54E-07
204	19	Subsurface	Silver	mg/kg	5.50E+01	1.67E-04		1.50E-08
204	19	Subsurface	Uranium	mg/kg	8.50E+01	2.58E-04		2.32E-08
204	19	Subsurface	Vanadium	mg/kg	1.21E+02	3.68E-04		3.30E-08
204	19	Subsurface	PAH, Total	mg/kg	1.30E-01	3.94E-07	3.71E-07	3.53E-11
204	19	Subsurface	Uranium-238	pCi/g	2.65E+00	8.06E-06		7.22E-10
204	2	Subsurface	Arsenic	mg/kg	4.59E+01	1.40E-04	3.03E-05	1.25E-08
204	2	Subsurface	Iron	mg/kg	2.69E+04	8.17E-02		7.32E-06
204	2	Subsurface	Manganese	mg/kg	8.34E+02	2.54E-03		2.27E-07
204	2	Subsurface	Vanadium	mg/kg	1.21E+02	3.68E-04		3.30E-08
204	2	Subsurface	PAH, Total	mg/kg	4.93E-02	1.50E-07	1.41E-07	1.34E-11
204	2	Subsurface	Uranium-238	pCi/g	2.85E+00	8.66E-06		7.76E-10
204	20	Subsurface	Arsenic	mg/kg	1.40E+01	4.26E-05	9.23E-06	3.81E-09
204	20	Subsurface	Chromium	mg/kg	1.75E+02	5.32E-04		4.77E-08
204	20	Subsurface	Cobalt	mg/kg	1.30E+01	3.95E-05		3.54E-09
204	20	Subsurface	Iron	mg/kg	4.60E+04	1.40E-01		1.25E-05
204	20	Subsurface	Manganese	mg/kg	8.39E+02	2.55E-03		2.29E-07
204	20	Subsurface	Silver	mg/kg	4.70E+01	1.43E-04		1.28E-08
204	20	Subsurface	Uranium	mg/kg	1.31E+04	3.97E-02		3.56E-06
204	20	Subsurface	Vanadium	mg/kg	1.14E+02	3.47E-04		3.11E-08
204	20	Subsurface	PCB, Total	mg/kg	7.90E+01	2.40E-04	2.43E-04	2.15E-08
204	20	Subsurface	Americium-241	pCi/g	3.71E+00	1.13E-05		1.01E-09
204	20	Subsurface	Cesium-137	pCi/g	1.17E+00	3.56E-06		3.19E-10
204	20	Subsurface	Protactinium-231	pCi/g	3.65E+01	1.11E-04		9.94E-09
204	20	Subsurface	Uranium-234	pCi/g	4.45E+02	1.35E-03		1.21E-07
204	20	Subsurface	Uranium-235	pCi/g	5.70E+01	1.73E-04		1.55E-08
204	20	Subsurface	Uranium-238	pCi/g	4.39E+03	1.33E-02		1.20E-06

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.15. Noncancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	21	Subsurface	Arsenic	mg/kg	8.60E+00	2.62E-05	5.67E-06	2.34E-09
204	21	Subsurface	Cobalt	mg/kg	1.80E+01	5.47E-05		4.90E-09
204	21	Subsurface	Manganese	mg/kg	1.13E+03	3.44E-03		3.08E-07
204	21	Subsurface	Vanadium	mg/kg	1.20E+02	3.65E-04		3.27E-08
204	21	Subsurface	PAH, Total	mg/kg	1.62E-02	4.94E-08	4.64E-08	4.42E-12
204	3	Subsurface	Arsenic	mg/kg	1.10E+01	3.35E-05	7.25E-06	3.00E-09
204	3	Subsurface	Manganese	mg/kg	1.05E+03	3.21E-03		2.87E-07
204	3	Subsurface	Silver	mg/kg	5.40E+01	1.64E-04		1.47E-08
204	3	Subsurface	Vanadium	mg/kg	1.22E+02	3.71E-04		3.32E-08
204	3	Subsurface	PAH, Total	mg/kg	3.52E-02	1.07E-07	1.01E-07	9.59E-12
204	3	Subsurface	Uranium-238	pCi/g	2.31E+00	7.02E-06		6.29E-10
204	4	Subsurface	Arsenic	mg/kg	1.10E+01	3.35E-05	7.25E-06	3.00E-09
204	4	Subsurface	Iron	mg/kg	2.92E+04	8.89E-02		7.96E-06
204	4	Subsurface	Manganese	mg/kg	8.97E+02	2.73E-03		2.44E-07
204	4	Subsurface	Molybdenum	mg/kg	4.10E+01	1.25E-04		1.12E-08
204	4	Subsurface	Silver	mg/kg	5.90E+01	1.79E-04		1.61E-08
204	4	Subsurface	Vanadium	mg/kg	1.39E+02	4.23E-04		3.79E-08
204	4	Subsurface	PAH, Total	mg/kg	2.33E-02	7.09E-08	6.66E-08	6.35E-12
204	4	Subsurface	Uranium-238	pCi/g	1.82E+00	5.53E-06		4.96E-10
204	5	Subsurface	Arsenic	mg/kg	5.67E+01	1.72E-04	3.74E-05	1.55E-08
204	5	Subsurface	Cobalt	mg/kg	1.04E+01	3.17E-05		2.84E-09
204	5	Subsurface	Manganese	mg/kg	9.75E+02	2.96E-03		2.66E-07
204	5	Subsurface	Vanadium	mg/kg	1.21E+02	3.69E-04		3.31E-08
204	5	Subsurface	PAH, Total	mg/kg	1.66E-02	5.05E-08	4.74E-08	4.52E-12
204	5	Subsurface	Uranium-238	pCi/g	6.60E+00	2.01E-05		1.80E-09
204	6	Subsurface	Arsenic	mg/kg	1.00E+01	3.04E-05	6.60E-06	2.72E-09
204	6	Subsurface	Iron	mg/kg	3.17E+04	9.64E-02		8.64E-06
204	6	Subsurface	Manganese	mg/kg	2.65E+03	8.05E-03		7.22E-07
204	6	Subsurface	Vanadium	mg/kg	1.25E+02	3.80E-04		3.41E-08
204	6	Subsurface	PAH, Total	mg/kg	3.25E-02	9.88E-08	9.29E-08	8.86E-12
204	6	Subsurface	Uranium-238	pCi/g	3.63E+00	1.10E-05		9.89E-10
204	7	Subsurface	Arsenic	mg/kg	1.70E+01	5.17E-05	1.12E-05	4.63E-09
204	7	Subsurface	Cobalt	mg/kg	1.50E+01	4.56E-05		4.09E-09
204	7	Subsurface	Iron	mg/kg	2.95E+04	8.96E-02		8.03E-06
204	7	Subsurface	Manganese	mg/kg	2.80E+03	8.52E-03		7.63E-07
204	7	Subsurface	Vanadium	mg/kg	1.27E+02	3.86E-04		3.46E-08
204	7	Subsurface	PAH, Total	mg/kg	9.68E-03	2.94E-08	2.77E-08	2.64E-12
204	7	Subsurface	Uranium-238	pCi/g	2.04E+00	6.20E-06		5.56E-10
204	8	Subsurface	Arsenic	mg/kg	8.40E+00	2.55E-05	5.54E-06	2.29E-09
204	8	Subsurface	Cobalt	mg/kg	1.40E+01	4.26E-05		3.81E-09
204	8	Subsurface	Iron	mg/kg	3.09E+04	9.41E-02		8.43E-06

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.15. Noncancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	8	Subsurface	Manganese	mg/kg	1.39E+03	4.21E-03		3.77E-07
204	8	Subsurface	Vanadium	mg/kg	1.32E+02	4.01E-04		3.60E-08
204	8	Subsurface	PAH, Total	mg/kg	7.37E-02	2.24E-07	2.10E-07	2.01E-11
204	8	Subsurface	Uranium-238	pCi/g	2.01E+00	6.11E-06		5.48E-10
204	9	Subsurface	Arsenic	mg/kg	8.40E+00	2.55E-05	5.54E-06	2.29E-09
204	9	Subsurface	Iron	mg/kg	3.06E+04	9.30E-02		8.34E-06
204	9	Subsurface	Manganese	mg/kg	9.10E+02	2.77E-03		2.48E-07
204	9	Subsurface	Vanadium	mg/kg	1.37E+02	4.17E-04		3.73E-08
204	9	Subsurface	PAH, Total	mg/kg	5.01E+00	1.52E-05	1.43E-05	1.37E-09
204	9	Subsurface	Uranium-238	pCi/g	2.22E+00	6.75E-06		6.05E-10
211	1	Subsurface	Antimony	mg/kg	9.74E+01	2.96E-04		2.66E-08
211	1	Subsurface	Arsenic	mg/kg	1.00E+01	3.04E-05	6.60E-06	2.72E-09
211	1	Subsurface	Cadmium	mg/kg	1.42E+01	4.31E-05	3.11E-07	3.86E-09
211	1	Subsurface	Chromium	mg/kg	4.84E+01	1.47E-04		1.32E-08
211	1	Subsurface	Cobalt	mg/kg	4.95E+01	1.51E-04		1.35E-08
211	1	Subsurface	Iron	mg/kg	4.71E+04	1.43E-01		1.28E-05
211	1	Subsurface	Thallium	mg/kg	6.02E-01	1.83E-06		1.64E-10
211	1	Subsurface	Uranium	mg/kg	4.85E+01	1.47E-04		1.32E-08
211	1	Subsurface	Vanadium	mg/kg	1.03E+02	3.13E-04		2.81E-08
211	1	Subsurface	PAH, Total	mg/kg	1.04E-01	3.16E-07	2.97E-07	2.83E-11
211	1	Subsurface	PCB, Total	mg/kg	1.00E+01	3.04E-05	3.08E-05	2.72E-09
211	1	Subsurface	Uranium-234	pCi/g	6.69E+01	2.03E-04		1.82E-08
211	1	Subsurface	Uranium-235	pCi/g	3.86E+00	1.17E-05		1.05E-09
211	1	Subsurface	Uranium-238	pCi/g	1.19E+02	3.62E-04		3.24E-08
224	1	Subsurface	Antimony	mg/kg	1.08E+02	3.29E-04		2.94E-08
224	1	Subsurface	Arsenic	mg/kg	1.00E+01	3.04E-05	6.60E-06	2.72E-09
224	1	Subsurface	Chromium	mg/kg	6.50E+01	1.98E-04		1.77E-08
224	1	Subsurface	Uranium	mg/kg	4.15E+01	1.26E-04		1.13E-08
224	1	Subsurface	PAH, Total	mg/kg	5.95E-01	1.81E-06	1.70E-06	1.62E-10
224	1	Subsurface	Cesium-137	pCi/g	3.70E-01	1.13E-06		1.01E-10
224	1	Subsurface	Uranium-238	pCi/g	1.39E+01	4.23E-05		3.79E-09
225	1	Subsurface	Antimony	mg/kg	5.41E+01	1.65E-04		1.47E-08
225	1	Subsurface	Arsenic	mg/kg	8.10E+00	2.46E-05	5.34E-06	2.21E-09
225	1	Subsurface	Manganese	mg/kg	8.55E+02	2.60E-03		2.33E-07
225	1	Subsurface	Vanadium	mg/kg	1.09E+02	3.31E-04		2.97E-08
225	1	Subsurface	PAH, Total	mg/kg	7.79E-02	2.37E-07	2.22E-07	2.12E-11
225	1	Subsurface	Cesium-137	pCi/g	4.17E-01	1.27E-06		1.14E-10
225	1	Subsurface	Uranium-238	pCi/g	2.04E+00	6.20E-06		5.56E-10
26	1	Subsurface	Aluminum	mg/kg	1.25E+04	3.81E-02		3.41E-06
26	1	Subsurface	Antimony	mg/kg	7.32E+01	2.23E-04		1.99E-08
26	1	Subsurface	Arsenic	mg/kg	1.01E+01	3.08E-05	6.68E-06	2.76E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.15. Noncancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
26	1	Subsurface	Beryllium	mg/kg	1.57E+01	4.78E-05		4.28E-09
26	1	Subsurface	Cadmium	mg/kg	1.03E+01	3.14E-05	2.27E-07	2.82E-09
26	1	Subsurface	Cobalt	mg/kg	1.17E+01	3.55E-05		3.18E-09
26	1	Subsurface	Iron	mg/kg	2.93E+04	8.90E-02		7.98E-06
26	1	Subsurface	Manganese	mg/kg	8.52E+02	2.59E-03		2.32E-07
26	1	Subsurface	Mercury	mg/kg	5.65E+01	1.72E-04		1.54E-08
26	1	Subsurface	Nickel	mg/kg	1.21E+02	3.69E-04		3.31E-08
26	1	Subsurface	Thallium	mg/kg	2.59E-01	7.88E-07		7.06E-11
26	1	Subsurface	Uranium	mg/kg	6.70E+02	2.04E-03		1.83E-07
26	1	Subsurface	Vanadium	mg/kg	1.61E+02	4.90E-04		4.39E-08
26	1	Subsurface	PAH, Total	mg/kg	2.97E-01	9.03E-07	8.49E-07	8.09E-11
26	1	Subsurface	PCB, Total	mg/kg	6.35E+00	1.93E-05	1.95E-05	1.73E-09
26	1	Subsurface	Uranium-234	pCi/g	8.04E+00	2.45E-05		2.19E-09
26	1	Subsurface	Uranium-235	pCi/g	1.27E+00	3.85E-06		3.45E-10
26	1	Subsurface	Uranium-238	pCi/g	6.95E+01	2.11E-04		1.89E-08
26	2	Subsurface	Aluminum	mg/kg	2.50E+04	7.62E-02		6.82E-06
26	2	Subsurface	Antimony	mg/kg	2.73E+02	8.31E-04		7.45E-08
26	2	Subsurface	Arsenic	mg/kg	4.78E+01	1.45E-04	3.15E-05	1.30E-08
26	2	Subsurface	Beryllium	mg/kg	1.54E+01	4.67E-05		4.19E-09
26	2	Subsurface	Cadmium	mg/kg	1.60E+01	4.87E-05	3.52E-07	4.36E-09
26	2	Subsurface	Chromium	mg/kg	7.26E+01	2.21E-04		1.98E-08
26	2	Subsurface	Cobalt	mg/kg	4.72E+01	1.43E-04		1.29E-08
26	2	Subsurface	Iron	mg/kg	4.46E+04	1.36E-01		1.22E-05
26	2	Subsurface	Manganese	mg/kg	9.14E+02	2.78E-03		2.49E-07
26	2	Subsurface	Mercury	mg/kg	2.36E+01	7.19E-05		6.44E-09
26	2	Subsurface	Nickel	mg/kg	1.08E+02	3.30E-04		2.95E-08
26	2	Subsurface	Thallium	mg/kg	1.68E+01	5.12E-05		4.58E-09
26	2	Subsurface	Uranium	mg/kg	1.15E+03	3.49E-03		3.13E-07
26	2	Subsurface	Vanadium	mg/kg	1.03E+02	3.13E-04		2.80E-08
26	2	Subsurface	PAH, Total	mg/kg	3.85E-01	1.17E-06	1.10E-06	1.05E-10
26	2	Subsurface	PCB, Total	mg/kg	8.33E+00	2.53E-05	2.56E-05	2.27E-09
26	2	Subsurface	Cesium-137	pCi/g	8.23E+00	2.50E-05		2.24E-09
26	2	Subsurface	Neptunium-237	pCi/g	2.04E-01	6.20E-07		5.56E-11
26	2	Subsurface	Radium-228	pCi/g	1.69E+00	5.14E-06		4.61E-10
26	2	Subsurface	Thorium-230	pCi/g	3.02E+00	9.17E-06		8.22E-10
26	2	Subsurface	Uranium-234	pCi/g	1.41E+01	4.29E-05		3.84E-09
26	2	Subsurface	Uranium-235	pCi/g	1.84E+00	5.59E-06		5.01E-10
26	2	Subsurface	Uranium-238	pCi/g	3.92E+01	1.19E-04		1.07E-08
26	3	Subsurface	Aluminum	mg/kg	9.30E+03	2.83E-02		2.53E-06
26	3	Subsurface	Antimony	mg/kg	6.79E+01	2.06E-04		1.85E-08
26	3	Subsurface	Arsenic	mg/kg	7.52E+01	2.29E-04	4.96E-05	2.05E-08

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.15. Noncancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
26	3	Subsurface	Chromium	mg/kg	6.47E+01	1.97E-04		1.76E-08
26	3	Subsurface	Cobalt	mg/kg	9.23E+00	2.81E-05		2.52E-09
26	3	Subsurface	Iron	mg/kg	3.45E+04	1.05E-01		9.40E-06
26	3	Subsurface	Manganese	mg/kg	5.74E+02	1.75E-03		1.56E-07
26	3	Subsurface	Mercury	mg/kg	1.79E+01	5.44E-05		4.88E-09
26	3	Subsurface	Molybdenum	mg/kg	4.40E+01	1.34E-04		1.20E-08
26	3	Subsurface	Thallium	mg/kg	2.51E+00	7.63E-06		6.84E-10
26	3	Subsurface	Uranium	mg/kg	2.05E+02	6.22E-04		5.58E-08
26	3	Subsurface	Vanadium	mg/kg	1.43E+02	4.34E-04		3.89E-08
26	3	Subsurface	PAH, Total	mg/kg	3.47E-01	1.06E-06	9.92E-07	9.46E-11
26	3	Subsurface	PCB, Total	mg/kg	5.51E+00	1.67E-05	1.69E-05	1.50E-09
26	3	Subsurface	Pentachlorophenol	mg/kg	1.61E+00	4.89E-06	8.83E-06	4.38E-10
26	3	Subsurface	Cesium-137	pCi/g	3.38E+00	1.03E-05		9.21E-10
26	3	Subsurface	Neptunium-237	pCi/g	3.35E-01	1.02E-06		9.13E-11
26	3	Subsurface	Uranium-234	pCi/g	3.89E+00	1.18E-05		1.06E-09
26	3	Subsurface	Uranium-235	pCi/g	2.91E-01	8.85E-07		7.93E-11
26	3	Subsurface	Uranium-238	pCi/g	5.86E+00	1.78E-05		1.60E-09
26	4	Subsurface	Aluminum	mg/kg	1.20E+04	3.66E-02		3.28E-06
26	4	Subsurface	Antimony	mg/kg	7.32E+01	2.23E-04		1.99E-08
26	4	Subsurface	Arsenic	mg/kg	6.05E+01	1.84E-04	3.99E-05	1.65E-08
26	4	Subsurface	Cadmium	mg/kg	9.00E+00	2.74E-05	1.98E-07	2.45E-09
26	4	Subsurface	Chromium	mg/kg	1.02E+02	3.10E-04		2.78E-08
26	4	Subsurface	Cobalt	mg/kg	1.47E+01	4.46E-05		3.99E-09
26	4	Subsurface	Copper	mg/kg	3.24E+03	9.85E-03		8.83E-07
26	4	Subsurface	Iron	mg/kg	3.21E+04	9.75E-02		8.74E-06
26	4	Subsurface	Manganese	mg/kg	7.87E+02	2.39E-03		2.14E-07
26	4	Subsurface	Mercury	mg/kg	1.90E+01	5.77E-05		5.17E-09
26	4	Subsurface	Molybdenum	mg/kg	4.08E+01	1.24E-04		1.11E-08
26	4	Subsurface	Nickel	mg/kg	1.21E+04	3.67E-02		3.29E-06
26	4	Subsurface	Thallium	mg/kg	1.53E+00	4.64E-06		4.16E-10
26	4	Subsurface	Uranium	mg/kg	1.34E+03	4.08E-03		3.65E-07
26	4	Subsurface	Vanadium	mg/kg	1.42E+02	4.32E-04		3.87E-08
26	4	Subsurface	PAH, Total	mg/kg	4.28E+00	1.30E-05	1.22E-05	1.17E-09
26	4	Subsurface	PCB, Total	mg/kg	7.96E+00	2.42E-05	2.45E-05	2.17E-09
26	4	Subsurface	Cesium-137	pCi/g	4.69E+00	1.43E-05		1.28E-09
26	4	Subsurface	Neptunium-237	pCi/g	3.87E+01	1.18E-04		1.05E-08
26	4	Subsurface	Plutonium-239/240	pCi/g	1.51E+01	4.60E-05		4.13E-09
26	4	Subsurface	Technetium-99	pCi/g	3.81E+03	1.16E-02		1.04E-06
26	4	Subsurface	Thorium-230	pCi/g	8.68E+01	2.64E-04		2.36E-08
26	4	Subsurface	Uranium-234	pCi/g	3.46E+02	1.05E-03		9.43E-08
26	4	Subsurface	Uranium-235	pCi/g	2.46E+01	7.47E-05		6.69E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.15. Noncancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
26	4	Subsurface	Uranium-238	pCi/g	8.24E+02	2.51E-03		2.25E-07
565	1	Subsurface	Cesium-137	pCi/g	4.00E-01	1.22E-06		1.09E-10
77	1	Subsurface	Chromium	mg/kg	8.30E+01	2.52E-04		2.26E-08
77	1	Subsurface	Iron	mg/kg	5.03E+04	1.53E-01		1.37E-05
77	1	Subsurface	Uranium	mg/kg	6.66E+02	2.03E-03		1.81E-07
77	1	Subsurface	Vanadium	mg/kg	1.68E+02	5.11E-04		4.58E-08
77	1	Subsurface	PAH, Total	mg/kg	7.02E-02	2.13E-07	2.01E-07	1.91E-11
77	1	Subsurface	PCB, Total	mg/kg	5.00E+00	1.52E-05	1.54E-05	1.36E-09
77	1	Subsurface	Thorium-230	pCi/g	1.03E+01	3.13E-05		2.81E-09
77	1	Subsurface	Uranium-238	pCi/g	1.53E+01	4.65E-05		4.17E-09
80	1	Subsurface	Uranium	mg/kg	9.80E+01	2.98E-04		2.67E-08
80	1	Subsurface	Dioxins/Furans, Total	mg/kg	8.82E-05	2.68E-10	5.82E-11	2.40E-14
80	1	Subsurface	PCB, Total	mg/kg	1.20E+02	3.65E-04	3.69E-04	3.27E-08
80	2	Subsurface	Antimony	mg/kg	7.57E+01	2.30E-04		2.06E-08
80	2	Subsurface	Arsenic	mg/kg	1.01E+01	3.06E-05	6.64E-06	2.74E-09
80	2	Subsurface	Chromium	mg/kg	1.65E+02	5.02E-04		4.50E-08
80	2	Subsurface	Cobalt	mg/kg	1.90E+01	5.78E-05		5.18E-09
80	2	Subsurface	Iron	mg/kg	3.52E+04	1.07E-01		9.58E-06
80	2	Subsurface	Manganese	mg/kg	1.20E+03	3.65E-03		3.27E-07
80	2	Subsurface	Uranium	mg/kg	5.72E+03	1.74E-02		1.56E-06
80	2	Subsurface	Vanadium	mg/kg	1.29E+02	3.92E-04		3.52E-08
80	2	Subsurface	PAH, Total	mg/kg	7.21E-01	2.19E-06	2.06E-06	1.97E-10
80	2	Subsurface	PCB, Total	mg/kg	1.26E+01	3.83E-05	3.88E-05	3.43E-09
80	2	Subsurface	Americium-241	pCi/g	6.40E+00	1.95E-05		1.74E-09
80	2	Subsurface	Cesium-137	pCi/g	8.40E-01	2.55E-06		2.29E-10
80	2	Subsurface	Neptunium-237	pCi/g	5.05E-01	1.54E-06		1.38E-10
80	2	Subsurface	Uranium-234	pCi/g	2.29E+02	6.96E-04		6.24E-08
80	2	Subsurface	Uranium-235	pCi/g	3.00E+01	9.12E-05		8.17E-09
80	2	Subsurface	Uranium-238	pCi/g	1.92E+03	5.84E-03		5.23E-07
80	3	Subsurface	Antimony	mg/kg	9.99E+01	3.04E-04		2.72E-08
80	3	Subsurface	Arsenic	mg/kg	1.04E+01	3.17E-05	6.89E-06	2.84E-09
80	3	Subsurface	Cadmium	mg/kg	1.84E+01	5.60E-05	4.05E-07	5.01E-09
80	3	Subsurface	Iron	mg/kg	3.41E+04	1.04E-01		9.29E-06
80	3	Subsurface	Manganese	mg/kg	1.00E+03	3.04E-03		2.73E-07
80	3	Subsurface	Mercury	mg/kg	7.98E+01	2.43E-04		2.17E-08
80	3	Subsurface	Molybdenum	mg/kg	3.56E+01	1.08E-04		9.69E-09
80	3	Subsurface	Uranium	mg/kg	7.32E+01	2.23E-04		2.00E-08
80	3	Subsurface	Vanadium	mg/kg	1.27E+02	3.85E-04		3.45E-08
80	3	Subsurface	PAH, Total	mg/kg	4.46E-01	1.36E-06	1.27E-06	1.22E-10
80	3	Subsurface	PCB, Total	mg/kg	5.68E+02	1.73E-03	1.75E-03	1.55E-07
80	3	Subsurface	Uranium-238	pCi/g	2.91E+00	8.85E-06		7.93E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.16. Cancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
13	1	Subsurface	Manganese	mg/kg	6.06E+02	6.58E-04		5.89E-05	
13	1	Subsurface	Vanadium	mg/kg	9.23E+01	1.00E-04		8.98E-06	
13	1	Subsurface	PCB, Total	mg/kg	9.42E+00	1.02E-05	1.04E-05	9.17E-07	
13	1	Subsurface	Uranium-238	pCi/g	1.20E+00	2.67E+03		7.18E-02	3.97E+00
13	10	Subsurface	Iron	mg/kg	3.80E+04	4.13E-02		3.70E-03	
13	10	Subsurface	Manganese	mg/kg	3.09E+03	3.35E-03		3.01E-04	
13	10	Subsurface	Silver	mg/kg	5.40E+01	5.86E-05		5.26E-06	
13	10	Subsurface	Vanadium	mg/kg	1.30E+02	1.41E-04		1.27E-05	
13	11	Subsurface	Manganese	mg/kg	7.58E+02	8.23E-04		7.37E-05	
13	11	Subsurface	Silver	mg/kg	1.03E+02	1.12E-04		1.00E-05	
13	11	Subsurface	Vanadium	mg/kg	1.14E+02	1.23E-04		1.10E-05	
13	11	Subsurface	PCB, Total	mg/kg	1.03E+01	1.12E-05	1.14E-05	1.01E-06	
13	12	Subsurface	Iron	mg/kg	2.30E+04	2.50E-02		2.24E-03	
13	12	Subsurface	Manganese	mg/kg	1.35E+03	1.47E-03		1.32E-04	
13	12	Subsurface	Silver	mg/kg	1.49E+02	1.62E-04		1.45E-05	
13	12	Subsurface	Vanadium	mg/kg	1.16E+02	1.26E-04		1.13E-05	
13	12	Subsurface	PCB, Total	mg/kg	1.03E+01	1.12E-05	1.13E-05	1.00E-06	
13	13	Subsurface	Iron	mg/kg	2.89E+04	3.14E-02		2.82E-03	
13	13	Subsurface	Manganese	mg/kg	1.13E+03	1.22E-03		1.10E-04	
13	13	Subsurface	Molybdenum	mg/kg	2.72E+01	2.95E-05		2.65E-06	
13	13	Subsurface	Vanadium	mg/kg	1.19E+02	1.29E-04		1.15E-05	
13	14	Subsurface	Manganese	mg/kg	5.56E+02	6.04E-04		5.41E-05	
13	14	Subsurface	Vanadium	mg/kg	1.22E+02	1.33E-04		1.19E-05	
13	14	Subsurface	PAH, Total	mg/kg	5.41E-01	5.88E-07	5.52E-07	5.27E-08	
13	14	Subsurface	PCB, Total	mg/kg	1.06E+01	1.15E-05	1.16E-05	1.03E-06	
13	14	Subsurface	Uranium-238	pCi/g	3.85E+00	8.54E+03		2.29E-01	1.30E+01
13	2	Subsurface	Arsenic	mg/kg	1.04E+01	1.13E-05	2.45E-06	1.01E-06	
13	2	Subsurface	Iron	mg/kg	2.47E+04	2.69E-02		2.41E-03	
13	2	Subsurface	Manganese	mg/kg	1.22E+03	1.33E-03		1.19E-04	
13	2	Subsurface	Vanadium	mg/kg	9.38E+01	1.02E-04		9.13E-06	
13	2	Subsurface	Uranium-238	pCi/g	9.95E-01	2.21E+03		5.94E-02	3.36E+00
13	3	Subsurface	Iron	mg/kg	2.63E+04	2.86E-02		2.56E-03	
13	3	Subsurface	Manganese	mg/kg	1.09E+03	1.19E-03		1.06E-04	
13	3	Subsurface	Molybdenum	mg/kg	2.18E+01	2.37E-05		2.13E-06	
13	3	Subsurface	Vanadium	mg/kg	9.88E+01	1.07E-04		9.61E-06	
13	3	Subsurface	PAH, Total	mg/kg	4.93E-01	5.35E-07	5.03E-07	4.80E-08	
13	4	Subsurface	Iron	mg/kg	2.75E+04	2.99E-02		2.67E-03	
13	4	Subsurface	Manganese	mg/kg	1.00E+03	1.09E-03		9.76E-05	
13	4	Subsurface	Vanadium	mg/kg	9.81E+01	1.07E-04		9.55E-06	
13	4	Subsurface	PAH, Total	mg/kg	5.59E-01	6.07E-07	5.71E-07	5.44E-08	
13	4	Subsurface	PCB, Total	mg/kg	1.09E+01	1.18E-05	1.20E-05	1.06E-06	
13	4	Subsurface	Cobalt-60	pCi/g	8.06E-02	5.26E+01		1.41E-03	8.00E-02
13	4	Subsurface	Uranium-238	pCi/g	3.27E+00	7.25E+03		1.95E-01	1.10E+01
13	5	Subsurface	Aluminum	mg/kg	9.74E+03	1.06E-02		9.48E-04	
13	5	Subsurface	Chromium	mg/kg	9.37E+01	1.02E-04		9.12E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.16. Cancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
13	5	Subsurface	Iron	mg/kg	2.42E+04	2.63E-02		2.36E-03	
13	5	Subsurface	Manganese	mg/kg	9.08E+02	9.87E-04		8.84E-05	
13	5	Subsurface	Uranium	mg/kg	7.38E+01	8.01E-05		7.18E-06	
13	5	Subsurface	Vanadium	mg/kg	1.06E+02	1.15E-04		1.03E-05	
13	5	Subsurface	PAH, Total	mg/kg	5.43E-01	5.90E-07	5.54E-07	5.28E-08	
13	5	Subsurface	PCB, Total	mg/kg	1.03E+01	1.12E-05	1.13E-05	1.00E-06	
13	5	Subsurface	Cesium-137	pCi/g	3.52E-01	5.94E+02		1.60E-02	9.05E-01
13	5	Subsurface	Neptunium-237	pCi/g	3.60E-01	7.99E+02		2.15E-02	1.22E+00
13	5	Subsurface	Technetium-99	pCi/g	9.19E+01	2.04E+05		5.49E+00	3.11E+02
13	5	Subsurface	Uranium-234	pCi/g	2.02E+01	4.48E+04		1.20E+00	6.81E+01
13	5	Subsurface	Uranium-235	pCi/g	2.73E+00	6.06E+03		1.63E-01	9.22E+00
13	5	Subsurface	Uranium-238	pCi/g	3.77E+01	8.38E+04		2.25E+00	1.27E+02
13	6	Subsurface	Cadmium	mg/kg	4.68E+00	5.09E-06	3.68E-08	4.56E-07	
13	6	Subsurface	Iron	mg/kg	3.09E+04	3.35E-02		3.01E-03	
13	6	Subsurface	Manganese	mg/kg	9.46E+02	1.03E-03		9.20E-05	
13	6	Subsurface	Uranium	mg/kg	3.67E+01	3.99E-05		3.57E-06	
13	6	Subsurface	Vanadium	mg/kg	1.20E+02	1.30E-04		1.17E-05	
13	6	Subsurface	PAH, Total	mg/kg	8.43E-01	9.16E-07	8.60E-07	8.20E-08	
13	6	Subsurface	PCB, Total	mg/kg	7.04E+00	7.64E-06	7.73E-06	6.85E-07	
13	6	Subsurface	Cesium-137	pCi/g	2.02E-01	3.41E+02		9.17E-03	5.19E-01
13	6	Subsurface	Neptunium-237	pCi/g	6.23E-01	1.38E+03		3.72E-02	2.11E+00
13	6	Subsurface	Technetium-99	pCi/g	8.38E+01	1.86E+05		5.00E+00	2.83E+02
13	6	Subsurface	Uranium-234	pCi/g	1.55E+01	3.44E+04		9.26E-01	5.24E+01
13	6	Subsurface	Uranium-235	pCi/g	1.16E+00	2.58E+03		6.93E-02	3.92E+00
13	6	Subsurface	Uranium-238	pCi/g	3.25E+01	7.21E+04		1.94E+00	1.10E+02
13	7	Subsurface	Iron	mg/kg	2.78E+04	3.02E-02		2.71E-03	
13	7	Subsurface	Silver	mg/kg	7.79E+01	8.46E-05		7.58E-06	
13	7	Subsurface	Vanadium	mg/kg	1.22E+02	1.32E-04		1.18E-05	
13	7	Subsurface	PCB, Total	mg/kg	1.08E+01	1.18E-05	1.19E-05	1.05E-06	
13	7	Subsurface	Uranium-238	pCi/g	3.69E+00	8.20E+03		2.20E-01	1.25E+01
13	8	Subsurface	Iron	mg/kg	2.41E+04	2.62E-02		2.35E-03	
13	8	Subsurface	Manganese	mg/kg	1.12E+03	1.22E-03		1.09E-04	
13	8	Subsurface	Vanadium	mg/kg	9.97E+01	1.08E-04		9.70E-06	
13	8	Subsurface	PAH, Total	mg/kg	5.39E-01	5.85E-07	5.50E-07	5.25E-08	
13	9	Subsurface	Arsenic	mg/kg	1.25E+01	1.35E-05	2.93E-06	1.21E-06	
13	9	Subsurface	Vanadium	mg/kg	1.17E+02	1.27E-04		1.13E-05	
13	9	Subsurface	PAH, Total	mg/kg	4.60E-01	5.00E-07	4.70E-07	4.48E-08	
13	9	Subsurface	Cesium-137	pCi/g	2.64E-01	4.46E+02		1.20E-02	6.78E-01
13	9	Subsurface	Neptunium-237	pCi/g	5.15E-01	1.14E+03		3.07E-02	1.74E+00
13	9	Subsurface	Uranium-238	pCi/g	3.78E+00	8.38E+03		2.25E-01	1.28E+01
15	1	Subsurface	Antimony	mg/kg	1.08E+02	1.18E-04		1.05E-05	
15	1	Subsurface	Arsenic	mg/kg	1.32E+01	1.43E-05	3.10E-06	1.28E-06	
15	1	Subsurface	Cadmium	mg/kg	2.72E+01	2.95E-05	2.13E-07	2.64E-06	
15	1	Subsurface	Chromium	mg/kg	8.29E+01	9.00E-05		8.07E-06	
15	1	Subsurface	Iron	mg/kg	2.97E+04	3.23E-02		2.89E-03	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.16. Cancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	1	Subsurface	Manganese	mg/kg	6.01E+02	6.53E-04		5.85E-05	
15	1	Subsurface	Nickel	mg/kg	1.39E+02	1.51E-04		1.35E-05	
15	1	Subsurface	Thallium	mg/kg	1.31E+01	1.42E-05		1.27E-06	
15	1	Subsurface	Uranium	mg/kg	3.23E+01	3.50E-05		3.14E-06	
15	1	Subsurface	Vanadium	mg/kg	8.40E+01	9.13E-05		8.18E-06	
15	1	Subsurface	PAH, Total	mg/kg	1.16E+00	1.26E-06	1.18E-06	1.13E-07	
15	1	Subsurface	Technetium-99	pCi/g	1.06E+02	2.36E+05		6.34E+00	3.59E+02
15	1	Subsurface	Uranium-238	pCi/g	1.30E+00	2.87E+03		7.73E-02	4.38E+00
15	10	Subsurface	Antimony	mg/kg	1.26E+02	1.37E-04		1.23E-05	
15	10	Subsurface	Arsenic	mg/kg	9.75E+00	1.06E-05	2.30E-06	9.49E-07	
15	10	Subsurface	Cadmium	mg/kg	1.67E+01	1.81E-05	1.31E-07	1.63E-06	
15	10	Subsurface	Chromium	mg/kg	6.29E+01	6.83E-05		6.12E-06	
15	10	Subsurface	Mercury	mg/kg	7.84E+00	8.52E-06		7.63E-07	
15	10	Subsurface	Nickel	mg/kg	2.26E+02	2.46E-04		2.20E-05	
15	10	Subsurface	Uranium	mg/kg	9.02E+01	9.79E-05		8.77E-06	
15	10	Subsurface	PAH, Total	mg/kg	1.28E-01	1.40E-07	1.31E-07	1.25E-08	
15	2	Subsurface	Aluminum	mg/kg	1.68E+04	1.82E-02		1.63E-03	
15	2	Subsurface	Antimony	mg/kg	1.08E+02	1.17E-04		1.05E-05	
15	2	Subsurface	Arsenic	mg/kg	1.63E+01	1.77E-05	3.83E-06	1.58E-06	
15	2	Subsurface	Cadmium	mg/kg	1.51E+01	1.64E-05	1.19E-07	1.47E-06	
15	2	Subsurface	Chromium	mg/kg	5.90E+01	6.41E-05		5.74E-06	
15	2	Subsurface	Iron	mg/kg	3.89E+04	4.22E-02		3.78E-03	
15	2	Subsurface	Manganese	mg/kg	1.37E+03	1.49E-03		1.33E-04	
15	2	Subsurface	Mercury	mg/kg	9.33E+00	1.01E-05		9.08E-07	
15	2	Subsurface	Nickel	mg/kg	3.75E+02	4.07E-04		3.65E-05	
15	2	Subsurface	Thallium	mg/kg	3.50E-01	3.80E-07		3.41E-08	
15	2	Subsurface	Uranium	mg/kg	1.32E+02	1.43E-04		1.28E-05	
15	2	Subsurface	Vanadium	mg/kg	9.38E+01	1.02E-04		9.13E-06	
15	2	Subsurface	PAH, Total	mg/kg	2.11E+00	2.29E-06	2.15E-06	2.05E-07	
15	2	Subsurface	PCB, Total	mg/kg	3.30E-01	3.58E-07	3.63E-07	3.21E-08	
15	2	Subsurface	Neptunium-237	pCi/g	5.56E-01	1.23E+03		3.32E-02	1.88E+00
15	2	Subsurface	Uranium-234	pCi/g	6.51E+00	1.45E+04		3.88E-01	2.20E+01
15	2	Subsurface	Uranium-235	pCi/g	3.80E-01	8.44E+02		2.27E-02	1.28E+00
15	2	Subsurface	Uranium-238	pCi/g	1.21E+01	2.69E+04		7.22E-01	4.09E+01
15	3	Subsurface	Antimony	mg/kg	1.15E+02	1.25E-04		1.12E-05	
15	3	Subsurface	Arsenic	mg/kg	3.65E+01	3.97E-05	8.60E-06	3.55E-06	
15	3	Subsurface	Cadmium	mg/kg	1.89E+01	2.06E-05	1.49E-07	1.84E-06	
15	3	Subsurface	Chromium	mg/kg	8.13E+01	8.83E-05		7.91E-06	
15	3	Subsurface	Cobalt	mg/kg	2.37E+01	2.57E-05		2.31E-06	
15	3	Subsurface	Copper	mg/kg	1.60E+03	1.74E-03		1.56E-04	
15	3	Subsurface	Iron	mg/kg	9.52E+04	1.03E-01		9.26E-03	
15	3	Subsurface	Manganese	mg/kg	1.62E+03	1.76E-03		1.57E-04	
15	3	Subsurface	Mercury	mg/kg	2.08E+01	2.26E-05		2.03E-06	
15	3	Subsurface	Nickel	mg/kg	8.38E+02	9.10E-04		8.15E-05	
15	3	Subsurface	Thallium	mg/kg	1.64E+01	1.78E-05		1.59E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.16. Cancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	3	Subsurface	Uranium	mg/kg	2.16E+02	2.35E-04		2.10E-05	
15	3	Subsurface	Vanadium	mg/kg	7.72E+01	8.39E-05		7.51E-06	
15	3	Subsurface	PAH, Total	mg/kg	9.85E-01	1.07E-06	1.01E-06	9.59E-08	
15	3	Subsurface	PCB, Total	mg/kg	1.40E+01	1.52E-05	1.53E-05	1.36E-06	
15	3	Subsurface	Neptunium-237	pCi/g	4.06E+00	9.02E+03		2.42E-01	1.37E+01
15	3	Subsurface	Technetium-99	pCi/g	2.08E+02	4.63E+05		1.24E+01	7.04E+02
15	3	Subsurface	Thorium-230	pCi/g	4.61E+00	1.02E+04		2.75E-01	1.56E+01
15	3	Subsurface	Uranium-234	pCi/g	1.91E+02	4.23E+05		1.14E+01	6.44E+02
15	3	Subsurface	Uranium-235	pCi/g	2.15E+01	4.77E+04		1.28E+00	7.26E+01
15	3	Subsurface	Uranium-238	pCi/g	1.08E+03	2.39E+06		6.42E+01	3.64E+03
15	4	Subsurface	Antimony	mg/kg	9.30E+01	1.01E-04		9.05E-06	
15	4	Subsurface	Arsenic	mg/kg	3.37E+01	3.66E-05	7.93E-06	3.28E-06	
15	4	Subsurface	Cadmium	mg/kg	1.34E+01	1.46E-05	1.06E-07	1.31E-06	
15	4	Subsurface	Chromium	mg/kg	8.55E+01	9.29E-05		8.32E-06	
15	4	Subsurface	Copper	mg/kg	6.00E+02	6.51E-04		5.84E-05	
15	4	Subsurface	Iron	mg/kg	6.97E+04	7.57E-02		6.78E-03	
15	4	Subsurface	Manganese	mg/kg	1.29E+03	1.40E-03		1.25E-04	
15	4	Subsurface	Mercury	mg/kg	5.08E+01	5.52E-05		4.94E-06	
15	4	Subsurface	Nickel	mg/kg	1.24E+03	1.35E-03		1.21E-04	
15	4	Subsurface	Thallium	mg/kg	2.06E+01	2.24E-05		2.01E-06	
15	4	Subsurface	Uranium	mg/kg	1.29E+02	1.40E-04		1.26E-05	
15	4	Subsurface	Vanadium	mg/kg	7.58E+01	8.23E-05		7.38E-06	
15	4	Subsurface	PAH, Total	mg/kg	1.25E+00	1.35E-06	1.27E-06	1.21E-07	
15	4	Subsurface	PCB, Total	mg/kg	3.13E+01	3.40E-05	3.44E-05	3.05E-06	
15	4	Subsurface	Neptunium-237	pCi/g	4.33E-01	9.61E+02		2.58E-02	1.46E+00
15	4	Subsurface	Uranium-234	pCi/g	5.74E+00	1.27E+04		3.43E-01	1.94E+01
15	4	Subsurface	Uranium-235	pCi/g	2.69E-01	5.97E+02		1.61E-02	9.09E-01
15	4	Subsurface	Uranium-238	pCi/g	9.63E+00	2.14E+04		5.75E-01	3.25E+01
15	5	Subsurface	Aluminum	mg/kg	9.61E+03	1.04E-02		9.35E-04	
15	5	Subsurface	Antimony	mg/kg	1.22E+02	1.33E-04		1.19E-05	
15	5	Subsurface	Arsenic	mg/kg	1.33E+01	1.44E-05	3.13E-06	1.29E-06	
15	5	Subsurface	Cadmium	mg/kg	1.80E+01	1.96E-05	1.42E-07	1.76E-06	
15	5	Subsurface	Chromium	mg/kg	6.58E+01	7.15E-05		6.41E-06	
15	5	Subsurface	Copper	mg/kg	5.63E+03	6.12E-03		5.48E-04	
15	5	Subsurface	Iron	mg/kg	2.31E+04	2.50E-02		2.24E-03	
15	5	Subsurface	Manganese	mg/kg	7.28E+02	7.91E-04		7.08E-05	
15	5	Subsurface	Mercury	mg/kg	1.96E+01	2.13E-05		1.91E-06	
15	5	Subsurface	Nickel	mg/kg	3.48E+02	3.78E-04		3.39E-05	
15	5	Subsurface	Uranium	mg/kg	1.74E+02	1.88E-04		1.69E-05	
15	5	Subsurface	Zinc	mg/kg	1.53E+03	1.66E-03		1.48E-04	
15	5	Subsurface	PAH, Total	mg/kg	3.31E-01	3.60E-07	3.38E-07	3.22E-08	
15	5	Subsurface	PCB, Total	mg/kg	4.64E+01	5.04E-05	5.10E-05	4.51E-06	
15	5	Subsurface	Neptunium-237	pCi/g	5.30E-01	1.18E+03		3.16E-02	1.79E+00
15	5	Subsurface	Uranium-235	pCi/g	3.62E-01	8.04E+02		2.16E-02	1.22E+00
15	5	Subsurface	Uranium-238	pCi/g	8.14E+00	1.81E+04		4.86E-01	2.75E+01

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.16. Cancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	6	Subsurface	Antimony	mg/kg	9.94E+01	1.08E-04		9.67E-06	
15	6	Subsurface	Arsenic	mg/kg	1.20E+01	1.31E-05	2.83E-06	1.17E-06	
15	6	Subsurface	Cadmium	mg/kg	2.50E+01	2.72E-05	1.97E-07	2.44E-06	
15	6	Subsurface	Chromium	mg/kg	7.97E+01	8.65E-05		7.75E-06	
15	6	Subsurface	Cobalt	mg/kg	1.13E+01	1.23E-05		1.10E-06	
15	6	Subsurface	Copper	mg/kg	4.28E+02	4.65E-04		4.17E-05	
15	6	Subsurface	Iron	mg/kg	3.29E+04	3.57E-02		3.20E-03	
15	6	Subsurface	Manganese	mg/kg	6.96E+02	7.56E-04		6.78E-05	
15	6	Subsurface	Mercury	mg/kg	1.87E+01	2.03E-05		1.82E-06	
15	6	Subsurface	Nickel	mg/kg	3.00E+02	3.26E-04		2.92E-05	
15	6	Subsurface	Uranium	mg/kg	6.26E+01	6.80E-05		6.09E-06	
15	6	Subsurface	PAH, Total	mg/kg	1.25E+00	1.36E-06	1.27E-06	1.22E-07	
15	6	Subsurface	PCB, Total	mg/kg	6.17E+00	6.70E-06	6.78E-06	6.00E-07	
15	6	Subsurface	Neptunium-237	pCi/g	4.93E-01	1.09E+03		2.94E-02	1.67E+00
15	6	Subsurface	Uranium-234	pCi/g	6.91E+00	1.53E+04		4.13E-01	2.34E+01
15	6	Subsurface	Uranium-235	pCi/g	4.48E-01	9.95E+02		2.67E-02	1.51E+00
15	6	Subsurface	Uranium-238	pCi/g	1.21E+01	2.68E+04		7.19E-01	4.07E+01
15	7	Subsurface	Aluminum	mg/kg	1.13E+04	1.22E-02		1.10E-03	
15	7	Subsurface	Antimony	mg/kg	1.41E+02	1.54E-04		1.38E-05	
15	7	Subsurface	Arsenic	mg/kg	1.61E+01	1.75E-05	3.80E-06	1.57E-06	
15	7	Subsurface	Cadmium	mg/kg	2.78E+01	3.02E-05	2.18E-07	2.70E-06	
15	7	Subsurface	Chromium	mg/kg	6.54E+01	7.10E-05		6.37E-06	
15	7	Subsurface	Copper	mg/kg	6.02E+02	6.54E-04		5.86E-05	
15	7	Subsurface	Iron	mg/kg	3.45E+04	3.74E-02		3.35E-03	
15	7	Subsurface	Manganese	mg/kg	1.17E+03	1.27E-03		1.14E-04	
15	7	Subsurface	Nickel	mg/kg	5.59E+02	6.07E-04		5.44E-05	
15	7	Subsurface	Uranium	mg/kg	5.34E+01	5.80E-05		5.20E-06	
15	7	Subsurface	PAH, Total	mg/kg	1.24E-01	1.35E-07	1.27E-07	1.21E-08	
15	7	Subsurface	PCB, Total	mg/kg	2.55E+01	2.77E-05	2.81E-05	2.49E-06	
15	7	Subsurface	Uranium-234	pCi/g	4.27E+00	9.49E+03		2.55E-01	1.44E+01
15	7	Subsurface	Uranium-235	pCi/g	2.96E-01	6.57E+02		1.77E-02	1.00E+00
15	7	Subsurface	Uranium-238	pCi/g	6.39E+00	1.42E+04		3.81E-01	2.16E+01
15	8	Subsurface	Antimony	mg/kg	9.93E+01	1.08E-04		9.67E-06	
15	8	Subsurface	Arsenic	mg/kg	1.14E+01	1.24E-05	2.69E-06	1.11E-06	
15	8	Subsurface	Cadmium	mg/kg	1.68E+01	1.83E-05	1.32E-07	1.64E-06	
15	8	Subsurface	Chromium	mg/kg	7.53E+01	8.18E-05		7.33E-06	
15	8	Subsurface	Iron	mg/kg	2.83E+04	3.07E-02		2.75E-03	
15	8	Subsurface	Manganese	mg/kg	6.03E+02	6.55E-04		5.87E-05	
15	8	Subsurface	Mercury	mg/kg	1.73E+01	1.88E-05		1.69E-06	
15	8	Subsurface	Nickel	mg/kg	1.82E+02	1.98E-04		1.77E-05	
15	8	Subsurface	Uranium	mg/kg	4.46E+01	4.84E-05		4.34E-06	
15	8	Subsurface	PAH, Total	mg/kg	2.80E-01	3.04E-07	2.86E-07	2.72E-08	
15	8	Subsurface	PCB, Total	mg/kg	6.29E+00	6.83E-06	6.91E-06	6.12E-07	
15	8	Subsurface	Neptunium-237	pCi/g	2.83E-01	6.28E+02		1.69E-02	9.56E-01
15	8	Subsurface	Uranium-238	pCi/g	4.52E+00	1.00E+04		2.70E-01	1.53E+01

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.16. Cancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	9	Subsurface	Antimony	mg/kg	1.22E+02	1.33E-04		1.19E-05	
15	9	Subsurface	Arsenic	mg/kg	1.31E+01	1.42E-05	3.08E-06	1.27E-06	
15	9	Subsurface	Cadmium	mg/kg	2.81E+01	3.05E-05	2.20E-07	2.73E-06	
15	9	Subsurface	Chromium	mg/kg	8.92E+01	9.69E-05		8.68E-06	
15	9	Subsurface	Iron	mg/kg	3.02E+04	3.28E-02		2.94E-03	
15	9	Subsurface	Manganese	mg/kg	1.57E+03	1.70E-03		1.52E-04	
15	9	Subsurface	Mercury	mg/kg	1.74E+01	1.89E-05		1.69E-06	
15	9	Subsurface	Nickel	mg/kg	1.49E+02	1.62E-04		1.45E-05	
15	9	Subsurface	Uranium	mg/kg	3.07E+01	3.33E-05		2.98E-06	
15	9	Subsurface	Vanadium	mg/kg	7.33E+01	7.96E-05		7.13E-06	
15	9	Subsurface	PAH, Total	mg/kg	1.85E-01	2.01E-07	1.89E-07	1.80E-08	
15	9	Subsurface	PCB, Total	mg/kg	6.51E+00	7.07E-06	7.15E-06	6.33E-07	
15	9	Subsurface	Uranium-238	pCi/g	4.68E+00	1.04E+04		2.79E-01	1.58E+01
204	1	Subsurface	Aluminum	mg/kg	1.18E+04	1.28E-02		1.15E-03	
204	1	Subsurface	Manganese	mg/kg	6.80E+02	7.38E-04		6.61E-05	
204	1	Subsurface	Vanadium	mg/kg	1.21E+02	1.31E-04		1.17E-05	
204	1	Subsurface	PAH, Total	mg/kg	4.93E-01	5.35E-07	5.03E-07	4.80E-08	
204	1	Subsurface	Uranium-238	pCi/g	1.37E+00	3.03E+03		8.15E-02	4.62E+00
204	10	Subsurface	Antimony	mg/kg	1.20E+01	1.30E-05		1.17E-06	
204	10	Subsurface	Iron	mg/kg	4.10E+04	4.45E-02		3.99E-03	
204	10	Subsurface	Vanadium	mg/kg	1.33E+02	1.44E-04		1.29E-05	
204	10	Subsurface	PAH, Total	mg/kg	6.42E-02	6.97E-08	6.55E-08	6.25E-09	
204	10	Subsurface	Cesium-137	pCi/g	2.83E-01	4.78E+02		1.28E-02	7.27E-01
204	10	Subsurface	Uranium-238	pCi/g	3.15E+00	6.99E+03		1.88E-01	1.06E+01
204	11	Subsurface	Arsenic	mg/kg	8.80E+00	9.56E-06	2.07E-06	8.56E-07	
204	11	Subsurface	Iron	mg/kg	3.14E+04	3.41E-02		3.05E-03	
204	11	Subsurface	Manganese	mg/kg	9.85E+02	1.07E-03		9.59E-05	
204	11	Subsurface	Vanadium	mg/kg	1.46E+02	1.59E-04		1.42E-05	
204	11	Subsurface	PAH, Total	mg/kg	1.09E-01	1.19E-07	1.12E-07	1.06E-08	
204	11	Subsurface	Uranium-238	pCi/g	3.09E+00	6.86E+03		1.84E-01	1.04E+01
204	12	Subsurface	Arsenic	mg/kg	9.80E+00	1.06E-05	2.31E-06	9.54E-07	
204	12	Subsurface	Iron	mg/kg	2.86E+04	3.11E-02		2.78E-03	
204	12	Subsurface	Manganese	mg/kg	2.12E+03	2.30E-03		2.06E-04	
204	12	Subsurface	Vanadium	mg/kg	1.44E+02	1.56E-04		1.40E-05	
204	12	Subsurface	PAH, Total	mg/kg	6.43E-02	6.98E-08	6.56E-08	6.26E-09	
204	12	Subsurface	Cesium-137	pCi/g	2.93E-01	4.95E+02		1.33E-02	7.53E-01
204	12	Subsurface	Uranium-238	pCi/g	3.26E+00	7.24E+03		1.95E-01	1.10E+01
204	13	Subsurface	Arsenic	mg/kg	8.60E+00	9.34E-06	2.03E-06	8.37E-07	
204	13	Subsurface	Manganese	mg/kg	1.04E+03	1.13E-03		1.01E-04	
204	13	Subsurface	Vanadium	mg/kg	1.45E+02	1.57E-04		1.41E-05	
204	13	Subsurface	PAH, Total	mg/kg	5.05E-01	5.48E-07	5.15E-07	4.91E-08	
204	13	Subsurface	Cesium-137	pCi/g	2.89E-01	4.88E+02		1.31E-02	7.43E-01
204	13	Subsurface	Uranium-238	pCi/g	2.98E+00	6.62E+03		1.78E-01	1.01E+01
204	14	Subsurface	Arsenic	mg/kg	1.36E+02	1.48E-04	3.20E-05	1.32E-05	
204	14	Subsurface	Iron	mg/kg	3.52E+04	3.82E-02		3.42E-03	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.16. Cancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
204	14	Subsurface	Manganese	mg/kg	8.21E+02	8.92E-04		7.99E-05	
204	14	Subsurface	Uranium	mg/kg	1.34E+02	1.46E-04		1.30E-05	
204	14	Subsurface	Vanadium	mg/kg	1.43E+02	1.55E-04		1.39E-05	
204	14	Subsurface	PAH, Total	mg/kg	1.28E-01	1.39E-07	1.30E-07	1.24E-08	
204	14	Subsurface	Uranium-238	pCi/g	4.25E+00	9.43E+03		2.54E-01	1.44E+01
204	15	Subsurface	Iron	mg/kg	4.59E+04	4.98E-02		4.47E-03	
204	15	Subsurface	Manganese	mg/kg	8.78E+02	9.54E-04		8.54E-05	
204	15	Subsurface	Vanadium	mg/kg	1.36E+02	1.48E-04		1.32E-05	
204	15	Subsurface	PAH, Total	mg/kg	1.89E-01	2.05E-07	1.92E-07	1.83E-08	
204	15	Subsurface	Cesium-137	pCi/g	6.30E-01	1.06E+03		2.86E-02	1.62E+00
204	15	Subsurface	Uranium-238	pCi/g	5.37E+00	1.19E+04		3.20E-01	1.81E+01
204	16	Subsurface	Arsenic	mg/kg	8.20E+00	8.91E-06	1.93E-06	7.98E-07	
204	16	Subsurface	Iron	mg/kg	2.89E+04	3.14E-02		2.82E-03	
204	16	Subsurface	Manganese	mg/kg	1.80E+03	1.95E-03		1.75E-04	
204	16	Subsurface	Silver	mg/kg	5.10E+01	5.54E-05		4.96E-06	
204	16	Subsurface	Vanadium	mg/kg	1.22E+02	1.33E-04		1.19E-05	
204	16	Subsurface	PAH, Total	mg/kg	2.61E-02	2.83E-08	2.66E-08	2.54E-09	
204	17	Subsurface	Arsenic	mg/kg	9.60E+00	1.04E-05	2.26E-06	9.34E-07	
204	17	Subsurface	Iron	mg/kg	2.98E+04	3.24E-02		2.90E-03	
204	17	Subsurface	Manganese	mg/kg	8.33E+02	9.05E-04		8.11E-05	
204	17	Subsurface	Vanadium	mg/kg	1.22E+02	1.33E-04		1.19E-05	
204	17	Subsurface	PAH, Total	mg/kg	1.49E-01	1.61E-07	1.52E-07	1.45E-08	
204	17	Subsurface	Uranium-238	pCi/g	2.50E+00	5.55E+03		1.49E-01	8.45E+00
204	18	Subsurface	Iron	mg/kg	3.35E+04	3.64E-02		3.26E-03	
204	18	Subsurface	Manganese	mg/kg	1.07E+03	1.16E-03		1.04E-04	
204	18	Subsurface	Silver	mg/kg	8.90E+01	9.67E-05		8.66E-06	
204	18	Subsurface	Uranium	mg/kg	1.09E+02	1.18E-04		1.06E-05	
204	18	Subsurface	Vanadium	mg/kg	1.51E+02	1.64E-04		1.47E-05	
204	18	Subsurface	PAH, Total	mg/kg	2.13E-02	2.31E-08	2.17E-08	2.07E-09	
204	18	Subsurface	Uranium-238	pCi/g	1.81E+00	4.02E+03		1.08E-01	6.12E+00
204	19	Subsurface	Arsenic	mg/kg	1.20E+01	1.30E-05	2.83E-06	1.17E-06	
204	19	Subsurface	Manganese	mg/kg	1.30E+03	1.41E-03		1.27E-04	
204	19	Subsurface	Silver	mg/kg	5.50E+01	5.97E-05		5.35E-06	
204	19	Subsurface	Uranium	mg/kg	8.50E+01	9.23E-05		8.27E-06	
204	19	Subsurface	Vanadium	mg/kg	1.21E+02	1.31E-04		1.18E-05	
204	19	Subsurface	PAH, Total	mg/kg	1.30E-01	1.41E-07	1.32E-07	1.26E-08	
204	19	Subsurface	Uranium-238	pCi/g	2.65E+00	5.88E+03		1.58E-01	8.95E+00
204	2	Subsurface	Arsenic	mg/kg	4.59E+01	4.99E-05	1.08E-05	4.47E-06	
204	2	Subsurface	Iron	mg/kg	2.69E+04	2.92E-02		2.61E-03	
204	2	Subsurface	Manganese	mg/kg	8.34E+02	9.06E-04		8.12E-05	
204	2	Subsurface	Vanadium	mg/kg	1.21E+02	1.32E-04		1.18E-05	
204	2	Subsurface	PAH, Total	mg/kg	4.93E-02	5.35E-08	5.03E-08	4.80E-09	
204	2	Subsurface	Uranium-238	pCi/g	2.85E+00	6.32E+03		1.70E-01	9.62E+00
204	20	Subsurface	Arsenic	mg/kg	1.40E+01	1.52E-05	3.30E-06	1.36E-06	
204	20	Subsurface	Chromium	mg/kg	1.75E+02	1.90E-04		1.70E-05	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.16. Cancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
204	20	Subsurface	Cobalt	mg/kg	1.30E+01	1.41E-05		1.27E-06	
204	20	Subsurface	Iron	mg/kg	4.60E+04	5.00E-02		4.48E-03	
204	20	Subsurface	Manganese	mg/kg	8.39E+02	9.11E-04		8.17E-05	
204	20	Subsurface	Silver	mg/kg	4.70E+01	5.10E-05		4.57E-06	
204	20	Subsurface	Uranium	mg/kg	1.31E+04	1.42E-02		1.27E-03	
204	20	Subsurface	Vanadium	mg/kg	1.14E+02	1.24E-04		1.11E-05	
204	20	Subsurface	PCB, Total	mg/kg	7.90E+01	8.58E-05	8.68E-05	7.69E-06	
204	20	Subsurface	Americium-241	pCi/g	3.71E+00	8.07E+03		2.17E-01	1.23E+01
204	20	Subsurface	Cesium-137	pCi/g	1.17E+00	1.98E+03		5.32E-02	3.01E+00
204	20	Subsurface	Protactinium-231	pCi/g	3.65E+01	8.09E+04		2.18E+00	1.23E+02
204	20	Subsurface	Uranium-234	pCi/g	4.45E+02	9.88E+05		2.66E+01	1.50E+03
204	20	Subsurface	Uranium-235	pCi/g	5.70E+01	1.27E+05		3.40E+00	1.93E+02
204	20	Subsurface	Uranium-238	pCi/g	4.39E+03	9.74E+06		2.62E+02	1.48E+04
204	21	Subsurface	Arsenic	mg/kg	8.60E+00	9.34E-06	2.03E-06	8.37E-07	
204	21	Subsurface	Cobalt	mg/kg	1.80E+01	1.95E-05		1.75E-06	
204	21	Subsurface	Manganese	mg/kg	1.13E+03	1.23E-03		1.10E-04	
204	21	Subsurface	Vanadium	mg/kg	1.20E+02	1.30E-04		1.17E-05	
204	21	Subsurface	PAH, Total	mg/kg	1.62E-02	1.76E-08	1.66E-08	1.58E-09	
204	3	Subsurface	Arsenic	mg/kg	1.10E+01	1.19E-05	2.59E-06	1.07E-06	
204	3	Subsurface	Manganese	mg/kg	1.05E+03	1.14E-03		1.03E-04	
204	3	Subsurface	Silver	mg/kg	5.40E+01	5.86E-05		5.26E-06	
204	3	Subsurface	Vanadium	mg/kg	1.22E+02	1.33E-04		1.19E-05	
204	3	Subsurface	PAH, Total	mg/kg	3.52E-02	3.82E-08	3.59E-08	3.43E-09	
204	3	Subsurface	Uranium-238	pCi/g	2.31E+00	5.13E+03		1.38E-01	7.81E+00
204	4	Subsurface	Arsenic	mg/kg	1.10E+01	1.19E-05	2.59E-06	1.07E-06	
204	4	Subsurface	Iron	mg/kg	2.92E+04	3.17E-02		2.84E-03	
204	4	Subsurface	Manganese	mg/kg	8.97E+02	9.74E-04		8.73E-05	
204	4	Subsurface	Molybdenum	mg/kg	4.10E+01	4.45E-05		3.99E-06	
204	4	Subsurface	Silver	mg/kg	5.90E+01	6.41E-05		5.74E-06	
204	4	Subsurface	Vanadium	mg/kg	1.39E+02	1.51E-04		1.35E-05	
204	4	Subsurface	PAH, Total	mg/kg	2.33E-02	2.53E-08	2.38E-08	2.27E-09	
204	4	Subsurface	Uranium-238	pCi/g	1.82E+00	4.04E+03		1.09E-01	6.15E+00
204	5	Subsurface	Arsenic	mg/kg	5.67E+01	6.16E-05	1.34E-05	5.52E-06	
204	5	Subsurface	Cobalt	mg/kg	1.04E+01	1.13E-05		1.01E-06	
204	5	Subsurface	Manganese	mg/kg	9.75E+02	1.06E-03		9.49E-05	
204	5	Subsurface	Vanadium	mg/kg	1.21E+02	1.32E-04		1.18E-05	
204	5	Subsurface	PAH, Total	mg/kg	1.66E-02	1.80E-08	1.69E-08	1.62E-09	
204	5	Subsurface	Uranium-238	pCi/g	6.60E+00	1.46E+04		3.94E-01	2.23E+01
204	6	Subsurface	Arsenic	mg/kg	1.00E+01	1.09E-05	2.36E-06	9.73E-07	
204	6	Subsurface	Iron	mg/kg	3.17E+04	3.44E-02		3.09E-03	
204	6	Subsurface	Manganese	mg/kg	2.65E+03	2.88E-03		2.58E-04	
204	6	Subsurface	Vanadium	mg/kg	1.25E+02	1.36E-04		1.22E-05	
204	6	Subsurface	PAH, Total	mg/kg	3.25E-02	3.53E-08	3.32E-08	3.16E-09	
204	6	Subsurface	Uranium-238	pCi/g	3.63E+00	8.06E+03		2.17E-01	1.23E+01
204	7	Subsurface	Arsenic	mg/kg	1.70E+01	1.85E-05	4.00E-06	1.65E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.16. Cancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
204	7	Subsurface	Cobalt	mg/kg	1.50E+01	1.63E-05		1.46E-06	
204	7	Subsurface	Iron	mg/kg	2.95E+04	3.20E-02		2.87E-03	
204	7	Subsurface	Manganese	mg/kg	2.80E+03	3.04E-03		2.72E-04	
204	7	Subsurface	Vanadium	mg/kg	1.27E+02	1.38E-04		1.24E-05	
204	7	Subsurface	PAH, Total	mg/kg	9.68E-03	1.05E-08	9.88E-09	9.42E-10	
204	7	Subsurface	Uranium-238	pCi/g	2.04E+00	4.53E+03		1.22E-01	6.89E+00
204	8	Subsurface	Arsenic	mg/kg	8.40E+00	9.12E-06	1.98E-06	8.17E-07	
204	8	Subsurface	Cobalt	mg/kg	1.40E+01	1.52E-05		1.36E-06	
204	8	Subsurface	Iron	mg/kg	3.09E+04	3.36E-02		3.01E-03	
204	8	Subsurface	Manganese	mg/kg	1.39E+03	1.50E-03		1.35E-04	
204	8	Subsurface	Vanadium	mg/kg	1.32E+02	1.43E-04		1.28E-05	
204	8	Subsurface	PAH, Total	mg/kg	7.37E-02	8.00E-08	7.52E-08	7.17E-09	
204	8	Subsurface	Uranium-238	pCi/g	2.01E+00	4.46E+03		1.20E-01	6.79E+00
204	9	Subsurface	Arsenic	mg/kg	8.40E+00	9.12E-06	1.98E-06	8.17E-07	
204	9	Subsurface	Iron	mg/kg	3.06E+04	3.32E-02		2.98E-03	
204	9	Subsurface	Manganese	mg/kg	9.10E+02	9.88E-04		8.86E-05	
204	9	Subsurface	Vanadium	mg/kg	1.37E+02	1.49E-04		1.33E-05	
204	9	Subsurface	PAH, Total	mg/kg	5.01E+00	5.44E-06	5.11E-06	4.88E-07	
204	9	Subsurface	Uranium-238	pCi/g	2.22E+00	4.93E+03		1.32E-01	7.50E+00
211	1	Subsurface	Antimony	mg/kg	9.74E+01	1.06E-04		9.48E-06	
211	1	Subsurface	Arsenic	mg/kg	1.00E+01	1.09E-05	2.36E-06	9.73E-07	
211	1	Subsurface	Cadmium	mg/kg	1.42E+01	1.54E-05	1.11E-07	1.38E-06	
211	1	Subsurface	Chromium	mg/kg	4.84E+01	5.26E-05		4.71E-06	
211	1	Subsurface	Cobalt	mg/kg	4.95E+01	5.38E-05		4.82E-06	
211	1	Subsurface	Iron	mg/kg	4.71E+04	5.12E-02		4.59E-03	
211	1	Subsurface	Thallium	mg/kg	6.02E-01	6.54E-07		5.86E-08	
211	1	Subsurface	Uranium	mg/kg	4.85E+01	5.27E-05		4.72E-06	
211	1	Subsurface	Vanadium	mg/kg	1.03E+02	1.12E-04		1.00E-05	
211	1	Subsurface	PAH, Total	mg/kg	1.04E-01	1.13E-07	1.06E-07	1.01E-08	
211	1	Subsurface	PCB, Total	mg/kg	1.00E+01	1.09E-05	1.10E-05	9.73E-07	
211	1	Subsurface	Uranium-234	pCi/g	6.69E+01	1.49E+05		3.99E+00	2.26E+02
211	1	Subsurface	Uranium-235	pCi/g	3.86E+00	8.57E+03		2.30E-01	1.30E+01
211	1	Subsurface	Uranium-238	pCi/g	1.19E+02	2.64E+05		7.10E+00	4.02E+02
224	1	Subsurface	Antimony	mg/kg	1.08E+02	1.17E-04		1.05E-05	
224	1	Subsurface	Arsenic	mg/kg	1.00E+01	1.09E-05	2.36E-06	9.73E-07	
224	1	Subsurface	Chromium	mg/kg	6.50E+01	7.06E-05		6.33E-06	
224	1	Subsurface	Uranium	mg/kg	4.15E+01	4.51E-05		4.04E-06	
224	1	Subsurface	PAH, Total	mg/kg	5.95E-01	6.47E-07	6.08E-07	5.80E-08	
224	1	Subsurface	Cesium-137	pCi/g	3.70E-01	6.25E+02		1.68E-02	9.51E-01
224	1	Subsurface	Uranium-238	pCi/g	1.39E+01	3.09E+04		8.30E-01	4.70E+01
225	1	Subsurface	Antimony	mg/kg	5.41E+01	5.88E-05		5.27E-06	
225	1	Subsurface	Arsenic	mg/kg	8.10E+00	8.80E-06	1.91E-06	7.88E-07	
225	1	Subsurface	Manganese	mg/kg	8.55E+02	9.28E-04		8.32E-05	
225	1	Subsurface	Vanadium	mg/kg	1.09E+02	1.18E-04		1.06E-05	
225	1	Subsurface	PAH, Total	mg/kg	7.79E-02	8.46E-08	7.95E-08	7.58E-09	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.16. Cancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
225	1	Subsurface	Cesium-137	pCi/g	4.17E-01	7.04E+02		1.89E-02	1.07E+00
225	1	Subsurface	Uranium-238	pCi/g	2.04E+00	4.53E+03		1.22E-01	6.89E+00
26	1	Subsurface	Aluminum	mg/kg	1.25E+04	1.36E-02		1.22E-03	
26	1	Subsurface	Antimony	mg/kg	7.32E+01	7.95E-05		7.12E-06	
26	1	Subsurface	Arsenic	mg/kg	1.01E+01	1.10E-05	2.39E-06	9.86E-07	
26	1	Subsurface	Beryllium	mg/kg	1.57E+01	1.71E-05		1.53E-06	
26	1	Subsurface	Cadmium	mg/kg	1.03E+01	1.12E-05	8.12E-08	1.01E-06	
26	1	Subsurface	Cobalt	mg/kg	1.17E+01	1.27E-05		1.14E-06	
26	1	Subsurface	Iron	mg/kg	2.93E+04	3.18E-02		2.85E-03	
26	1	Subsurface	Manganese	mg/kg	8.52E+02	9.25E-04		8.29E-05	
26	1	Subsurface	Mercury	mg/kg	5.65E+01	6.13E-05		5.50E-06	
26	1	Subsurface	Nickel	mg/kg	1.21E+02	1.32E-04		1.18E-05	
26	1	Subsurface	Thallium	mg/kg	2.59E-01	2.81E-07		2.52E-08	
26	1	Subsurface	Uranium	mg/kg	6.70E+02	7.28E-04		6.52E-05	
26	1	Subsurface	Vanadium	mg/kg	1.61E+02	1.75E-04		1.57E-05	
26	1	Subsurface	PAH, Total	mg/kg	2.97E-01	3.23E-07	3.03E-07	2.89E-08	
26	1	Subsurface	PCB, Total	mg/kg	6.35E+00	6.89E-06	6.98E-06	6.18E-07	
26	1	Subsurface	Uranium-234	pCi/g	8.04E+00	1.79E+04		4.80E-01	2.72E+01
26	1	Subsurface	Uranium-235	pCi/g	1.27E+00	2.81E+03		7.56E-02	4.28E+00
26	1	Subsurface	Uranium-238	pCi/g	6.95E+01	1.54E+05		4.15E+00	2.35E+02
26	2	Subsurface	Aluminum	mg/kg	2.50E+04	2.72E-02		2.44E-03	
26	2	Subsurface	Antimony	mg/kg	2.73E+02	2.97E-04		2.66E-05	
26	2	Subsurface	Arsenic	mg/kg	4.78E+01	5.19E-05	1.13E-05	4.65E-06	
26	2	Subsurface	Beryllium	mg/kg	1.54E+01	1.67E-05		1.50E-06	
26	2	Subsurface	Cadmium	mg/kg	1.60E+01	1.74E-05	1.26E-07	1.56E-06	
26	2	Subsurface	Chromium	mg/kg	7.26E+01	7.89E-05		7.07E-06	
26	2	Subsurface	Cobalt	mg/kg	4.72E+01	5.12E-05		4.59E-06	
26	2	Subsurface	Iron	mg/kg	4.46E+04	4.85E-02		4.34E-03	
26	2	Subsurface	Manganese	mg/kg	9.14E+02	9.92E-04		8.89E-05	
26	2	Subsurface	Mercury	mg/kg	2.36E+01	2.57E-05		2.30E-06	
26	2	Subsurface	Nickel	mg/kg	1.08E+02	1.18E-04		1.05E-05	
26	2	Subsurface	Thallium	mg/kg	1.68E+01	1.83E-05		1.64E-06	
26	2	Subsurface	Uranium	mg/kg	1.15E+03	1.25E-03		1.12E-04	
26	2	Subsurface	Vanadium	mg/kg	1.03E+02	1.12E-04		1.00E-05	
26	2	Subsurface	PAH, Total	mg/kg	3.85E-01	4.18E-07	3.93E-07	3.75E-08	
26	2	Subsurface	PCB, Total	mg/kg	8.33E+00	9.04E-06	9.15E-06	8.10E-07	
26	2	Subsurface	Cesium-137	pCi/g	8.23E+00	1.39E+04		3.73E-01	2.11E+01
26	2	Subsurface	Neptunium-237	pCi/g	2.04E-01	4.53E+02		1.22E-02	6.89E-01
26	2	Subsurface	Radium-228	pCi/g	1.69E+00	1.18E+03		3.17E-02	1.80E+00
26	2	Subsurface	Thorium-230	pCi/g	3.02E+00	6.69E+03		1.80E-01	1.02E+01
26	2	Subsurface	Uranium-234	pCi/g	1.41E+01	3.13E+04		8.41E-01	4.76E+01
26	2	Subsurface	Uranium-235	pCi/g	1.84E+00	4.08E+03		1.10E-01	6.21E+00
26	2	Subsurface	Uranium-238	pCi/g	3.92E+01	8.71E+04		2.34E+00	1.33E+02
26	3	Subsurface	Aluminum	mg/kg	9.30E+03	1.01E-02		9.05E-04	
26	3	Subsurface	Antimony	mg/kg	6.79E+01	7.37E-05		6.61E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.16. Cancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
26	3	Subsurface	Arsenic	mg/kg	7.52E+01	8.16E-05	1.77E-05	7.32E-06	
26	3	Subsurface	Chromium	mg/kg	6.47E+01	7.03E-05		6.30E-06	
26	3	Subsurface	Cobalt	mg/kg	9.23E+00	1.00E-05		8.98E-07	
26	3	Subsurface	Iron	mg/kg	3.45E+04	3.75E-02		3.36E-03	
26	3	Subsurface	Manganese	mg/kg	5.74E+02	6.24E-04		5.59E-05	
26	3	Subsurface	Mercury	mg/kg	1.79E+01	1.94E-05		1.74E-06	
26	3	Subsurface	Molybdenum	mg/kg	4.40E+01	4.77E-05		4.28E-06	
26	3	Subsurface	Thallium	mg/kg	2.51E+00	2.73E-06		2.44E-07	
26	3	Subsurface	Uranium	mg/kg	2.05E+02	2.22E-04		1.99E-05	
26	3	Subsurface	Vanadium	mg/kg	1.43E+02	1.55E-04		1.39E-05	
26	3	Subsurface	PAH, Total	mg/kg	3.47E-01	3.77E-07	3.54E-07	3.38E-08	
26	3	Subsurface	PCB, Total	mg/kg	5.51E+00	5.98E-06	6.05E-06	5.36E-07	
26	3	Subsurface	Pentachlorophenol	mg/kg	1.61E+00	1.75E-06	3.15E-06	1.56E-07	
26	3	Subsurface	Cesium-137	pCi/g	3.38E+00	5.70E+03		1.53E-01	8.68E+00
26	3	Subsurface	Neptunium-237	pCi/g	3.35E-01	7.44E+02		2.00E-02	1.13E+00
26	3	Subsurface	Uranium-234	pCi/g	3.89E+00	8.63E+03		2.32E-01	1.31E+01
26	3	Subsurface	Uranium-235	pCi/g	2.91E-01	6.46E+02		1.74E-02	9.83E-01
26	3	Subsurface	Uranium-238	pCi/g	5.86E+00	1.30E+04		3.50E-01	1.98E+01
26	4	Subsurface	Aluminum	mg/kg	1.20E+04	1.31E-02		1.17E-03	
26	4	Subsurface	Antimony	mg/kg	7.32E+01	7.95E-05		7.12E-06	
26	4	Subsurface	Arsenic	mg/kg	6.05E+01	6.57E-05	1.42E-05	5.89E-06	
26	4	Subsurface	Cadmium	mg/kg	9.00E+00	9.77E-06	7.06E-08	8.75E-07	
26	4	Subsurface	Chromium	mg/kg	1.02E+02	1.11E-04		9.92E-06	
26	4	Subsurface	Cobalt	mg/kg	1.47E+01	1.59E-05		1.43E-06	
26	4	Subsurface	Copper	mg/kg	3.24E+03	3.52E-03		3.15E-04	
26	4	Subsurface	Iron	mg/kg	3.21E+04	3.48E-02		3.12E-03	
26	4	Subsurface	Manganese	mg/kg	7.87E+02	8.54E-04		7.65E-05	
26	4	Subsurface	Mercury	mg/kg	1.90E+01	2.06E-05		1.85E-06	
26	4	Subsurface	Molybdenum	mg/kg	4.08E+01	4.43E-05		3.97E-06	
26	4	Subsurface	Nickel	mg/kg	1.21E+04	1.31E-02		1.17E-03	
26	4	Subsurface	Thallium	mg/kg	1.53E+00	1.66E-06		1.49E-07	
26	4	Subsurface	Uranium	mg/kg	1.34E+03	1.46E-03		1.31E-04	
26	4	Subsurface	Vanadium	mg/kg	1.42E+02	1.54E-04		1.38E-05	
26	4	Subsurface	PAH, Total	mg/kg	4.28E+00	4.65E-06	4.37E-06	4.17E-07	
26	4	Subsurface	PCB, Total	mg/kg	7.96E+00	8.64E-06	8.75E-06	7.75E-07	
26	4	Subsurface	Cesium-137	pCi/g	4.69E+00	7.91E+03		2.13E-01	1.20E+01
26	4	Subsurface	Neptunium-237	pCi/g	3.87E+01	8.59E+04		2.31E+00	1.31E+02
26	4	Subsurface	Plutonium-239/240	pCi/g	1.51E+01	3.36E+04		9.03E-01	5.11E+01
26	4	Subsurface	Technetium-99	pCi/g	3.81E+03	8.45E+06		2.27E+02	1.29E+04
26	4	Subsurface	Thorium-230	pCi/g	8.68E+01	1.93E+05		5.18E+00	2.93E+02
26	4	Subsurface	Uranium-234	pCi/g	3.46E+02	7.68E+05		2.06E+01	1.17E+03
26	4	Subsurface	Uranium-235	pCi/g	2.46E+01	5.45E+04		1.47E+00	8.30E+01
26	4	Subsurface	Uranium-238	pCi/g	8.24E+02	1.83E+06		4.92E+01	2.78E+03
565	1	Subsurface	Cesium-137	pCi/g	4.00E-01	6.75E+02		1.82E-02	1.03E+00
77	1	Subsurface	Chromium	mg/kg	8.30E+01	9.01E-05		8.08E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.16. Cancerous CDIs for the Outdoor Worker Exposed to Surface and Subsurface Soil (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
77	1	Subsurface	Iron	mg/kg	5.03E+04	5.47E-02		4.90E-03	
77	1	Subsurface	Uranium	mg/kg	6.66E+02	7.23E-04		6.48E-05	
77	1	Subsurface	Vanadium	mg/kg	1.68E+02	1.82E-04		1.63E-05	
77	1	Subsurface	PAH, Total	mg/kg	7.02E-02	7.62E-08	7.17E-08	6.83E-09	
77	1	Subsurface	PCB, Total	mg/kg	5.00E+00	5.43E-06	5.50E-06	4.87E-07	
77	1	Subsurface	Thorium-230	pCi/g	1.03E+01	2.29E+04		6.15E-01	3.48E+01
77	1	Subsurface	Uranium-238	pCi/g	1.53E+01	3.40E+04		9.13E-01	5.17E+01
80	1	Subsurface	Uranium	mg/kg	9.80E+01	1.06E-04		9.54E-06	
80	1	Subsurface	Dioxins/Furans, Total	mg/kg	8.82E-05	9.58E-11	2.08E-11	8.59E-12	
80	1	Subsurface	PCB, Total	mg/kg	1.20E+02	1.30E-04	1.32E-04	1.17E-05	
80	2	Subsurface	Antimony	mg/kg	7.57E+01	8.22E-05		7.37E-06	
80	2	Subsurface	Arsenic	mg/kg	1.01E+01	1.09E-05	2.37E-06	9.80E-07	
80	2	Subsurface	Chromium	mg/kg	1.65E+02	1.79E-04		1.61E-05	
80	2	Subsurface	Cobalt	mg/kg	1.90E+01	2.06E-05		1.85E-06	
80	2	Subsurface	Iron	mg/kg	3.52E+04	3.82E-02		3.42E-03	
80	2	Subsurface	Manganese	mg/kg	1.20E+03	1.30E-03		1.17E-04	
80	2	Subsurface	Uranium	mg/kg	5.72E+03	6.22E-03		5.57E-04	
80	2	Subsurface	Vanadium	mg/kg	1.29E+02	1.40E-04		1.26E-05	
80	2	Subsurface	PAH, Total	mg/kg	7.21E-01	7.84E-07	7.36E-07	7.02E-08	
80	2	Subsurface	PCB, Total	mg/kg	1.26E+01	1.37E-05	1.39E-05	1.23E-06	
80	2	Subsurface	Americium-241	pCi/g	6.40E+00	1.39E+04		3.74E-01	2.12E+01
80	2	Subsurface	Cesium-137	pCi/g	8.40E-01	1.42E+03		3.81E-02	2.16E+00
80	2	Subsurface	Neptunium-237	pCi/g	5.05E-01	1.12E+03		3.01E-02	1.71E+00
80	2	Subsurface	Uranium-234	pCi/g	2.29E+02	5.08E+05		1.37E+01	7.74E+02
80	2	Subsurface	Uranium-235	pCi/g	3.00E+01	6.66E+04		1.79E+00	1.01E+02
80	2	Subsurface	Uranium-238	pCi/g	1.92E+03	4.26E+06		1.15E+02	6.49E+03
80	3	Subsurface	Antimony	mg/kg	9.99E+01	1.08E-04		9.72E-06	
80	3	Subsurface	Arsenic	mg/kg	1.04E+01	1.13E-05	2.46E-06	1.02E-06	
80	3	Subsurface	Cadmium	mg/kg	1.84E+01	2.00E-05	1.44E-07	1.79E-06	
80	3	Subsurface	Iron	mg/kg	3.41E+04	3.70E-02		3.32E-03	
80	3	Subsurface	Manganese	mg/kg	1.00E+03	1.09E-03		9.74E-05	
80	3	Subsurface	Mercury	mg/kg	7.98E+01	8.66E-05		7.76E-06	
80	3	Subsurface	Molybdenum	mg/kg	3.56E+01	3.86E-05		3.46E-06	
80	3	Subsurface	Uranium	mg/kg	7.32E+01	7.95E-05		7.13E-06	
80	3	Subsurface	Vanadium	mg/kg	1.27E+02	1.38E-04		1.23E-05	
80	3	Subsurface	PAH, Total	mg/kg	4.46E-01	4.84E-07	4.55E-07	4.34E-08	
80	3	Subsurface	PCB, Total	mg/kg	5.68E+02	6.17E-04	6.24E-04	5.53E-05	
80	3	Subsurface	Uranium-238	pCi/g	2.91E+00	6.46E+03		1.74E-01	9.83E+00

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.17. Noncancerous CDIs for the Excavation Worker

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	1	Subsurface	Manganese	mg/kg	6.06E+02	1.84E-03		1.65E-07
13	1	Subsurface	Vanadium	mg/kg	9.23E+01	2.81E-04		2.52E-08
13	1	Subsurface	PCB, Total	mg/kg	9.42E+00	2.86E-05	2.90E-05	2.57E-09
13	1	Subsurface	Uranium-238	pCi/g	1.20E+00	3.66E-06		3.28E-10
13	10	Subsurface	Iron	mg/kg	3.80E+04	1.16E-01		1.04E-05
13	10	Subsurface	Manganese	mg/kg	3.09E+03	9.39E-03		8.41E-07
13	10	Subsurface	Silver	mg/kg	5.40E+01	1.64E-04		1.47E-08
13	10	Subsurface	Vanadium	mg/kg	1.30E+02	3.95E-04		3.54E-08
13	11	Subsurface	Manganese	mg/kg	7.58E+02	2.30E-03		2.06E-07
13	11	Subsurface	Silver	mg/kg	1.03E+02	3.13E-04		2.80E-08
13	11	Subsurface	Vanadium	mg/kg	1.14E+02	3.45E-04		3.09E-08
13	11	Subsurface	PCB, Total	mg/kg	1.03E+01	3.14E-05	3.18E-05	2.82E-09
13	12	Subsurface	Iron	mg/kg	2.30E+04	7.00E-02		6.27E-06
13	12	Subsurface	Manganese	mg/kg	1.35E+03	4.11E-03		3.69E-07
13	12	Subsurface	Silver	mg/kg	1.49E+02	4.53E-04		4.06E-08
13	12	Subsurface	Vanadium	mg/kg	1.16E+02	3.53E-04		3.17E-08
13	12	Subsurface	PCB, Total	mg/kg	1.03E+01	3.13E-05	3.17E-05	2.81E-09
13	13	Subsurface	Iron	mg/kg	2.89E+04	8.80E-02		7.89E-06
13	13	Subsurface	Manganese	mg/kg	1.13E+03	3.43E-03		3.07E-07
13	13	Subsurface	Molybdenum	mg/kg	2.72E+01	8.27E-05		7.41E-09
13	13	Subsurface	Vanadium	mg/kg	1.19E+02	3.60E-04		3.23E-08
13	14	Subsurface	Manganese	mg/kg	5.56E+02	1.69E-03		1.51E-07
13	14	Subsurface	Vanadium	mg/kg	1.22E+02	3.72E-04		3.34E-08
13	14	Subsurface	PAH, Total	mg/kg	5.41E-01	1.65E-06	1.55E-06	1.47E-10
13	14	Subsurface	PCB, Total	mg/kg	1.06E+01	3.22E-05	3.26E-05	2.88E-09
13	14	Subsurface	Uranium-238	pCi/g	3.85E+00	1.17E-05		1.05E-09
13	2	Subsurface	Arsenic	mg/kg	1.04E+01	3.16E-05	6.86E-06	2.83E-09
13	2	Subsurface	Iron	mg/kg	2.47E+04	7.53E-02		6.74E-06
13	2	Subsurface	Manganese	mg/kg	1.22E+03	3.72E-03		3.34E-07
13	2	Subsurface	Vanadium	mg/kg	9.38E+01	2.85E-04		2.56E-08
13	2	Subsurface	Uranium-238	pCi/g	9.95E-01	3.03E-06		2.71E-10
13	3	Subsurface	Iron	mg/kg	2.63E+04	8.00E-02		7.17E-06
13	3	Subsurface	Manganese	mg/kg	1.09E+03	3.33E-03		2.98E-07
13	3	Subsurface	Molybdenum	mg/kg	2.18E+01	6.64E-05		5.95E-09
13	3	Subsurface	Vanadium	mg/kg	9.88E+01	3.00E-04		2.69E-08
13	3	Subsurface	PAH, Total	mg/kg	4.93E-01	1.50E-06	1.41E-06	1.34E-10
13	4	Subsurface	Iron	mg/kg	2.75E+04	8.36E-02		7.49E-06
13	4	Subsurface	Manganese	mg/kg	1.00E+03	3.05E-03		2.73E-07
13	4	Subsurface	Vanadium	mg/kg	9.81E+01	2.98E-04		2.67E-08
13	4	Subsurface	PAH, Total	mg/kg	5.59E-01	1.70E-06	1.60E-06	1.52E-10
13	4	Subsurface	PCB, Total	mg/kg	1.09E+01	3.32E-05	3.36E-05	2.97E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.17. Noncancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	4	Subsurface	Cobalt-60	pCi/g	8.06E-02	2.45E-07		2.20E-11
13	4	Subsurface	Uranium-238	pCi/g	3.27E+00	9.93E-06		8.90E-10
13	5	Subsurface	Aluminum	mg/kg	9.74E+03	2.96E-02		2.65E-06
13	5	Subsurface	Chromium	mg/kg	9.37E+01	2.85E-04		2.55E-08
13	5	Subsurface	Iron	mg/kg	2.42E+04	7.36E-02		6.59E-06
13	5	Subsurface	Manganese	mg/kg	9.08E+02	2.76E-03		2.48E-07
13	5	Subsurface	Uranium	mg/kg	7.38E+01	2.24E-04		2.01E-08
13	5	Subsurface	Vanadium	mg/kg	1.06E+02	3.21E-04		2.87E-08
13	5	Subsurface	PAH, Total	mg/kg	5.43E-01	1.65E-06	1.55E-06	1.48E-10
13	5	Subsurface	PCB, Total	mg/kg	1.03E+01	3.14E-05	3.18E-05	2.81E-09
13	5	Subsurface	Cesium-137	pCi/g	3.52E-01	1.07E-06		9.59E-11
13	5	Subsurface	Neptunium-237	pCi/g	3.60E-01	1.09E-06		9.81E-11
13	5	Subsurface	Technetium-99	pCi/g	9.19E+01	2.80E-04		2.51E-08
13	5	Subsurface	Uranium-234	pCi/g	2.02E+01	6.13E-05		5.49E-09
13	5	Subsurface	Uranium-235	pCi/g	2.73E+00	8.30E-06		7.44E-10
13	5	Subsurface	Uranium-238	pCi/g	3.77E+01	1.15E-04		1.03E-08
13	6	Subsurface	Cadmium	mg/kg	4.68E+00	1.42E-05	1.03E-07	1.28E-09
13	6	Subsurface	Iron	mg/kg	3.09E+04	9.39E-02		8.42E-06
13	6	Subsurface	Manganese	mg/kg	9.46E+02	2.88E-03		2.58E-07
13	6	Subsurface	Uranium	mg/kg	3.67E+01	1.12E-04		1.00E-08
13	6	Subsurface	Vanadium	mg/kg	1.20E+02	3.65E-04		3.27E-08
13	6	Subsurface	PAH, Total	mg/kg	8.43E-01	2.56E-06	2.41E-06	2.30E-10
13	6	Subsurface	PCB, Total	mg/kg	7.04E+00	2.14E-05	2.17E-05	1.92E-09
13	6	Subsurface	Cesium-137	pCi/g	2.02E-01	6.14E-07		5.50E-11
13	6	Subsurface	Neptunium-237	pCi/g	6.23E-01	1.89E-06		1.70E-10
13	6	Subsurface	Technetium-99	pCi/g	8.38E+01	2.55E-04		2.28E-08
13	6	Subsurface	Uranium-234	pCi/g	1.55E+01	4.72E-05		4.23E-09
13	6	Subsurface	Uranium-235	pCi/g	1.16E+00	3.53E-06		3.16E-10
13	6	Subsurface	Uranium-238	pCi/g	3.25E+01	9.88E-05		8.85E-09
13	7	Subsurface	Iron	mg/kg	2.78E+04	8.47E-02		7.59E-06
13	7	Subsurface	Silver	mg/kg	7.79E+01	2.37E-04		2.12E-08
13	7	Subsurface	Vanadium	mg/kg	1.22E+02	3.70E-04		3.31E-08
13	7	Subsurface	PCB, Total	mg/kg	1.08E+01	3.29E-05	3.33E-05	2.95E-09
13	7	Subsurface	Uranium-238	pCi/g	3.69E+00	1.12E-05		1.01E-09
13	8	Subsurface	Iron	mg/kg	2.41E+04	7.33E-02		6.57E-06
13	8	Subsurface	Manganese	mg/kg	1.12E+03	3.41E-03		3.05E-07
13	8	Subsurface	Vanadium	mg/kg	9.97E+01	3.03E-04		2.72E-08
13	8	Subsurface	PAH, Total	mg/kg	5.39E-01	1.64E-06	1.54E-06	1.47E-10
13	9	Subsurface	Arsenic	mg/kg	1.25E+01	3.79E-05	8.22E-06	3.40E-09
13	9	Subsurface	Vanadium	mg/kg	1.17E+02	3.55E-04		3.18E-08
13	9	Subsurface	PAH, Total	mg/kg	4.60E-01	1.40E-06	1.31E-06	1.25E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.17. Noncancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	9	Subsurface	Cesium-137	pCi/g	2.64E-01	8.03E-07		7.19E-11
13	9	Subsurface	Neptunium-237	pCi/g	5.15E-01	1.57E-06		1.40E-10
13	9	Subsurface	Uranium-238	pCi/g	3.78E+00	1.15E-05		1.03E-09
15	1	Subsurface	Antimony	mg/kg	1.08E+02	3.29E-04		2.95E-08
15	1	Subsurface	Arsenic	mg/kg	1.32E+01	4.00E-05	8.68E-06	3.59E-09
15	1	Subsurface	Cadmium	mg/kg	2.72E+01	8.26E-05	5.97E-07	7.40E-09
15	1	Subsurface	Chromium	mg/kg	8.29E+01	2.52E-04		2.26E-08
15	1	Subsurface	Iron	mg/kg	2.97E+04	9.04E-02		8.10E-06
15	1	Subsurface	Manganese	mg/kg	6.01E+02	1.83E-03		1.64E-07
15	1	Subsurface	Nickel	mg/kg	1.39E+02	4.22E-04		3.78E-08
15	1	Subsurface	Thallium	mg/kg	1.31E+01	3.98E-05		3.57E-09
15	1	Subsurface	Uranium	mg/kg	3.23E+01	9.81E-05		8.79E-09
15	1	Subsurface	Vanadium	mg/kg	8.40E+01	2.56E-04		2.29E-08
15	1	Subsurface	PAH, Total	mg/kg	1.16E+00	3.52E-06	3.30E-06	3.15E-10
15	1	Subsurface	Technetium-99	pCi/g	1.06E+02	3.23E-04		2.90E-08
15	1	Subsurface	Uranium-238	pCi/g	1.30E+00	3.94E-06		3.53E-10
15	10	Subsurface	Antimony	mg/kg	1.26E+02	3.83E-04		3.43E-08
15	10	Subsurface	Arsenic	mg/kg	9.75E+00	2.97E-05	6.43E-06	2.66E-09
15	10	Subsurface	Cadmium	mg/kg	1.67E+01	5.08E-05	3.67E-07	4.55E-09
15	10	Subsurface	Chromium	mg/kg	6.29E+01	1.91E-04		1.71E-08
15	10	Subsurface	Mercury	mg/kg	7.84E+00	2.38E-05		2.14E-09
15	10	Subsurface	Nickel	mg/kg	2.26E+02	6.88E-04		6.17E-08
15	10	Subsurface	Uranium	mg/kg	9.02E+01	2.74E-04		2.46E-08
15	10	Subsurface	PAH, Total	mg/kg	1.28E-01	3.91E-07	3.67E-07	3.50E-11
15	2	Subsurface	Aluminum	mg/kg	1.68E+04	5.11E-02		4.58E-06
15	2	Subsurface	Antimony	mg/kg	1.08E+02	3.28E-04		2.94E-08
15	2	Subsurface	Arsenic	mg/kg	1.63E+01	4.94E-05	1.07E-05	4.43E-09
15	2	Subsurface	Cadmium	mg/kg	1.51E+01	4.60E-05	3.33E-07	4.13E-09
15	2	Subsurface	Chromium	mg/kg	5.90E+01	1.79E-04		1.61E-08
15	2	Subsurface	Iron	mg/kg	3.89E+04	1.18E-01		1.06E-05
15	2	Subsurface	Manganese	mg/kg	1.37E+03	4.17E-03		3.74E-07
15	2	Subsurface	Mercury	mg/kg	9.33E+00	2.84E-05		2.54E-09
15	2	Subsurface	Nickel	mg/kg	3.75E+02	1.14E-03		1.02E-07
15	2	Subsurface	Thallium	mg/kg	3.50E-01	1.06E-06		9.54E-11
15	2	Subsurface	Uranium	mg/kg	1.32E+02	4.01E-04		3.59E-08
15	2	Subsurface	Vanadium	mg/kg	9.38E+01	2.85E-04		2.56E-08
15	2	Subsurface	PAH, Total	mg/kg	2.11E+00	6.41E-06	6.02E-06	5.74E-10
15	2	Subsurface	PCB, Total	mg/kg	3.30E-01	1.00E-06	1.02E-06	8.99E-11
15	2	Subsurface	Neptunium-237	pCi/g	5.56E-01	1.69E-06		1.52E-10
15	2	Subsurface	Uranium-234	pCi/g	6.51E+00	1.98E-05		1.77E-09
15	2	Subsurface	Uranium-235	pCi/g	3.80E-01	1.16E-06		1.04E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.17. Noncancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	2	Subsurface	Uranium-238	pCi/g	1.21E+01	3.68E-05		3.30E-09
15	3	Subsurface	Antimony	mg/kg	1.15E+02	3.50E-04		3.13E-08
15	3	Subsurface	Arsenic	mg/kg	3.65E+01	1.11E-04	2.41E-05	9.95E-09
15	3	Subsurface	Cadmium	mg/kg	1.89E+01	5.76E-05	4.16E-07	5.16E-09
15	3	Subsurface	Chromium	mg/kg	8.13E+01	2.47E-04		2.22E-08
15	3	Subsurface	Cobalt	mg/kg	2.37E+01	7.21E-05		6.46E-09
15	3	Subsurface	Copper	mg/kg	1.60E+03	4.86E-03		4.36E-07
15	3	Subsurface	Iron	mg/kg	9.52E+04	2.89E-01		2.59E-05
15	3	Subsurface	Manganese	mg/kg	1.62E+03	4.92E-03		4.41E-07
15	3	Subsurface	Mercury	mg/kg	2.08E+01	6.33E-05		5.67E-09
15	3	Subsurface	Nickel	mg/kg	8.38E+02	2.55E-03		2.28E-07
15	3	Subsurface	Thallium	mg/kg	1.64E+01	4.98E-05		4.46E-09
15	3	Subsurface	Uranium	mg/kg	2.16E+02	6.57E-04		5.89E-08
15	3	Subsurface	Vanadium	mg/kg	7.72E+01	2.35E-04		2.10E-08
15	3	Subsurface	PAH, Total	mg/kg	9.85E-01	3.00E-06	2.82E-06	2.68E-10
15	3	Subsurface	PCB, Total	mg/kg	1.40E+01	4.24E-05	4.29E-05	3.80E-09
15	3	Subsurface	Neptunium-237	pCi/g	4.06E+00	1.23E-05		1.11E-09
15	3	Subsurface	Technetium-99	pCi/g	2.08E+02	6.34E-04		5.68E-08
15	3	Subsurface	Thorium-230	pCi/g	4.61E+00	1.40E-05		1.26E-09
15	3	Subsurface	Uranium-234	pCi/g	1.91E+02	5.80E-04		5.20E-08
15	3	Subsurface	Uranium-235	pCi/g	2.15E+01	6.53E-05		5.85E-09
15	3	Subsurface	Uranium-238	pCi/g	1.08E+03	3.27E-03		2.93E-07
15	4	Subsurface	Antimony	mg/kg	9.30E+01	2.83E-04		2.53E-08
15	4	Subsurface	Arsenic	mg/kg	3.37E+01	1.02E-04	2.22E-05	9.18E-09
15	4	Subsurface	Cadmium	mg/kg	1.34E+01	4.09E-05	2.95E-07	3.66E-09
15	4	Subsurface	Chromium	mg/kg	8.55E+01	2.60E-04		2.33E-08
15	4	Subsurface	Copper	mg/kg	6.00E+02	1.82E-03		1.63E-07
15	4	Subsurface	Iron	mg/kg	6.97E+04	2.12E-01		1.90E-05
15	4	Subsurface	Manganese	mg/kg	1.29E+03	3.91E-03		3.51E-07
15	4	Subsurface	Mercury	mg/kg	5.08E+01	1.54E-04		1.38E-08
15	4	Subsurface	Nickel	mg/kg	1.24E+03	3.77E-03		3.38E-07
15	4	Subsurface	Thallium	mg/kg	2.06E+01	6.28E-05		5.62E-09
15	4	Subsurface	Uranium	mg/kg	1.29E+02	3.92E-04		3.52E-08
15	4	Subsurface	Vanadium	mg/kg	7.58E+01	2.31E-04		2.07E-08
15	4	Subsurface	PAH, Total	mg/kg	1.25E+00	3.79E-06	3.56E-06	3.40E-10
15	4	Subsurface	PCB, Total	mg/kg	3.13E+01	9.52E-05	9.64E-05	8.53E-09
15	4	Subsurface	Neptunium-237	pCi/g	4.33E-01	1.32E-06		1.18E-10
15	4	Subsurface	Uranium-234	pCi/g	5.74E+00	1.75E-05		1.56E-09
15	4	Subsurface	Uranium-235	pCi/g	2.69E-01	8.18E-07		7.33E-11
15	4	Subsurface	Uranium-238	pCi/g	9.63E+00	2.93E-05		2.62E-09
15	5	Subsurface	Aluminum	mg/kg	9.61E+03	2.92E-02		2.62E-06

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.17. Noncancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	5	Subsurface	Antimony	mg/kg	1.22E+02	3.71E-04		3.32E-08
15	5	Subsurface	Arsenic	mg/kg	1.33E+01	4.04E-05	8.77E-06	3.62E-09
15	5	Subsurface	Cadmium	mg/kg	1.80E+01	5.49E-05	3.97E-07	4.92E-09
15	5	Subsurface	Chromium	mg/kg	6.58E+01	2.00E-04		1.79E-08
15	5	Subsurface	Copper	mg/kg	5.63E+03	1.71E-02		1.53E-06
15	5	Subsurface	Iron	mg/kg	2.31E+04	7.01E-02		6.28E-06
15	5	Subsurface	Manganese	mg/kg	7.28E+02	2.21E-03		1.98E-07
15	5	Subsurface	Mercury	mg/kg	1.96E+01	5.95E-05		5.34E-09
15	5	Subsurface	Nickel	mg/kg	3.48E+02	1.06E-03		9.49E-08
15	5	Subsurface	Uranium	mg/kg	1.74E+02	5.28E-04		4.73E-08
15	5	Subsurface	Zinc	mg/kg	1.53E+03	4.64E-03		4.16E-07
15	5	Subsurface	PAH, Total	mg/kg	3.31E-01	1.01E-06	9.46E-07	9.02E-11
15	5	Subsurface	PCB, Total	mg/kg	4.64E+01	1.41E-04	1.43E-04	1.26E-08
15	5	Subsurface	Neptunium-237	pCi/g	5.30E-01	1.61E-06		1.44E-10
15	5	Subsurface	Uranium-235	pCi/g	3.62E-01	1.10E-06		9.86E-11
15	5	Subsurface	Uranium-238	pCi/g	8.14E+00	2.48E-05		2.22E-09
15	6	Subsurface	Antimony	mg/kg	9.94E+01	3.02E-04		2.71E-08
15	6	Subsurface	Arsenic	mg/kg	1.20E+01	3.66E-05	7.93E-06	3.28E-09
15	6	Subsurface	Cadmium	mg/kg	2.50E+01	7.61E-05	5.50E-07	6.82E-09
15	6	Subsurface	Chromium	mg/kg	7.97E+01	2.42E-04		2.17E-08
15	6	Subsurface	Cobalt	mg/kg	1.13E+01	3.43E-05		3.08E-09
15	6	Subsurface	Copper	mg/kg	4.28E+02	1.30E-03		1.17E-07
15	6	Subsurface	Iron	mg/kg	3.29E+04	1.00E-01		8.96E-06
15	6	Subsurface	Manganese	mg/kg	6.96E+02	2.12E-03		1.90E-07
15	6	Subsurface	Mercury	mg/kg	1.87E+01	5.68E-05		5.09E-09
15	6	Subsurface	Nickel	mg/kg	3.00E+02	9.13E-04		8.18E-08
15	6	Subsurface	Uranium	mg/kg	6.26E+01	1.90E-04		1.71E-08
15	6	Subsurface	PAH, Total	mg/kg	1.25E+00	3.80E-06	3.57E-06	3.40E-10
15	6	Subsurface	PCB, Total	mg/kg	6.17E+00	1.87E-05	1.90E-05	1.68E-09
15	6	Subsurface	Neptunium-237	pCi/g	4.93E-01	1.50E-06		1.34E-10
15	6	Subsurface	Uranium-234	pCi/g	6.91E+00	2.10E-05		1.88E-09
15	6	Subsurface	Uranium-235	pCi/g	4.48E-01	1.36E-06		1.22E-10
15	6	Subsurface	Uranium-238	pCi/g	1.21E+01	3.66E-05		3.28E-09
15	7	Subsurface	Aluminum	mg/kg	1.13E+04	3.42E-02		3.07E-06
15	7	Subsurface	Antimony	mg/kg	1.41E+02	4.30E-04		3.85E-08
15	7	Subsurface	Arsenic	mg/kg	1.61E+01	4.91E-05	1.06E-05	4.40E-09
15	7	Subsurface	Cadmium	mg/kg	2.78E+01	8.45E-05	6.11E-07	7.57E-09
15	7	Subsurface	Chromium	mg/kg	6.54E+01	1.99E-04		1.78E-08
15	7	Subsurface	Copper	mg/kg	6.02E+02	1.83E-03		1.64E-07
15	7	Subsurface	Iron	mg/kg	3.45E+04	1.05E-01		9.39E-06
15	7	Subsurface	Manganese	mg/kg	1.17E+03	3.55E-03		3.18E-07

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.17. Noncancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	7	Subsurface	Nickel	mg/kg	5.59E+02	1.70E-03		1.52E-07
15	7	Subsurface	Uranium	mg/kg	5.34E+01	1.62E-04		1.46E-08
15	7	Subsurface	PAH, Total	mg/kg	1.24E-01	3.77E-07	3.54E-07	3.38E-11
15	7	Subsurface	PCB, Total	mg/kg	2.55E+01	7.77E-05	7.86E-05	6.96E-09
15	7	Subsurface	Uranium-234	pCi/g	4.27E+00	1.30E-05		1.16E-09
15	7	Subsurface	Uranium-235	pCi/g	2.96E-01	9.00E-07		8.07E-11
15	7	Subsurface	Uranium-238	pCi/g	6.39E+00	1.94E-05		1.74E-09
15	8	Subsurface	Antimony	mg/kg	9.93E+01	3.02E-04		2.71E-08
15	8	Subsurface	Arsenic	mg/kg	1.14E+01	3.47E-05	7.53E-06	3.11E-09
15	8	Subsurface	Cadmium	mg/kg	1.68E+01	5.12E-05	3.70E-07	4.58E-09
15	8	Subsurface	Chromium	mg/kg	7.53E+01	2.29E-04		2.05E-08
15	8	Subsurface	Iron	mg/kg	2.83E+04	8.59E-02		7.70E-06
15	8	Subsurface	Manganese	mg/kg	6.03E+02	1.83E-03		1.64E-07
15	8	Subsurface	Mercury	mg/kg	1.73E+01	5.27E-05		4.72E-09
15	8	Subsurface	Nickel	mg/kg	1.82E+02	5.54E-04		4.97E-08
15	8	Subsurface	Uranium	mg/kg	4.46E+01	1.35E-04		1.21E-08
15	8	Subsurface	PAH, Total	mg/kg	2.80E-01	8.52E-07	8.00E-07	7.63E-11
15	8	Subsurface	PCB, Total	mg/kg	6.29E+00	1.91E-05	1.94E-05	1.71E-09
15	8	Subsurface	Neptunium-237	pCi/g	2.83E-01	8.61E-07		7.71E-11
15	8	Subsurface	Uranium-238	pCi/g	4.52E+00	1.37E-05		1.23E-09
15	9	Subsurface	Antimony	mg/kg	1.22E+02	3.72E-04		3.34E-08
15	9	Subsurface	Arsenic	mg/kg	1.31E+01	3.98E-05	8.63E-06	3.57E-09
15	9	Subsurface	Cadmium	mg/kg	2.81E+01	8.54E-05	6.17E-07	7.65E-09
15	9	Subsurface	Chromium	mg/kg	8.92E+01	2.71E-04		2.43E-08
15	9	Subsurface	Iron	mg/kg	3.02E+04	9.18E-02		8.23E-06
15	9	Subsurface	Manganese	mg/kg	1.57E+03	4.76E-03		4.27E-07
15	9	Subsurface	Mercury	mg/kg	1.74E+01	5.29E-05		4.74E-09
15	9	Subsurface	Nickel	mg/kg	1.49E+02	4.54E-04		4.07E-08
15	9	Subsurface	Uranium	mg/kg	3.07E+01	9.32E-05		8.35E-09
15	9	Subsurface	Vanadium	mg/kg	7.33E+01	2.23E-04		2.00E-08
15	9	Subsurface	PAH, Total	mg/kg	1.85E-01	5.63E-07	5.29E-07	5.04E-11
15	9	Subsurface	PCB, Total	mg/kg	6.51E+00	1.98E-05	2.00E-05	1.77E-09
15	9	Subsurface	Uranium-238	pCi/g	4.68E+00	1.42E-05		1.28E-09
204	1	Subsurface	Aluminum	mg/kg	1.18E+04	3.58E-02		3.21E-06
204	1	Subsurface	Manganese	mg/kg	6.80E+02	2.07E-03		1.85E-07
204	1	Subsurface	Vanadium	mg/kg	1.21E+02	3.67E-04		3.29E-08
204	1	Subsurface	PAH, Total	mg/kg	4.93E-01	1.50E-06	1.41E-06	1.34E-10
204	1	Subsurface	Uranium-238	pCi/g	1.37E+00	4.15E-06		3.72E-10
204	10	Subsurface	Antimony	mg/kg	1.20E+01	3.65E-05		3.27E-09
204	10	Subsurface	Iron	mg/kg	4.10E+04	1.25E-01		1.12E-05
204	10	Subsurface	Vanadium	mg/kg	1.33E+02	4.04E-04		3.62E-08

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.17. Noncancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	10	Subsurface	PAH, Total	mg/kg	6.42E-02	1.95E-07	1.83E-07	1.75E-11
204	10	Subsurface	Cesium-137	pCi/g	2.83E-01	8.61E-07		7.71E-11
204	10	Subsurface	Uranium-238	pCi/g	3.15E+00	9.58E-06		8.58E-10
204	11	Subsurface	Arsenic	mg/kg	8.80E+00	2.68E-05	5.80E-06	2.40E-09
204	11	Subsurface	Iron	mg/kg	3.14E+04	9.53E-02		8.54E-06
204	11	Subsurface	Manganese	mg/kg	9.85E+02	3.00E-03		2.68E-07
204	11	Subsurface	Vanadium	mg/kg	1.46E+02	4.44E-04		3.98E-08
204	11	Subsurface	PAH, Total	mg/kg	1.09E-01	3.32E-07	3.12E-07	2.98E-11
204	11	Subsurface	Uranium-238	pCi/g	3.09E+00	9.40E-06		8.42E-10
204	12	Subsurface	Arsenic	mg/kg	9.80E+00	2.98E-05	6.46E-06	2.67E-09
204	12	Subsurface	Iron	mg/kg	2.86E+04	8.70E-02		7.80E-06
204	12	Subsurface	Manganese	mg/kg	2.12E+03	6.43E-03		5.76E-07
204	12	Subsurface	Vanadium	mg/kg	1.44E+02	4.38E-04		3.92E-08
204	12	Subsurface	PAH, Total	mg/kg	6.43E-02	1.96E-07	1.84E-07	1.75E-11
204	12	Subsurface	Cesium-137	pCi/g	2.93E-01	8.91E-07		7.98E-11
204	12	Subsurface	Uranium-238	pCi/g	3.26E+00	9.91E-06		8.88E-10
204	13	Subsurface	Arsenic	mg/kg	8.60E+00	2.62E-05	5.67E-06	2.34E-09
204	13	Subsurface	Manganese	mg/kg	1.04E+03	3.17E-03		2.84E-07
204	13	Subsurface	Vanadium	mg/kg	1.45E+02	4.41E-04		3.95E-08
204	13	Subsurface	PAH, Total	mg/kg	5.05E-01	1.54E-06	1.44E-06	1.38E-10
204	13	Subsurface	Cesium-137	pCi/g	2.89E-01	8.79E-07		7.88E-11
204	13	Subsurface	Uranium-238	pCi/g	2.98E+00	9.06E-06		8.12E-10
204	14	Subsurface	Arsenic	mg/kg	1.36E+02	4.14E-04	8.97E-05	3.71E-08
204	14	Subsurface	Iron	mg/kg	3.52E+04	1.07E-01		9.59E-06
204	14	Subsurface	Manganese	mg/kg	8.21E+02	2.50E-03		2.24E-07
204	14	Subsurface	Uranium	mg/kg	1.34E+02	4.08E-04		3.65E-08
204	14	Subsurface	Vanadium	mg/kg	1.43E+02	4.35E-04		3.90E-08
204	14	Subsurface	PAH, Total	mg/kg	1.28E-01	3.88E-07	3.65E-07	3.48E-11
204	14	Subsurface	Uranium-238	pCi/g	4.25E+00	1.29E-05		1.16E-09
204	15	Subsurface	Iron	mg/kg	4.59E+04	1.40E-01		1.25E-05
204	15	Subsurface	Manganese	mg/kg	8.78E+02	2.67E-03		2.39E-07
204	15	Subsurface	Vanadium	mg/kg	1.36E+02	4.14E-04		3.71E-08
204	15	Subsurface	PAH, Total	mg/kg	1.89E-01	5.73E-07	5.39E-07	5.14E-11
204	15	Subsurface	Cesium-137	pCi/g	6.30E-01	1.92E-06		1.72E-10
204	15	Subsurface	Uranium-238	pCi/g	5.37E+00	1.63E-05		1.46E-09
204	16	Subsurface	Arsenic	mg/kg	8.20E+00	2.49E-05	5.41E-06	2.23E-09
204	16	Subsurface	Iron	mg/kg	2.89E+04	8.80E-02		7.88E-06
204	16	Subsurface	Manganese	mg/kg	1.80E+03	5.47E-03		4.90E-07
204	16	Subsurface	Silver	mg/kg	5.10E+01	1.55E-04		1.39E-08
204	16	Subsurface	Vanadium	mg/kg	1.22E+02	3.71E-04		3.32E-08
204	16	Subsurface	PAH, Total	mg/kg	2.61E-02	7.94E-08	7.46E-08	7.11E-12

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.17. Noncancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	17	Subsurface	Arsenic	mg/kg	9.60E+00	2.92E-05	6.33E-06	2.62E-09
204	17	Subsurface	Iron	mg/kg	2.98E+04	9.06E-02		8.12E-06
204	17	Subsurface	Manganese	mg/kg	8.33E+02	2.53E-03		2.27E-07
204	17	Subsurface	Vanadium	mg/kg	1.22E+02	3.71E-04		3.32E-08
204	17	Subsurface	PAH, Total	mg/kg	1.49E-01	4.52E-07	4.24E-07	4.05E-11
204	17	Subsurface	Uranium-238	pCi/g	2.50E+00	7.60E-06		6.81E-10
204	18	Subsurface	Iron	mg/kg	3.35E+04	1.02E-01		9.14E-06
204	18	Subsurface	Manganese	mg/kg	1.07E+03	3.25E-03		2.91E-07
204	18	Subsurface	Silver	mg/kg	8.90E+01	2.71E-04		2.43E-08
204	18	Subsurface	Uranium	mg/kg	1.09E+02	3.31E-04		2.97E-08
204	18	Subsurface	Vanadium	mg/kg	1.51E+02	4.59E-04		4.11E-08
204	18	Subsurface	PAH, Total	mg/kg	2.13E-02	6.48E-08	6.09E-08	5.80E-12
204	18	Subsurface	Uranium-238	pCi/g	1.81E+00	5.50E-06		4.93E-10
204	19	Subsurface	Arsenic	mg/kg	1.20E+01	3.65E-05	7.91E-06	3.27E-09
204	19	Subsurface	Manganese	mg/kg	1.30E+03	3.95E-03		3.54E-07
204	19	Subsurface	Silver	mg/kg	5.50E+01	1.67E-04		1.50E-08
204	19	Subsurface	Uranium	mg/kg	8.50E+01	2.58E-04		2.32E-08
204	19	Subsurface	Vanadium	mg/kg	1.21E+02	3.68E-04		3.30E-08
204	19	Subsurface	PAH, Total	mg/kg	1.30E-01	3.94E-07	3.71E-07	3.53E-11
204	19	Subsurface	Uranium-238	pCi/g	2.65E+00	8.06E-06		7.22E-10
204	2	Subsurface	Arsenic	mg/kg	4.59E+01	1.40E-04	3.03E-05	1.25E-08
204	2	Subsurface	Iron	mg/kg	2.69E+04	8.17E-02		7.32E-06
204	2	Subsurface	Manganese	mg/kg	8.34E+02	2.54E-03		2.27E-07
204	2	Subsurface	Vanadium	mg/kg	1.21E+02	3.68E-04		3.30E-08
204	2	Subsurface	PAH, Total	mg/kg	4.93E-02	1.50E-07	1.41E-07	1.34E-11
204	2	Subsurface	Uranium-238	pCi/g	2.85E+00	8.66E-06		7.76E-10
204	20	Subsurface	Arsenic	mg/kg	1.40E+01	4.26E-05	9.23E-06	3.81E-09
204	20	Subsurface	Chromium	mg/kg	1.75E+02	5.32E-04		4.77E-08
204	20	Subsurface	Cobalt	mg/kg	1.30E+01	3.95E-05		3.54E-09
204	20	Subsurface	Iron	mg/kg	4.60E+04	1.40E-01		1.25E-05
204	20	Subsurface	Manganese	mg/kg	8.39E+02	2.55E-03		2.29E-07
204	20	Subsurface	Silver	mg/kg	4.70E+01	1.43E-04		1.28E-08
204	20	Subsurface	Uranium	mg/kg	1.31E+04	3.97E-02		3.56E-06
204	20	Subsurface	Vanadium	mg/kg	1.14E+02	3.47E-04		3.11E-08
204	20	Subsurface	PCB, Total	mg/kg	7.90E+01	2.40E-04	2.43E-04	2.15E-08
204	20	Subsurface	Americium-241	pCi/g	3.71E+00	1.13E-05		1.01E-09
204	20	Subsurface	Cesium-137	pCi/g	1.17E+00	3.56E-06		3.19E-10
204	20	Subsurface	Protactinium-231	pCi/g	3.65E+01	1.11E-04		9.94E-09
204	20	Subsurface	Uranium-234	pCi/g	4.45E+02	1.35E-03		1.21E-07
204	20	Subsurface	Uranium-235	pCi/g	5.70E+01	1.73E-04		1.55E-08
204	20	Subsurface	Uranium-238	pCi/g	4.39E+03	1.33E-02		1.20E-06

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.17. Noncancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	21	Subsurface	Arsenic	mg/kg	8.60E+00	2.62E-05	5.67E-06	2.34E-09
204	21	Subsurface	Cobalt	mg/kg	1.80E+01	5.47E-05		4.90E-09
204	21	Subsurface	Manganese	mg/kg	1.13E+03	3.44E-03		3.08E-07
204	21	Subsurface	Vanadium	mg/kg	1.20E+02	3.65E-04		3.27E-08
204	21	Subsurface	PAH, Total	mg/kg	1.62E-02	4.94E-08	4.64E-08	4.42E-12
204	3	Subsurface	Arsenic	mg/kg	1.10E+01	3.35E-05	7.25E-06	3.00E-09
204	3	Subsurface	Manganese	mg/kg	1.05E+03	3.21E-03		2.87E-07
204	3	Subsurface	Silver	mg/kg	5.40E+01	1.64E-04		1.47E-08
204	3	Subsurface	Vanadium	mg/kg	1.22E+02	3.71E-04		3.32E-08
204	3	Subsurface	PAH, Total	mg/kg	3.52E-02	1.07E-07	1.01E-07	9.59E-12
204	3	Subsurface	Uranium-238	pCi/g	2.31E+00	7.02E-06		6.29E-10
204	4	Subsurface	Arsenic	mg/kg	1.10E+01	3.35E-05	7.25E-06	3.00E-09
204	4	Subsurface	Iron	mg/kg	2.92E+04	8.89E-02		7.96E-06
204	4	Subsurface	Manganese	mg/kg	8.97E+02	2.73E-03		2.44E-07
204	4	Subsurface	Molybdenum	mg/kg	4.10E+01	1.25E-04		1.12E-08
204	4	Subsurface	Silver	mg/kg	5.90E+01	1.79E-04		1.61E-08
204	4	Subsurface	Vanadium	mg/kg	1.39E+02	4.23E-04		3.79E-08
204	4	Subsurface	PAH, Total	mg/kg	2.33E-02	7.09E-08	6.66E-08	6.35E-12
204	4	Subsurface	Uranium-238	pCi/g	1.82E+00	5.53E-06		4.96E-10
204	5	Subsurface	Arsenic	mg/kg	5.67E+01	1.72E-04	3.74E-05	1.55E-08
204	5	Subsurface	Cobalt	mg/kg	1.04E+01	3.17E-05		2.84E-09
204	5	Subsurface	Manganese	mg/kg	9.75E+02	2.96E-03		2.66E-07
204	5	Subsurface	Vanadium	mg/kg	1.21E+02	3.69E-04		3.31E-08
204	5	Subsurface	PAH, Total	mg/kg	1.66E-02	5.05E-08	4.74E-08	4.52E-12
204	5	Subsurface	Uranium-238	pCi/g	6.60E+00	2.01E-05		1.80E-09
204	6	Subsurface	Arsenic	mg/kg	1.00E+01	3.04E-05	6.60E-06	2.72E-09
204	6	Subsurface	Iron	mg/kg	3.17E+04	9.64E-02		8.64E-06
204	6	Subsurface	Manganese	mg/kg	2.65E+03	8.05E-03		7.22E-07
204	6	Subsurface	Vanadium	mg/kg	1.25E+02	3.80E-04		3.41E-08
204	6	Subsurface	PAH, Total	mg/kg	3.25E-02	9.88E-08	9.29E-08	8.86E-12
204	6	Subsurface	Uranium-238	pCi/g	3.63E+00	1.10E-05		9.89E-10
204	7	Subsurface	Arsenic	mg/kg	1.70E+01	5.17E-05	1.12E-05	4.63E-09
204	7	Subsurface	Cobalt	mg/kg	1.50E+01	4.56E-05		4.09E-09
204	7	Subsurface	Iron	mg/kg	2.95E+04	8.96E-02		8.03E-06
204	7	Subsurface	Manganese	mg/kg	2.80E+03	8.52E-03		7.63E-07
204	7	Subsurface	Vanadium	mg/kg	1.27E+02	3.86E-04		3.46E-08
204	7	Subsurface	PAH, Total	mg/kg	9.68E-03	2.94E-08	2.77E-08	2.64E-12
204	7	Subsurface	Uranium-238	pCi/g	2.04E+00	6.20E-06		5.56E-10
204	8	Subsurface	Arsenic	mg/kg	8.40E+00	2.55E-05	5.54E-06	2.29E-09
204	8	Subsurface	Cobalt	mg/kg	1.40E+01	4.26E-05		3.81E-09
204	8	Subsurface	Iron	mg/kg	3.09E+04	9.41E-02		8.43E-06

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.17. Noncancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	8	Subsurface	Manganese	mg/kg	1.39E+03	4.21E-03		3.77E-07
204	8	Subsurface	Vanadium	mg/kg	1.32E+02	4.01E-04		3.60E-08
204	8	Subsurface	PAH, Total	mg/kg	7.37E-02	2.24E-07	2.10E-07	2.01E-11
204	8	Subsurface	Uranium-238	pCi/g	2.01E+00	6.11E-06		5.48E-10
204	9	Subsurface	Arsenic	mg/kg	8.40E+00	2.55E-05	5.54E-06	2.29E-09
204	9	Subsurface	Iron	mg/kg	3.06E+04	9.30E-02		8.34E-06
204	9	Subsurface	Manganese	mg/kg	9.10E+02	2.77E-03		2.48E-07
204	9	Subsurface	Vanadium	mg/kg	1.37E+02	4.17E-04		3.73E-08
204	9	Subsurface	PAH, Total	mg/kg	5.01E+00	1.52E-05	1.43E-05	1.37E-09
204	9	Subsurface	Uranium-238	pCi/g	2.22E+00	6.75E-06		6.05E-10
211	1	Subsurface	Antimony	mg/kg	9.74E+01	2.96E-04		2.66E-08
211	1	Subsurface	Arsenic	mg/kg	1.00E+01	3.04E-05	6.60E-06	2.72E-09
211	1	Subsurface	Cadmium	mg/kg	1.42E+01	4.31E-05	3.11E-07	3.86E-09
211	1	Subsurface	Chromium	mg/kg	4.84E+01	1.47E-04		1.32E-08
211	1	Subsurface	Cobalt	mg/kg	4.95E+01	1.51E-04		1.35E-08
211	1	Subsurface	Iron	mg/kg	4.71E+04	1.43E-01		1.28E-05
211	1	Subsurface	Thallium	mg/kg	6.02E-01	1.83E-06		1.64E-10
211	1	Subsurface	Uranium	mg/kg	4.85E+01	1.47E-04		1.32E-08
211	1	Subsurface	Vanadium	mg/kg	1.03E+02	3.13E-04		2.81E-08
211	1	Subsurface	PAH, Total	mg/kg	1.04E-01	3.16E-07	2.97E-07	2.83E-11
211	1	Subsurface	PCB, Total	mg/kg	1.00E+01	3.04E-05	3.08E-05	2.72E-09
211	1	Subsurface	Uranium-234	pCi/g	6.69E+01	2.03E-04		1.82E-08
211	1	Subsurface	Uranium-235	pCi/g	3.86E+00	1.17E-05		1.05E-09
211	1	Subsurface	Uranium-238	pCi/g	1.19E+02	3.62E-04		3.24E-08
224	1	Subsurface	Antimony	mg/kg	1.08E+02	3.29E-04		2.94E-08
224	1	Subsurface	Arsenic	mg/kg	1.00E+01	3.04E-05	6.60E-06	2.72E-09
224	1	Subsurface	Chromium	mg/kg	6.50E+01	1.98E-04		1.77E-08
224	1	Subsurface	Uranium	mg/kg	4.15E+01	1.26E-04		1.13E-08
224	1	Subsurface	PAH, Total	mg/kg	5.95E-01	1.81E-06	1.70E-06	1.62E-10
224	1	Subsurface	Cesium-137	pCi/g	3.70E-01	1.13E-06		1.01E-10
224	1	Subsurface	Uranium-238	pCi/g	1.39E+01	4.23E-05		3.79E-09
225	1	Subsurface	Antimony	mg/kg	5.41E+01	1.65E-04		1.47E-08
225	1	Subsurface	Arsenic	mg/kg	8.10E+00	2.46E-05	5.34E-06	2.21E-09
225	1	Subsurface	Manganese	mg/kg	8.55E+02	2.60E-03		2.33E-07
225	1	Subsurface	Vanadium	mg/kg	1.09E+02	3.31E-04		2.97E-08
225	1	Subsurface	PAH, Total	mg/kg	7.79E-02	2.37E-07	2.22E-07	2.12E-11
225	1	Subsurface	Cesium-137	pCi/g	4.17E-01	1.27E-06		1.14E-10
225	1	Subsurface	Uranium-238	pCi/g	2.04E+00	6.20E-06		5.56E-10
26	1	Subsurface	Aluminum	mg/kg	1.25E+04	3.81E-02		3.41E-06
26	1	Subsurface	Antimony	mg/kg	7.32E+01	2.23E-04		1.99E-08
26	1	Subsurface	Arsenic	mg/kg	1.01E+01	3.08E-05	6.68E-06	2.76E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.17. Noncancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
26	1	Subsurface	Beryllium	mg/kg	1.57E+01	4.78E-05		4.28E-09
26	1	Subsurface	Cadmium	mg/kg	1.03E+01	3.14E-05	2.27E-07	2.82E-09
26	1	Subsurface	Cobalt	mg/kg	1.17E+01	3.55E-05		3.18E-09
26	1	Subsurface	Iron	mg/kg	2.93E+04	8.90E-02		7.98E-06
26	1	Subsurface	Manganese	mg/kg	8.52E+02	2.59E-03		2.32E-07
26	1	Subsurface	Mercury	mg/kg	5.65E+01	1.72E-04		1.54E-08
26	1	Subsurface	Nickel	mg/kg	1.21E+02	3.69E-04		3.31E-08
26	1	Subsurface	Thallium	mg/kg	2.59E-01	7.88E-07		7.06E-11
26	1	Subsurface	Uranium	mg/kg	6.70E+02	2.04E-03		1.83E-07
26	1	Subsurface	Vanadium	mg/kg	1.61E+02	4.90E-04		4.39E-08
26	1	Subsurface	PAH, Total	mg/kg	2.97E-01	9.03E-07	8.49E-07	8.09E-11
26	1	Subsurface	PCB, Total	mg/kg	6.35E+00	1.93E-05	1.95E-05	1.73E-09
26	1	Subsurface	Uranium-234	pCi/g	8.04E+00	2.45E-05		2.19E-09
26	1	Subsurface	Uranium-235	pCi/g	1.27E+00	3.85E-06		3.45E-10
26	1	Subsurface	Uranium-238	pCi/g	6.95E+01	2.11E-04		1.89E-08
26	2	Subsurface	Aluminum	mg/kg	2.50E+04	7.62E-02		6.82E-06
26	2	Subsurface	Antimony	mg/kg	2.73E+02	8.31E-04		7.45E-08
26	2	Subsurface	Arsenic	mg/kg	4.78E+01	1.45E-04	3.15E-05	1.30E-08
26	2	Subsurface	Beryllium	mg/kg	1.54E+01	4.67E-05		4.19E-09
26	2	Subsurface	Cadmium	mg/kg	1.60E+01	4.87E-05	3.52E-07	4.36E-09
26	2	Subsurface	Chromium	mg/kg	7.26E+01	2.21E-04		1.98E-08
26	2	Subsurface	Cobalt	mg/kg	4.72E+01	1.43E-04		1.29E-08
26	2	Subsurface	Iron	mg/kg	4.46E+04	1.36E-01		1.22E-05
26	2	Subsurface	Manganese	mg/kg	9.14E+02	2.78E-03		2.49E-07
26	2	Subsurface	Mercury	mg/kg	2.36E+01	7.19E-05		6.44E-09
26	2	Subsurface	Nickel	mg/kg	1.08E+02	3.30E-04		2.95E-08
26	2	Subsurface	Thallium	mg/kg	1.68E+01	5.12E-05		4.58E-09
26	2	Subsurface	Uranium	mg/kg	1.15E+03	3.49E-03		3.13E-07
26	2	Subsurface	Vanadium	mg/kg	1.03E+02	3.13E-04		2.80E-08
26	2	Subsurface	PAH, Total	mg/kg	3.85E-01	1.17E-06	1.10E-06	1.05E-10
26	2	Subsurface	PCB, Total	mg/kg	8.33E+00	2.53E-05	2.56E-05	2.27E-09
26	2	Subsurface	Cesium-137	pCi/g	8.23E+00	2.50E-05		2.24E-09
26	2	Subsurface	Neptunium-237	pCi/g	2.04E-01	6.20E-07		5.56E-11
26	2	Subsurface	Radium-228	pCi/g	1.69E+00	5.14E-06		4.61E-10
26	2	Subsurface	Thorium-230	pCi/g	3.02E+00	9.17E-06		8.22E-10
26	2	Subsurface	Uranium-234	pCi/g	1.41E+01	4.29E-05		3.84E-09
26	2	Subsurface	Uranium-235	pCi/g	1.84E+00	5.59E-06		5.01E-10
26	2	Subsurface	Uranium-238	pCi/g	3.92E+01	1.19E-04		1.07E-08
26	3	Subsurface	Aluminum	mg/kg	9.30E+03	2.83E-02		2.53E-06
26	3	Subsurface	Antimony	mg/kg	6.79E+01	2.06E-04		1.85E-08
26	3	Subsurface	Arsenic	mg/kg	7.52E+01	2.29E-04	4.96E-05	2.05E-08

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.17. Noncancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
26	3	Subsurface	Chromium	mg/kg	6.47E+01	1.97E-04		1.76E-08
26	3	Subsurface	Cobalt	mg/kg	9.23E+00	2.81E-05		2.52E-09
26	3	Subsurface	Iron	mg/kg	3.45E+04	1.05E-01		9.40E-06
26	3	Subsurface	Manganese	mg/kg	5.74E+02	1.75E-03		1.56E-07
26	3	Subsurface	Mercury	mg/kg	1.79E+01	5.44E-05		4.88E-09
26	3	Subsurface	Molybdenum	mg/kg	4.40E+01	1.34E-04		1.20E-08
26	3	Subsurface	Thallium	mg/kg	2.51E+00	7.63E-06		6.84E-10
26	3	Subsurface	Uranium	mg/kg	2.05E+02	6.22E-04		5.58E-08
26	3	Subsurface	Vanadium	mg/kg	1.43E+02	4.34E-04		3.89E-08
26	3	Subsurface	PAH, Total	mg/kg	3.47E-01	1.06E-06	9.92E-07	9.46E-11
26	3	Subsurface	PCB, Total	mg/kg	5.51E+00	1.67E-05	1.69E-05	1.50E-09
26	3	Subsurface	Pentachlorophenol	mg/kg	1.61E+00	4.89E-06	8.83E-06	4.38E-10
26	3	Subsurface	Cesium-137	pCi/g	3.38E+00	1.03E-05		9.21E-10
26	3	Subsurface	Neptunium-237	pCi/g	3.35E-01	1.02E-06		9.13E-11
26	3	Subsurface	Uranium-234	pCi/g	3.89E+00	1.18E-05		1.06E-09
26	3	Subsurface	Uranium-235	pCi/g	2.91E-01	8.85E-07		7.93E-11
26	3	Subsurface	Uranium-238	pCi/g	5.86E+00	1.78E-05		1.60E-09
26	4	Subsurface	Aluminum	mg/kg	1.20E+04	3.66E-02		3.28E-06
26	4	Subsurface	Antimony	mg/kg	7.32E+01	2.23E-04		1.99E-08
26	4	Subsurface	Arsenic	mg/kg	6.05E+01	1.84E-04	3.99E-05	1.65E-08
26	4	Subsurface	Cadmium	mg/kg	9.00E+00	2.74E-05	1.98E-07	2.45E-09
26	4	Subsurface	Chromium	mg/kg	1.02E+02	3.10E-04		2.78E-08
26	4	Subsurface	Cobalt	mg/kg	1.47E+01	4.46E-05		3.99E-09
26	4	Subsurface	Copper	mg/kg	3.24E+03	9.85E-03		8.83E-07
26	4	Subsurface	Iron	mg/kg	3.21E+04	9.75E-02		8.74E-06
26	4	Subsurface	Manganese	mg/kg	7.87E+02	2.39E-03		2.14E-07
26	4	Subsurface	Mercury	mg/kg	1.90E+01	5.77E-05		5.17E-09
26	4	Subsurface	Molybdenum	mg/kg	4.08E+01	1.24E-04		1.11E-08
26	4	Subsurface	Nickel	mg/kg	1.21E+04	3.67E-02		3.29E-06
26	4	Subsurface	Thallium	mg/kg	1.53E+00	4.64E-06		4.16E-10
26	4	Subsurface	Uranium	mg/kg	1.34E+03	4.08E-03		3.65E-07
26	4	Subsurface	Vanadium	mg/kg	1.42E+02	4.32E-04		3.87E-08
26	4	Subsurface	PAH, Total	mg/kg	4.28E+00	1.30E-05	1.22E-05	1.17E-09
26	4	Subsurface	PCB, Total	mg/kg	7.96E+00	2.42E-05	2.45E-05	2.17E-09
26	4	Subsurface	Cesium-137	pCi/g	4.69E+00	1.43E-05		1.28E-09
26	4	Subsurface	Neptunium-237	pCi/g	3.87E+01	1.18E-04		1.05E-08
26	4	Subsurface	Plutonium-239/240	pCi/g	1.51E+01	4.60E-05		4.13E-09
26	4	Subsurface	Technetium-99	pCi/g	3.81E+03	1.16E-02		1.04E-06
26	4	Subsurface	Thorium-230	pCi/g	8.68E+01	2.64E-04		2.36E-08
26	4	Subsurface	Uranium-234	pCi/g	3.46E+02	1.05E-03		9.43E-08
26	4	Subsurface	Uranium-235	pCi/g	2.46E+01	7.47E-05		6.69E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.17. Noncancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
26	4	Subsurface	Uranium-238	pCi/g	8.24E+02	2.51E-03		2.25E-07
565	1	Subsurface	Cesium-137	pCi/g	4.00E-01	1.22E-06		1.09E-10
77	1	Subsurface	Chromium	mg/kg	8.30E+01	2.52E-04		2.26E-08
77	1	Subsurface	Iron	mg/kg	5.03E+04	1.53E-01		1.37E-05
77	1	Subsurface	Uranium	mg/kg	6.66E+02	2.03E-03		1.81E-07
77	1	Subsurface	Vanadium	mg/kg	1.68E+02	5.11E-04		4.58E-08
77	1	Subsurface	PAH, Total	mg/kg	7.02E-02	2.13E-07	2.01E-07	1.91E-11
77	1	Subsurface	PCB, Total	mg/kg	5.00E+00	1.52E-05	1.54E-05	1.36E-09
77	1	Subsurface	Thorium-230	pCi/g	1.03E+01	3.13E-05		2.81E-09
77	1	Subsurface	Uranium-238	pCi/g	1.53E+01	4.65E-05		4.17E-09
80	1	Subsurface	Uranium	mg/kg	9.80E+01	2.98E-04		2.67E-08
80	1	Subsurface	Dioxins/Furans, Total	mg/kg	8.82E-05	2.68E-10	5.82E-11	2.40E-14
80	1	Subsurface	PCB, Total	mg/kg	1.20E+02	3.65E-04	3.69E-04	3.27E-08
80	2	Subsurface	Antimony	mg/kg	7.57E+01	2.30E-04		2.06E-08
80	2	Subsurface	Arsenic	mg/kg	1.01E+01	3.06E-05	6.64E-06	2.74E-09
80	2	Subsurface	Chromium	mg/kg	1.65E+02	5.02E-04		4.50E-08
80	2	Subsurface	Cobalt	mg/kg	1.90E+01	5.78E-05		5.18E-09
80	2	Subsurface	Iron	mg/kg	3.52E+04	1.07E-01		9.58E-06
80	2	Subsurface	Manganese	mg/kg	1.20E+03	3.65E-03		3.27E-07
80	2	Subsurface	Uranium	mg/kg	5.72E+03	1.74E-02		1.56E-06
80	2	Subsurface	Vanadium	mg/kg	1.29E+02	3.92E-04		3.52E-08
80	2	Subsurface	PAH, Total	mg/kg	7.21E-01	2.19E-06	2.06E-06	1.97E-10
80	2	Subsurface	PCB, Total	mg/kg	1.26E+01	3.83E-05	3.88E-05	3.43E-09
80	2	Subsurface	Americium-241	pCi/g	6.40E+00	1.95E-05		1.74E-09
80	2	Subsurface	Cesium-137	pCi/g	8.40E-01	2.55E-06		2.29E-10
80	2	Subsurface	Neptunium-237	pCi/g	5.05E-01	1.54E-06		1.38E-10
80	2	Subsurface	Uranium-234	pCi/g	2.29E+02	6.96E-04		6.24E-08
80	2	Subsurface	Uranium-235	pCi/g	3.00E+01	9.12E-05		8.17E-09
80	2	Subsurface	Uranium-238	pCi/g	1.92E+03	5.84E-03		5.23E-07
80	3	Subsurface	Antimony	mg/kg	9.99E+01	3.04E-04		2.72E-08
80	3	Subsurface	Arsenic	mg/kg	1.04E+01	3.17E-05	6.89E-06	2.84E-09
80	3	Subsurface	Cadmium	mg/kg	1.84E+01	5.60E-05	4.05E-07	5.01E-09
80	3	Subsurface	Iron	mg/kg	3.41E+04	1.04E-01		9.29E-06
80	3	Subsurface	Manganese	mg/kg	1.00E+03	3.04E-03		2.73E-07
80	3	Subsurface	Mercury	mg/kg	7.98E+01	2.43E-04		2.17E-08
80	3	Subsurface	Molybdenum	mg/kg	3.56E+01	1.08E-04		9.69E-09
80	3	Subsurface	Uranium	mg/kg	7.32E+01	2.23E-04		2.00E-08
80	3	Subsurface	Vanadium	mg/kg	1.27E+02	3.85E-04		3.45E-08
80	3	Subsurface	PAH, Total	mg/kg	4.46E-01	1.36E-06	1.27E-06	1.22E-10
80	3	Subsurface	PCB, Total	mg/kg	5.68E+02	1.73E-03	1.75E-03	1.55E-07
80	3	Subsurface	Uranium-238	pCi/g	2.91E+00	8.85E-06		7.93E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.18. Cancerous CDIs for the Excavation Worker

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
13	1	Subsurface	Manganese	mg/kg	6.06E+02	1.32E-04		1.18E-05	
13	1	Subsurface	Vanadium	mg/kg	9.23E+01	2.01E-05		1.80E-06	
13	1	Subsurface	PCB, Total	mg/kg	9.42E+00	2.05E-06	2.07E-06	1.83E-07	
13	1	Subsurface	Uranium-238	pCi/g	1.20E+00	5.34E+02		1.44E-02	7.93E-01
13	10	Subsurface	Iron	mg/kg	3.80E+04	8.25E-03		7.39E-04	
13	10	Subsurface	Manganese	mg/kg	3.09E+03	6.71E-04		6.01E-05	
13	10	Subsurface	Silver	mg/kg	5.40E+01	1.17E-05		1.05E-06	
13	10	Subsurface	Vanadium	mg/kg	1.30E+02	2.82E-05		2.53E-06	
13	11	Subsurface	Manganese	mg/kg	7.58E+02	1.65E-04		1.47E-05	
13	11	Subsurface	Silver	mg/kg	1.03E+02	2.23E-05		2.00E-06	
13	11	Subsurface	Vanadium	mg/kg	1.14E+02	2.47E-05		2.21E-06	
13	11	Subsurface	PCB, Total	mg/kg	1.03E+01	2.25E-06	2.27E-06	2.01E-07	
13	12	Subsurface	Iron	mg/kg	2.30E+04	5.00E-03		4.48E-04	
13	12	Subsurface	Manganese	mg/kg	1.35E+03	2.94E-04		2.63E-05	
13	12	Subsurface	Silver	mg/kg	1.49E+02	3.23E-05		2.90E-06	
13	12	Subsurface	Vanadium	mg/kg	1.16E+02	2.52E-05		2.26E-06	
13	12	Subsurface	PCB, Total	mg/kg	1.03E+01	2.24E-06	2.26E-06	2.00E-07	
13	13	Subsurface	Iron	mg/kg	2.89E+04	6.29E-03		5.63E-04	
13	13	Subsurface	Manganese	mg/kg	1.13E+03	2.45E-04		2.19E-05	
13	13	Subsurface	Molybdenum	mg/kg	2.72E+01	5.91E-06		5.29E-07	
13	13	Subsurface	Vanadium	mg/kg	1.19E+02	2.57E-05		2.31E-06	
13	14	Subsurface	Manganese	mg/kg	5.56E+02	1.21E-04		1.08E-05	
13	14	Subsurface	Vanadium	mg/kg	1.22E+02	2.66E-05		2.38E-06	
13	14	Subsurface	PAH, Total	mg/kg	5.41E-01	1.18E-07	1.10E-07	1.05E-08	
13	14	Subsurface	PCB, Total	mg/kg	1.06E+01	2.30E-06	2.33E-06	2.06E-07	
13	14	Subsurface	Uranium-238	pCi/g	3.85E+00	1.71E+03		4.59E-02	2.60E+00
13	2	Subsurface	Arsenic	mg/kg	1.04E+01	2.26E-06	4.90E-07	2.02E-07	
13	2	Subsurface	Iron	mg/kg	2.47E+04	5.38E-03		4.82E-04	
13	2	Subsurface	Manganese	mg/kg	1.22E+03	2.66E-04		2.38E-05	
13	2	Subsurface	Vanadium	mg/kg	9.38E+01	2.04E-05		1.83E-06	
13	2	Subsurface	Uranium-238	pCi/g	9.95E-01	4.42E+02		1.19E-02	6.72E-01
13	3	Subsurface	Iron	mg/kg	2.63E+04	5.71E-03		5.12E-04	
13	3	Subsurface	Manganese	mg/kg	1.09E+03	2.38E-04		2.13E-05	
13	3	Subsurface	Molybdenum	mg/kg	2.18E+01	4.74E-06		4.25E-07	
13	3	Subsurface	Vanadium	mg/kg	9.88E+01	2.15E-05		1.92E-06	
13	3	Subsurface	PAH, Total	mg/kg	4.93E-01	1.07E-07	1.01E-07	9.60E-09	
13	4	Subsurface	Iron	mg/kg	2.75E+04	5.97E-03		5.35E-04	
13	4	Subsurface	Manganese	mg/kg	1.00E+03	2.18E-04		1.95E-05	
13	4	Subsurface	Vanadium	mg/kg	9.81E+01	2.13E-05		1.91E-06	
13	4	Subsurface	PAH, Total	mg/kg	5.59E-01	1.21E-07	1.14E-07	1.09E-08	
13	4	Subsurface	PCB, Total	mg/kg	1.09E+01	2.37E-06	2.40E-06	2.12E-07	
13	4	Subsurface	Cobalt-60	pCi/g	8.06E-02	2.63E+01		7.06E-04	4.00E-02
13	4	Subsurface	Uranium-238	pCi/g	3.27E+00	1.45E+03		3.90E-02	2.21E+00
13	5	Subsurface	Aluminum	mg/kg	9.74E+03	2.12E-03		1.90E-04	
13	5	Subsurface	Chromium	mg/kg	9.37E+01	2.04E-05		1.82E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.18. Cancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
13	5	Subsurface	Iron	mg/kg	2.42E+04	5.26E-03		4.71E-04	
13	5	Subsurface	Manganese	mg/kg	9.08E+02	1.97E-04		1.77E-05	
13	5	Subsurface	Uranium	mg/kg	7.38E+01	1.60E-05		1.44E-06	
13	5	Subsurface	Vanadium	mg/kg	1.06E+02	2.29E-05		2.05E-06	
13	5	Subsurface	PAH, Total	mg/kg	5.43E-01	1.18E-07	1.11E-07	1.06E-08	
13	5	Subsurface	PCB, Total	mg/kg	1.03E+01	2.24E-06	2.27E-06	2.01E-07	
13	5	Subsurface	Cesium-137	pCi/g	3.52E-01	1.48E+02		3.97E-03	2.25E-01
13	5	Subsurface	Neptunium-237	pCi/g	3.60E-01	1.60E+02		4.30E-03	2.43E-01
13	5	Subsurface	Technetium-99	pCi/g	9.19E+01	4.08E+04		1.10E+00	6.21E+01
13	5	Subsurface	Uranium-234	pCi/g	2.02E+01	8.95E+03		2.41E-01	1.36E+01
13	5	Subsurface	Uranium-235	pCi/g	2.73E+00	1.21E+03		3.26E-02	1.84E+00
13	5	Subsurface	Uranium-238	pCi/g	3.77E+01	1.68E+04		4.50E-01	2.55E+01
13	6	Subsurface	Cadmium	mg/kg	4.68E+00	1.02E-06	7.35E-09	9.12E-08	
13	6	Subsurface	Iron	mg/kg	3.09E+04	6.71E-03		6.01E-04	
13	6	Subsurface	Manganese	mg/kg	9.46E+02	2.05E-04		1.84E-05	
13	6	Subsurface	Uranium	mg/kg	3.67E+01	7.97E-06		7.14E-07	
13	6	Subsurface	Vanadium	mg/kg	1.20E+02	2.60E-05		2.33E-06	
13	6	Subsurface	PAH, Total	mg/kg	8.43E-01	1.83E-07	1.72E-07	1.64E-08	
13	6	Subsurface	PCB, Total	mg/kg	7.04E+00	1.53E-06	1.55E-06	1.37E-07	
13	6	Subsurface	Cesium-137	pCi/g	2.02E-01	8.47E+01		2.28E-03	1.29E-01
13	6	Subsurface	Neptunium-237	pCi/g	6.23E-01	2.77E+02		7.44E-03	4.21E-01
13	6	Subsurface	Technetium-99	pCi/g	8.38E+01	3.72E+04		1.00E+00	5.66E+01
13	6	Subsurface	Uranium-234	pCi/g	1.55E+01	6.89E+03		1.85E-01	1.05E+01
13	6	Subsurface	Uranium-235	pCi/g	1.16E+00	5.15E+02		1.39E-02	7.85E-01
13	6	Subsurface	Uranium-238	pCi/g	3.25E+01	1.44E+04		3.88E-01	2.19E+01
13	7	Subsurface	Iron	mg/kg	2.78E+04	6.05E-03		5.42E-04	
13	7	Subsurface	Silver	mg/kg	7.79E+01	1.69E-05		1.52E-06	
13	7	Subsurface	Vanadium	mg/kg	1.22E+02	2.64E-05		2.37E-06	
13	7	Subsurface	PCB, Total	mg/kg	1.08E+01	2.35E-06	2.38E-06	2.11E-07	
13	7	Subsurface	Uranium-238	pCi/g	3.69E+00	1.64E+03		4.41E-02	2.50E+00
13	8	Subsurface	Iron	mg/kg	2.41E+04	5.24E-03		4.69E-04	
13	8	Subsurface	Manganese	mg/kg	1.12E+03	2.44E-04		2.18E-05	
13	8	Subsurface	Vanadium	mg/kg	9.97E+01	2.17E-05		1.94E-06	
13	8	Subsurface	PAH, Total	mg/kg	5.39E-01	1.17E-07	1.10E-07	1.05E-08	
13	9	Subsurface	Arsenic	mg/kg	1.25E+01	2.71E-06	5.87E-07	2.43E-07	
13	9	Subsurface	Vanadium	mg/kg	1.17E+02	2.53E-05		2.27E-06	
13	9	Subsurface	PAH, Total	mg/kg	4.60E-01	9.99E-08	9.39E-08	8.95E-09	
13	9	Subsurface	Cesium-137	pCi/g	2.64E-01	1.11E+02		2.98E-03	1.69E-01
13	9	Subsurface	Neptunium-237	pCi/g	5.15E-01	2.29E+02		6.15E-03	3.48E-01
13	9	Subsurface	Uranium-238	pCi/g	3.78E+00	1.68E+03		4.51E-02	2.55E+00
15	1	Subsurface	Antimony	mg/kg	1.08E+02	2.35E-05		2.11E-06	
15	1	Subsurface	Arsenic	mg/kg	1.32E+01	2.86E-06	6.20E-07	2.56E-07	
15	1	Subsurface	Cadmium	mg/kg	2.72E+01	5.90E-06	4.27E-08	5.29E-07	
15	1	Subsurface	Chromium	mg/kg	8.29E+01	1.80E-05		1.61E-06	
15	1	Subsurface	Iron	mg/kg	2.97E+04	6.45E-03		5.78E-04	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.18. Cancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	1	Subsurface	Manganese	mg/kg	6.01E+02	1.31E-04		1.17E-05	
15	1	Subsurface	Nickel	mg/kg	1.39E+02	3.01E-05		2.70E-06	
15	1	Subsurface	Thallium	mg/kg	1.31E+01	2.85E-06		2.55E-07	
15	1	Subsurface	Uranium	mg/kg	3.23E+01	7.01E-06		6.28E-07	
15	1	Subsurface	Vanadium	mg/kg	8.40E+01	1.83E-05		1.64E-06	
15	1	Subsurface	PAH, Total	mg/kg	1.16E+00	2.51E-07	2.36E-07	2.25E-08	
15	1	Subsurface	Technetium-99	pCi/g	1.06E+02	4.72E+04		1.27E+00	7.18E+01
15	1	Subsurface	Uranium-238	pCi/g	1.30E+00	5.75E+02		1.55E-02	8.75E-01
15	10	Subsurface	Antimony	mg/kg	1.26E+02	2.74E-05		2.45E-06	
15	10	Subsurface	Arsenic	mg/kg	9.75E+00	2.12E-06	4.59E-07	1.90E-07	
15	10	Subsurface	Cadmium	mg/kg	1.67E+01	3.63E-06	2.62E-08	3.25E-07	
15	10	Subsurface	Chromium	mg/kg	6.29E+01	1.37E-05		1.22E-06	
15	10	Subsurface	Mercury	mg/kg	7.84E+00	1.70E-06		1.53E-07	
15	10	Subsurface	Nickel	mg/kg	2.26E+02	4.92E-05		4.41E-06	
15	10	Subsurface	Uranium	mg/kg	9.02E+01	1.96E-05		1.75E-06	
15	10	Subsurface	PAH, Total	mg/kg	1.28E-01	2.79E-08	2.62E-08	2.50E-09	
15	2	Subsurface	Aluminum	mg/kg	1.68E+04	3.65E-03		3.27E-04	
15	2	Subsurface	Antimony	mg/kg	1.08E+02	2.34E-05		2.10E-06	
15	2	Subsurface	Arsenic	mg/kg	1.63E+01	3.53E-06	7.66E-07	3.16E-07	
15	2	Subsurface	Cadmium	mg/kg	1.51E+01	3.29E-06	2.38E-08	2.95E-07	
15	2	Subsurface	Chromium	mg/kg	5.90E+01	1.28E-05		1.15E-06	
15	2	Subsurface	Iron	mg/kg	3.89E+04	8.45E-03		7.57E-04	
15	2	Subsurface	Manganese	mg/kg	1.37E+03	2.98E-04		2.67E-05	
15	2	Subsurface	Mercury	mg/kg	9.33E+00	2.03E-06		1.82E-07	
15	2	Subsurface	Nickel	mg/kg	3.75E+02	8.14E-05		7.29E-06	
15	2	Subsurface	Thallium	mg/kg	3.50E-01	7.60E-08		6.81E-09	
15	2	Subsurface	Uranium	mg/kg	1.32E+02	2.86E-05		2.56E-06	
15	2	Subsurface	Vanadium	mg/kg	9.38E+01	2.04E-05		1.83E-06	
15	2	Subsurface	PAH, Total	mg/kg	2.11E+00	4.58E-07	4.30E-07	4.10E-08	
15	2	Subsurface	PCB, Total	mg/kg	3.30E-01	7.17E-08	7.25E-08	6.42E-09	
15	2	Subsurface	Neptunium-237	pCi/g	5.56E-01	2.47E+02		6.64E-03	3.76E-01
15	2	Subsurface	Uranium-234	pCi/g	6.51E+00	2.89E+03		7.77E-02	4.40E+00
15	2	Subsurface	Uranium-235	pCi/g	3.80E-01	1.69E+02		4.54E-03	2.57E-01
15	2	Subsurface	Uranium-238	pCi/g	1.21E+01	5.37E+03		1.44E-01	8.18E+00
15	3	Subsurface	Antimony	mg/kg	1.15E+02	2.50E-05		2.24E-06	
15	3	Subsurface	Arsenic	mg/kg	3.65E+01	7.93E-06	1.72E-06	7.11E-07	
15	3	Subsurface	Cadmium	mg/kg	1.89E+01	4.11E-06	2.97E-08	3.69E-07	
15	3	Subsurface	Chromium	mg/kg	8.13E+01	1.77E-05		1.58E-06	
15	3	Subsurface	Cobalt	mg/kg	2.37E+01	5.15E-06		4.61E-07	
15	3	Subsurface	Copper	mg/kg	1.60E+03	3.47E-04		3.11E-05	
15	3	Subsurface	Iron	mg/kg	9.52E+04	2.07E-02		1.85E-03	
15	3	Subsurface	Manganese	mg/kg	1.62E+03	3.51E-04		3.15E-05	
15	3	Subsurface	Mercury	mg/kg	2.08E+01	4.52E-06		4.05E-07	
15	3	Subsurface	Nickel	mg/kg	8.38E+02	1.82E-04		1.63E-05	
15	3	Subsurface	Thallium	mg/kg	1.64E+01	3.56E-06		3.19E-07	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.18. Cancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	3	Subsurface	Uranium	mg/kg	2.16E+02	4.69E-05		4.20E-06	
15	3	Subsurface	Vanadium	mg/kg	7.72E+01	1.68E-05		1.50E-06	
15	3	Subsurface	PAH, Total	mg/kg	9.85E-01	2.14E-07	2.01E-07	1.92E-08	
15	3	Subsurface	PCB, Total	mg/kg	1.40E+01	3.03E-06	3.07E-06	2.72E-07	
15	3	Subsurface	Neptunium-237	pCi/g	4.06E+00	1.80E+03		4.85E-02	2.74E+00
15	3	Subsurface	Technetium-99	pCi/g	2.08E+02	9.25E+04		2.49E+00	1.41E+02
15	3	Subsurface	Thorium-230	pCi/g	4.61E+00	2.05E+03		5.50E-02	3.12E+00
15	3	Subsurface	Uranium-234	pCi/g	1.91E+02	8.47E+04		2.28E+00	1.29E+02
15	3	Subsurface	Uranium-235	pCi/g	2.15E+01	9.54E+03		2.56E-01	1.45E+01
15	3	Subsurface	Uranium-238	pCi/g	1.08E+03	4.78E+05		1.28E+01	7.27E+02
15	4	Subsurface	Antimony	mg/kg	9.30E+01	2.02E-05		1.81E-06	
15	4	Subsurface	Arsenic	mg/kg	3.37E+01	7.31E-06	1.59E-06	6.55E-07	
15	4	Subsurface	Cadmium	mg/kg	1.34E+01	2.92E-06	2.11E-08	2.62E-07	
15	4	Subsurface	Chromium	mg/kg	8.55E+01	1.86E-05		1.66E-06	
15	4	Subsurface	Copper	mg/kg	6.00E+02	1.30E-04		1.17E-05	
15	4	Subsurface	Iron	mg/kg	6.97E+04	1.51E-02		1.36E-03	
15	4	Subsurface	Manganese	mg/kg	1.29E+03	2.80E-04		2.51E-05	
15	4	Subsurface	Mercury	mg/kg	5.08E+01	1.10E-05		9.88E-07	
15	4	Subsurface	Nickel	mg/kg	1.24E+03	2.70E-04		2.42E-05	
15	4	Subsurface	Thallium	mg/kg	2.06E+01	4.48E-06		4.02E-07	
15	4	Subsurface	Uranium	mg/kg	1.29E+02	2.80E-05		2.51E-06	
15	4	Subsurface	Vanadium	mg/kg	7.58E+01	1.65E-05		1.48E-06	
15	4	Subsurface	PAH, Total	mg/kg	1.25E+00	2.71E-07	2.54E-07	2.43E-08	
15	4	Subsurface	PCB, Total	mg/kg	3.13E+01	6.80E-06	6.88E-06	6.09E-07	
15	4	Subsurface	Neptunium-237	pCi/g	4.33E-01	1.92E+02		5.17E-03	2.93E-01
15	4	Subsurface	Uranium-234	pCi/g	5.74E+00	2.55E+03		6.85E-02	3.88E+00
15	4	Subsurface	Uranium-235	pCi/g	2.69E-01	1.19E+02		3.21E-03	1.82E-01
15	4	Subsurface	Uranium-238	pCi/g	9.63E+00	4.27E+03		1.15E-01	6.51E+00
15	5	Subsurface	Aluminum	mg/kg	9.61E+03	2.09E-03		1.87E-04	
15	5	Subsurface	Antimony	mg/kg	1.22E+02	2.65E-05		2.37E-06	
15	5	Subsurface	Arsenic	mg/kg	1.33E+01	2.89E-06	6.26E-07	2.59E-07	
15	5	Subsurface	Cadmium	mg/kg	1.80E+01	3.92E-06	2.83E-08	3.51E-07	
15	5	Subsurface	Chromium	mg/kg	6.58E+01	1.43E-05		1.28E-06	
15	5	Subsurface	Copper	mg/kg	5.63E+03	1.22E-03		1.10E-04	
15	5	Subsurface	Iron	mg/kg	2.31E+04	5.01E-03		4.49E-04	
15	5	Subsurface	Manganese	mg/kg	7.28E+02	1.58E-04		1.42E-05	
15	5	Subsurface	Mercury	mg/kg	1.96E+01	4.25E-06		3.81E-07	
15	5	Subsurface	Nickel	mg/kg	3.48E+02	7.56E-05		6.78E-06	
15	5	Subsurface	Uranium	mg/kg	1.74E+02	3.77E-05		3.38E-06	
15	5	Subsurface	Zinc	mg/kg	1.53E+03	3.31E-04		2.97E-05	
15	5	Subsurface	PAH, Total	mg/kg	3.31E-01	7.19E-08	6.76E-08	6.44E-09	
15	5	Subsurface	PCB, Total	mg/kg	4.64E+01	1.01E-05	1.02E-05	9.03E-07	
15	5	Subsurface	Neptunium-237	pCi/g	5.30E-01	2.35E+02		6.33E-03	3.58E-01
15	5	Subsurface	Uranium-235	pCi/g	3.62E-01	1.61E+02		4.32E-03	2.45E-01
15	5	Subsurface	Uranium-238	pCi/g	8.14E+00	3.62E+03		9.72E-02	5.50E+00

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.18. Cancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	6	Subsurface	Antimony	mg/kg	9.94E+01	2.16E-05		1.93E-06	
15	6	Subsurface	Arsenic	mg/kg	1.20E+01	2.61E-06	5.67E-07	2.34E-07	
15	6	Subsurface	Cadmium	mg/kg	2.50E+01	5.44E-06	3.93E-08	4.87E-07	
15	6	Subsurface	Chromium	mg/kg	7.97E+01	1.73E-05		1.55E-06	
15	6	Subsurface	Cobalt	mg/kg	1.13E+01	2.45E-06		2.20E-07	
15	6	Subsurface	Copper	mg/kg	4.28E+02	9.30E-05		8.33E-06	
15	6	Subsurface	Iron	mg/kg	3.29E+04	7.14E-03		6.40E-04	
15	6	Subsurface	Manganese	mg/kg	6.96E+02	1.51E-04		1.36E-05	
15	6	Subsurface	Mercury	mg/kg	1.87E+01	4.06E-06		3.64E-07	
15	6	Subsurface	Nickel	mg/kg	3.00E+02	6.52E-05		5.85E-06	
15	6	Subsurface	Uranium	mg/kg	6.26E+01	1.36E-05		1.22E-06	
15	6	Subsurface	PAH, Total	mg/kg	1.25E+00	2.71E-07	2.55E-07	2.43E-08	
15	6	Subsurface	PCB, Total	mg/kg	6.17E+00	1.34E-06	1.36E-06	1.20E-07	
15	6	Subsurface	Neptunium-237	pCi/g	4.93E-01	2.19E+02		5.88E-03	3.33E-01
15	6	Subsurface	Uranium-234	pCi/g	6.91E+00	3.07E+03		8.25E-02	4.67E+00
15	6	Subsurface	Uranium-235	pCi/g	4.48E-01	1.99E+02		5.35E-03	3.03E-01
15	6	Subsurface	Uranium-238	pCi/g	1.21E+01	5.35E+03		1.44E-01	8.14E+00
15	7	Subsurface	Aluminum	mg/kg	1.13E+04	2.45E-03		2.19E-04	
15	7	Subsurface	Antimony	mg/kg	1.41E+02	3.07E-05		2.75E-06	
15	7	Subsurface	Arsenic	mg/kg	1.61E+01	3.50E-06	7.60E-07	3.14E-07	
15	7	Subsurface	Cadmium	mg/kg	2.78E+01	6.03E-06	4.36E-08	5.41E-07	
15	7	Subsurface	Chromium	mg/kg	6.54E+01	1.42E-05		1.27E-06	
15	7	Subsurface	Copper	mg/kg	6.02E+02	1.31E-04		1.17E-05	
15	7	Subsurface	Iron	mg/kg	3.45E+04	7.49E-03		6.71E-04	
15	7	Subsurface	Manganese	mg/kg	1.17E+03	2.54E-04		2.27E-05	
15	7	Subsurface	Nickel	mg/kg	5.59E+02	1.21E-04		1.09E-05	
15	7	Subsurface	Uranium	mg/kg	5.34E+01	1.16E-05		1.04E-06	
15	7	Subsurface	PAH, Total	mg/kg	1.24E-01	2.69E-08	2.53E-08	2.41E-09	
15	7	Subsurface	PCB, Total	mg/kg	2.55E+01	5.55E-06	5.61E-06	4.97E-07	
15	7	Subsurface	Uranium-234	pCi/g	4.27E+00	1.90E+03		5.10E-02	2.89E+00
15	7	Subsurface	Uranium-235	pCi/g	2.96E-01	1.31E+02		3.53E-03	2.00E-01
15	7	Subsurface	Uranium-238	pCi/g	6.39E+00	2.84E+03		7.63E-02	4.32E+00
15	8	Subsurface	Antimony	mg/kg	9.93E+01	2.16E-05		1.93E-06	
15	8	Subsurface	Arsenic	mg/kg	1.14E+01	2.48E-06	5.38E-07	2.22E-07	
15	8	Subsurface	Cadmium	mg/kg	1.68E+01	3.65E-06	2.64E-08	3.27E-07	
15	8	Subsurface	Chromium	mg/kg	7.53E+01	1.64E-05		1.47E-06	
15	8	Subsurface	Iron	mg/kg	2.83E+04	6.14E-03		5.50E-04	
15	8	Subsurface	Manganese	mg/kg	6.03E+02	1.31E-04		1.17E-05	
15	8	Subsurface	Mercury	mg/kg	1.73E+01	3.76E-06		3.37E-07	
15	8	Subsurface	Nickel	mg/kg	1.82E+02	3.96E-05		3.55E-06	
15	8	Subsurface	Uranium	mg/kg	4.46E+01	9.68E-06		8.67E-07	
15	8	Subsurface	PAH, Total	mg/kg	2.80E-01	6.08E-08	5.72E-08	5.45E-09	
15	8	Subsurface	PCB, Total	mg/kg	6.29E+00	1.37E-06	1.38E-06	1.22E-07	
15	8	Subsurface	Neptunium-237	pCi/g	2.83E-01	1.26E+02		3.38E-03	1.91E-01
15	8	Subsurface	Uranium-238	pCi/g	4.52E+00	2.01E+03		5.40E-02	3.06E+00

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.18. Cancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	9	Subsurface	Antimony	mg/kg	1.22E+02	2.66E-05		2.38E-06	
15	9	Subsurface	Arsenic	mg/kg	1.31E+01	2.84E-06	6.17E-07	2.55E-07	
15	9	Subsurface	Cadmium	mg/kg	2.81E+01	6.10E-06	4.41E-08	5.46E-07	
15	9	Subsurface	Chromium	mg/kg	8.92E+01	1.94E-05		1.74E-06	
15	9	Subsurface	Iron	mg/kg	3.02E+04	6.56E-03		5.88E-04	
15	9	Subsurface	Manganese	mg/kg	1.57E+03	3.40E-04		3.05E-05	
15	9	Subsurface	Mercury	mg/kg	1.74E+01	3.78E-06		3.38E-07	
15	9	Subsurface	Nickel	mg/kg	1.49E+02	3.24E-05		2.90E-06	
15	9	Subsurface	Uranium	mg/kg	3.07E+01	6.66E-06		5.97E-07	
15	9	Subsurface	Vanadium	mg/kg	7.33E+01	1.59E-05		1.43E-06	
15	9	Subsurface	PAH, Total	mg/kg	1.85E-01	4.02E-08	3.78E-08	3.60E-09	
15	9	Subsurface	PCB, Total	mg/kg	6.51E+00	1.41E-06	1.43E-06	1.27E-07	
15	9	Subsurface	Uranium-238	pCi/g	4.68E+00	2.08E+03		5.59E-02	3.16E+00
204	1	Subsurface	Aluminum	mg/kg	1.18E+04	2.56E-03		2.29E-04	
204	1	Subsurface	Manganese	mg/kg	6.80E+02	1.48E-04		1.32E-05	
204	1	Subsurface	Vanadium	mg/kg	1.21E+02	2.62E-05		2.35E-06	
204	1	Subsurface	PAH, Total	mg/kg	4.93E-01	1.07E-07	1.01E-07	9.60E-09	
204	1	Subsurface	Uranium-238	pCi/g	1.37E+00	6.07E+02		1.63E-02	9.23E-01
204	10	Subsurface	Antimony	mg/kg	1.20E+01	2.61E-06		2.34E-07	
204	10	Subsurface	Iron	mg/kg	4.10E+04	8.90E-03		7.97E-04	
204	10	Subsurface	Vanadium	mg/kg	1.33E+02	2.89E-05		2.59E-06	
204	10	Subsurface	PAH, Total	mg/kg	6.42E-02	1.39E-08	1.31E-08	1.25E-09	
204	10	Subsurface	Cesium-137	pCi/g	2.83E-01	1.19E+02		3.19E-03	1.81E-01
204	10	Subsurface	Uranium-238	pCi/g	3.15E+00	1.40E+03		3.76E-02	2.13E+00
204	11	Subsurface	Arsenic	mg/kg	8.80E+00	1.91E-06	4.15E-07	1.71E-07	
204	11	Subsurface	Iron	mg/kg	3.14E+04	6.81E-03		6.10E-04	
204	11	Subsurface	Manganese	mg/kg	9.85E+02	2.14E-04		1.92E-05	
204	11	Subsurface	Vanadium	mg/kg	1.46E+02	3.17E-05		2.84E-06	
204	11	Subsurface	PAH, Total	mg/kg	1.09E-01	2.37E-08	2.23E-08	2.13E-09	
204	11	Subsurface	Uranium-238	pCi/g	3.09E+00	1.37E+03		3.69E-02	2.09E+00
204	12	Subsurface	Arsenic	mg/kg	9.80E+00	2.13E-06	4.62E-07	1.91E-07	
204	12	Subsurface	Iron	mg/kg	2.86E+04	6.22E-03		5.57E-04	
204	12	Subsurface	Manganese	mg/kg	2.12E+03	4.59E-04		4.12E-05	
204	12	Subsurface	Vanadium	mg/kg	1.44E+02	3.13E-05		2.80E-06	
204	12	Subsurface	PAH, Total	mg/kg	6.43E-02	1.40E-08	1.31E-08	1.25E-09	
204	12	Subsurface	Cesium-137	pCi/g	2.93E-01	1.23E+02		3.30E-03	1.87E-01
204	12	Subsurface	Uranium-238	pCi/g	3.26E+00	1.45E+03		3.89E-02	2.20E+00
204	13	Subsurface	Arsenic	mg/kg	8.60E+00	1.87E-06	4.05E-07	1.67E-07	
204	13	Subsurface	Manganese	mg/kg	1.04E+03	2.26E-04		2.03E-05	
204	13	Subsurface	Vanadium	mg/kg	1.45E+02	3.15E-05		2.82E-06	
204	13	Subsurface	PAH, Total	mg/kg	5.05E-01	1.10E-07	1.03E-07	9.83E-09	
204	13	Subsurface	Cesium-137	pCi/g	2.89E-01	1.21E+02		3.26E-03	1.84E-01
204	13	Subsurface	Uranium-238	pCi/g	2.98E+00	1.32E+03		3.56E-02	2.01E+00
204	14	Subsurface	Arsenic	mg/kg	1.36E+02	2.95E-05	6.41E-06	2.65E-06	
204	14	Subsurface	Iron	mg/kg	3.52E+04	7.64E-03		6.85E-04	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.18. Cancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
204	14	Subsurface	Manganese	mg/kg	8.21E+02	1.78E-04		1.60E-05	
204	14	Subsurface	Uranium	mg/kg	1.34E+02	2.91E-05		2.61E-06	
204	14	Subsurface	Vanadium	mg/kg	1.43E+02	3.11E-05		2.78E-06	
204	14	Subsurface	PAH, Total	mg/kg	1.28E-01	2.77E-08	2.60E-08	2.48E-09	
204	14	Subsurface	Uranium-238	pCi/g	4.25E+00	1.89E+03		5.07E-02	2.87E+00
204	15	Subsurface	Iron	mg/kg	4.59E+04	9.97E-03		8.93E-04	
204	15	Subsurface	Manganese	mg/kg	8.78E+02	1.91E-04		1.71E-05	
204	15	Subsurface	Vanadium	mg/kg	1.36E+02	2.95E-05		2.65E-06	
204	15	Subsurface	PAH, Total	mg/kg	1.89E-01	4.09E-08	3.85E-08	3.67E-09	
204	15	Subsurface	Cesium-137	pCi/g	6.30E-01	2.64E+02		7.10E-03	4.02E-01
204	15	Subsurface	Uranium-238	pCi/g	5.37E+00	2.38E+03		6.41E-02	3.63E+00
204	16	Subsurface	Arsenic	mg/kg	8.20E+00	1.78E-06	3.86E-07	1.60E-07	
204	16	Subsurface	Iron	mg/kg	2.89E+04	6.28E-03		5.63E-04	
204	16	Subsurface	Manganese	mg/kg	1.80E+03	3.91E-04		3.50E-05	
204	16	Subsurface	Silver	mg/kg	5.10E+01	1.11E-05		9.93E-07	
204	16	Subsurface	Vanadium	mg/kg	1.22E+02	2.65E-05		2.37E-06	
204	16	Subsurface	PAH, Total	mg/kg	2.61E-02	5.67E-09	5.33E-09	5.08E-10	
204	17	Subsurface	Arsenic	mg/kg	9.60E+00	2.09E-06	4.52E-07	1.87E-07	
204	17	Subsurface	Iron	mg/kg	2.98E+04	6.47E-03		5.80E-04	
204	17	Subsurface	Manganese	mg/kg	8.33E+02	1.81E-04		1.62E-05	
204	17	Subsurface	Vanadium	mg/kg	1.22E+02	2.65E-05		2.37E-06	
204	17	Subsurface	PAH, Total	mg/kg	1.49E-01	3.23E-08	3.03E-08	2.89E-09	
204	17	Subsurface	Uranium-238	pCi/g	2.50E+00	1.11E+03		2.98E-02	1.69E+00
204	18	Subsurface	Iron	mg/kg	3.35E+04	7.29E-03		6.53E-04	
204	18	Subsurface	Manganese	mg/kg	1.07E+03	2.32E-04		2.08E-05	
204	18	Subsurface	Silver	mg/kg	8.90E+01	1.93E-05		1.73E-06	
204	18	Subsurface	Uranium	mg/kg	1.09E+02	2.37E-05		2.12E-06	
204	18	Subsurface	Vanadium	mg/kg	1.51E+02	3.28E-05		2.94E-06	
204	18	Subsurface	PAH, Total	mg/kg	2.13E-02	4.63E-09	4.35E-09	4.15E-10	
204	18	Subsurface	Uranium-238	pCi/g	1.81E+00	8.04E+02		2.16E-02	1.22E+00
204	19	Subsurface	Arsenic	mg/kg	1.20E+01	2.61E-06	5.65E-07	2.34E-07	
204	19	Subsurface	Manganese	mg/kg	1.30E+03	2.82E-04		2.53E-05	
204	19	Subsurface	Silver	mg/kg	5.50E+01	1.19E-05		1.07E-06	
204	19	Subsurface	Uranium	mg/kg	8.50E+01	1.85E-05		1.65E-06	
204	19	Subsurface	Vanadium	mg/kg	1.21E+02	2.63E-05		2.36E-06	
204	19	Subsurface	PAH, Total	mg/kg	1.30E-01	2.82E-08	2.65E-08	2.52E-09	
204	19	Subsurface	Uranium-238	pCi/g	2.65E+00	1.18E+03		3.16E-02	1.79E+00
204	2	Subsurface	Arsenic	mg/kg	4.59E+01	9.97E-06	2.16E-06	8.94E-07	
204	2	Subsurface	Iron	mg/kg	2.69E+04	5.83E-03		5.23E-04	
204	2	Subsurface	Manganese	mg/kg	8.34E+02	1.81E-04		1.62E-05	
204	2	Subsurface	Vanadium	mg/kg	1.21E+02	2.63E-05		2.36E-06	
204	2	Subsurface	PAH, Total	mg/kg	4.93E-02	1.07E-08	1.01E-08	9.60E-10	
204	2	Subsurface	Uranium-238	pCi/g	2.85E+00	1.26E+03		3.40E-02	1.92E+00
204	20	Subsurface	Arsenic	mg/kg	1.40E+01	3.04E-06	6.60E-07	2.72E-07	
204	20	Subsurface	Chromium	mg/kg	1.75E+02	3.80E-05		3.41E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.18. Cancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
204	20	Subsurface	Cobalt	mg/kg	1.30E+01	2.82E-06		2.53E-07	
204	20	Subsurface	Iron	mg/kg	4.60E+04	9.99E-03		8.95E-04	
204	20	Subsurface	Manganese	mg/kg	8.39E+02	1.82E-04		1.63E-05	
204	20	Subsurface	Silver	mg/kg	4.70E+01	1.02E-05		9.15E-07	
204	20	Subsurface	Uranium	mg/kg	1.31E+04	2.84E-03		2.54E-04	
204	20	Subsurface	Vanadium	mg/kg	1.14E+02	2.48E-05		2.22E-06	
204	20	Subsurface	PCB, Total	mg/kg	7.90E+01	1.72E-05	1.74E-05	1.54E-06	
204	20	Subsurface	Americium-241	pCi/g	3.71E+00	1.64E+03		4.41E-02	2.50E+00
204	20	Subsurface	Cesium-137	pCi/g	1.17E+00	4.92E+02		1.32E-02	7.48E-01
204	20	Subsurface	Protactinium-231	pCi/g	3.65E+01	1.62E+04		4.35E-01	2.46E+01
204	20	Subsurface	Uranium-234	pCi/g	4.45E+02	1.98E+05		5.31E+00	3.01E+02
204	20	Subsurface	Uranium-235	pCi/g	5.70E+01	2.53E+04		6.80E-01	3.85E+01
204	20	Subsurface	Uranium-238	pCi/g	4.39E+03	1.95E+06		5.23E+01	2.96E+03
204	21	Subsurface	Arsenic	mg/kg	8.60E+00	1.87E-06	4.05E-07	1.67E-07	
204	21	Subsurface	Cobalt	mg/kg	1.80E+01	3.91E-06		3.50E-07	
204	21	Subsurface	Manganese	mg/kg	1.13E+03	2.46E-04		2.20E-05	
204	21	Subsurface	Vanadium	mg/kg	1.20E+02	2.61E-05		2.34E-06	
204	21	Subsurface	PAH, Total	mg/kg	1.62E-02	3.53E-09	3.31E-09	3.16E-10	
204	3	Subsurface	Arsenic	mg/kg	1.10E+01	2.39E-06	5.18E-07	2.14E-07	
204	3	Subsurface	Manganese	mg/kg	1.05E+03	2.29E-04		2.05E-05	
204	3	Subsurface	Silver	mg/kg	5.40E+01	1.17E-05		1.05E-06	
204	3	Subsurface	Vanadium	mg/kg	1.22E+02	2.65E-05		2.37E-06	
204	3	Subsurface	PAH, Total	mg/kg	3.52E-02	7.65E-09	7.19E-09	6.85E-10	
204	3	Subsurface	Uranium-238	pCi/g	2.31E+00	1.03E+03		2.76E-02	1.56E+00
204	4	Subsurface	Arsenic	mg/kg	1.10E+01	2.39E-06	5.18E-07	2.14E-07	
204	4	Subsurface	Iron	mg/kg	2.92E+04	6.35E-03		5.69E-04	
204	4	Subsurface	Manganese	mg/kg	8.97E+02	1.95E-04		1.75E-05	
204	4	Subsurface	Molybdenum	mg/kg	4.10E+01	8.91E-06		7.98E-07	
204	4	Subsurface	Silver	mg/kg	5.90E+01	1.28E-05		1.15E-06	
204	4	Subsurface	Vanadium	mg/kg	1.39E+02	3.02E-05		2.71E-06	
204	4	Subsurface	PAH, Total	mg/kg	2.33E-02	5.06E-09	4.76E-09	4.54E-10	
204	4	Subsurface	Uranium-238	pCi/g	1.82E+00	8.08E+02		2.17E-02	1.23E+00
204	5	Subsurface	Arsenic	mg/kg	5.67E+01	1.23E-05	2.67E-06	1.10E-06	
204	5	Subsurface	Cobalt	mg/kg	1.04E+01	2.26E-06		2.03E-07	
204	5	Subsurface	Manganese	mg/kg	9.75E+02	2.12E-04		1.90E-05	
204	5	Subsurface	Vanadium	mg/kg	1.21E+02	2.63E-05		2.36E-06	
204	5	Subsurface	PAH, Total	mg/kg	1.66E-02	3.61E-09	3.39E-09	3.23E-10	
204	5	Subsurface	Uranium-238	pCi/g	6.60E+00	2.93E+03		7.87E-02	4.46E+00
204	6	Subsurface	Arsenic	mg/kg	1.00E+01	2.17E-06	4.71E-07	1.95E-07	
204	6	Subsurface	Iron	mg/kg	3.17E+04	6.89E-03		6.17E-04	
204	6	Subsurface	Manganese	mg/kg	2.65E+03	5.75E-04		5.15E-05	
204	6	Subsurface	Vanadium	mg/kg	1.25E+02	2.72E-05		2.43E-06	
204	6	Subsurface	PAH, Total	mg/kg	3.25E-02	7.06E-09	6.63E-09	6.33E-10	
204	6	Subsurface	Uranium-238	pCi/g	3.63E+00	1.61E+03		4.33E-02	2.45E+00
204	7	Subsurface	Arsenic	mg/kg	1.70E+01	3.69E-06	8.01E-07	3.31E-07	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.18. Cancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
204	7	Subsurface	Cobalt	mg/kg	1.50E+01	3.26E-06		2.92E-07	
204	7	Subsurface	Iron	mg/kg	2.95E+04	6.40E-03		5.74E-04	
204	7	Subsurface	Manganese	mg/kg	2.80E+03	6.08E-04		5.45E-05	
204	7	Subsurface	Vanadium	mg/kg	1.27E+02	2.76E-05		2.47E-06	
204	7	Subsurface	PAH, Total	mg/kg	9.68E-03	2.10E-09	1.98E-09	1.88E-10	
204	7	Subsurface	Uranium-238	pCi/g	2.04E+00	9.06E+02		2.43E-02	1.38E+00
204	8	Subsurface	Arsenic	mg/kg	8.40E+00	1.82E-06	3.96E-07	1.63E-07	
204	8	Subsurface	Cobalt	mg/kg	1.40E+01	3.04E-06		2.72E-07	
204	8	Subsurface	Iron	mg/kg	3.09E+04	6.72E-03		6.02E-04	
204	8	Subsurface	Manganese	mg/kg	1.39E+03	3.01E-04		2.70E-05	
204	8	Subsurface	Vanadium	mg/kg	1.32E+02	2.87E-05		2.57E-06	
204	8	Subsurface	PAH, Total	mg/kg	7.37E-02	1.60E-08	1.50E-08	1.43E-09	
204	8	Subsurface	Uranium-238	pCi/g	2.01E+00	8.92E+02		2.40E-02	1.36E+00
204	9	Subsurface	Arsenic	mg/kg	8.40E+00	1.82E-06	3.96E-07	1.63E-07	
204	9	Subsurface	Iron	mg/kg	3.06E+04	6.65E-03		5.96E-04	
204	9	Subsurface	Manganese	mg/kg	9.10E+02	1.98E-04		1.77E-05	
204	9	Subsurface	Vanadium	mg/kg	1.37E+02	2.98E-05		2.67E-06	
204	9	Subsurface	PAH, Total	mg/kg	5.01E+00	1.09E-06	1.02E-06	9.75E-08	
204	9	Subsurface	Uranium-238	pCi/g	2.22E+00	9.86E+02		2.65E-02	1.50E+00
211	1	Subsurface	Antimony	mg/kg	9.74E+01	2.12E-05		1.90E-06	
211	1	Subsurface	Arsenic	mg/kg	1.00E+01	2.17E-06	4.71E-07	1.95E-07	
211	1	Subsurface	Cadmium	mg/kg	1.42E+01	3.08E-06	2.22E-08	2.76E-07	
211	1	Subsurface	Chromium	mg/kg	4.84E+01	1.05E-05		9.43E-07	
211	1	Subsurface	Cobalt	mg/kg	4.95E+01	1.08E-05		9.63E-07	
211	1	Subsurface	Iron	mg/kg	4.71E+04	1.02E-02		9.18E-04	
211	1	Subsurface	Thallium	mg/kg	6.02E-01	1.31E-07		1.17E-08	
211	1	Subsurface	Uranium	mg/kg	4.85E+01	1.05E-05		9.44E-07	
211	1	Subsurface	Vanadium	mg/kg	1.03E+02	2.24E-05		2.00E-06	
211	1	Subsurface	PAH, Total	mg/kg	1.04E-01	2.25E-08	2.12E-08	2.02E-09	
211	1	Subsurface	PCB, Total	mg/kg	1.00E+01	2.17E-06	2.20E-06	1.95E-07	
211	1	Subsurface	Uranium-234	pCi/g	6.69E+01	2.97E+04		7.98E-01	4.52E+01
211	1	Subsurface	Uranium-235	pCi/g	3.86E+00	1.71E+03		4.61E-02	2.61E+00
211	1	Subsurface	Uranium-238	pCi/g	1.19E+02	5.28E+04		1.42E+00	8.04E+01
224	1	Subsurface	Antimony	mg/kg	1.08E+02	2.35E-05		2.10E-06	
224	1	Subsurface	Arsenic	mg/kg	1.00E+01	2.17E-06	4.71E-07	1.95E-07	
224	1	Subsurface	Chromium	mg/kg	6.50E+01	1.41E-05		1.27E-06	
224	1	Subsurface	Uranium	mg/kg	4.15E+01	9.01E-06		8.08E-07	
224	1	Subsurface	PAH, Total	mg/kg	5.95E-01	1.29E-07	1.22E-07	1.16E-08	
224	1	Subsurface	Cesium-137	pCi/g	3.70E-01	1.55E+02		4.17E-03	2.36E-01
224	1	Subsurface	Uranium-238	pCi/g	1.39E+01	6.17E+03		1.66E-01	9.39E+00
225	1	Subsurface	Antimony	mg/kg	5.41E+01	1.18E-05		1.05E-06	
225	1	Subsurface	Arsenic	mg/kg	8.10E+00	1.76E-06	3.82E-07	1.58E-07	
225	1	Subsurface	Manganese	mg/kg	8.55E+02	1.86E-04		1.66E-05	
225	1	Subsurface	Vanadium	mg/kg	1.09E+02	2.37E-05		2.12E-06	
225	1	Subsurface	PAH, Total	mg/kg	7.79E-02	1.69E-08	1.59E-08	1.52E-09	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.18. Cancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
225	1	Subsurface	Cesium-137	pCi/g	4.17E-01	1.75E+02		4.70E-03	2.66E-01
225	1	Subsurface	Uranium-238	pCi/g	2.04E+00	9.06E+02		2.43E-02	1.38E+00
26	1	Subsurface	Aluminum	mg/kg	1.25E+04	2.72E-03		2.44E-04	
26	1	Subsurface	Antimony	mg/kg	7.32E+01	1.59E-05		1.42E-06	
26	1	Subsurface	Arsenic	mg/kg	1.01E+01	2.20E-06	4.77E-07	1.97E-07	
26	1	Subsurface	Beryllium	mg/kg	1.57E+01	3.41E-06		3.06E-07	
26	1	Subsurface	Cadmium	mg/kg	1.03E+01	2.25E-06	1.62E-08	2.01E-07	
26	1	Subsurface	Cobalt	mg/kg	1.17E+01	2.53E-06		2.27E-07	
26	1	Subsurface	Iron	mg/kg	2.93E+04	6.36E-03		5.70E-04	
26	1	Subsurface	Manganese	mg/kg	8.52E+02	1.85E-04		1.66E-05	
26	1	Subsurface	Mercury	mg/kg	5.65E+01	1.23E-05		1.10E-06	
26	1	Subsurface	Nickel	mg/kg	1.21E+02	2.64E-05		2.36E-06	
26	1	Subsurface	Thallium	mg/kg	2.59E-01	5.63E-08		5.04E-09	
26	1	Subsurface	Uranium	mg/kg	6.70E+02	1.46E-04		1.30E-05	
26	1	Subsurface	Vanadium	mg/kg	1.61E+02	3.50E-05		3.13E-06	
26	1	Subsurface	PAH, Total	mg/kg	2.97E-01	6.45E-08	6.06E-08	5.78E-09	
26	1	Subsurface	PCB, Total	mg/kg	6.35E+00	1.38E-06	1.40E-06	1.24E-07	
26	1	Subsurface	Uranium-234	pCi/g	8.04E+00	3.57E+03		9.60E-02	5.43E+00
26	1	Subsurface	Uranium-235	pCi/g	1.27E+00	5.63E+02		1.51E-02	8.56E-01
26	1	Subsurface	Uranium-238	pCi/g	6.95E+01	3.08E+04		8.29E-01	4.69E+01
26	2	Subsurface	Aluminum	mg/kg	2.50E+04	5.44E-03		4.87E-04	
26	2	Subsurface	Antimony	mg/kg	2.73E+02	5.94E-05		5.32E-06	
26	2	Subsurface	Arsenic	mg/kg	4.78E+01	1.04E-05	2.25E-06	9.30E-07	
26	2	Subsurface	Beryllium	mg/kg	1.54E+01	3.34E-06		2.99E-07	
26	2	Subsurface	Cadmium	mg/kg	1.60E+01	3.48E-06	2.51E-08	3.11E-07	
26	2	Subsurface	Chromium	mg/kg	7.26E+01	1.58E-05		1.41E-06	
26	2	Subsurface	Cobalt	mg/kg	4.72E+01	1.02E-05		9.18E-07	
26	2	Subsurface	Iron	mg/kg	4.46E+04	9.70E-03		8.69E-04	
26	2	Subsurface	Manganese	mg/kg	9.14E+02	1.98E-04		1.78E-05	
26	2	Subsurface	Mercury	mg/kg	2.36E+01	5.14E-06		4.60E-07	
26	2	Subsurface	Nickel	mg/kg	1.08E+02	2.35E-05		2.11E-06	
26	2	Subsurface	Thallium	mg/kg	1.68E+01	3.65E-06		3.27E-07	
26	2	Subsurface	Uranium	mg/kg	1.15E+03	2.50E-04		2.24E-05	
26	2	Subsurface	Vanadium	mg/kg	1.03E+02	2.24E-05		2.00E-06	
26	2	Subsurface	PAH, Total	mg/kg	3.85E-01	8.36E-08	7.86E-08	7.49E-09	
26	2	Subsurface	PCB, Total	mg/kg	8.33E+00	1.81E-06	1.83E-06	1.62E-07	
26	2	Subsurface	Cesium-137	pCi/g	8.23E+00	3.45E+03		9.28E-02	5.25E+00
26	2	Subsurface	Neptunium-237	pCi/g	2.04E-01	9.06E+01		2.43E-03	1.38E-01
26	2	Subsurface	Radium-228	pCi/g	1.69E+00	5.63E+02		1.51E-02	8.57E-01
26	2	Subsurface	Thorium-230	pCi/g	3.02E+00	1.34E+03		3.60E-02	2.04E+00
26	2	Subsurface	Uranium-234	pCi/g	1.41E+01	6.26E+03		1.68E-01	9.53E+00
26	2	Subsurface	Uranium-235	pCi/g	1.84E+00	8.16E+02		2.19E-02	1.24E+00
26	2	Subsurface	Uranium-238	pCi/g	3.92E+01	1.74E+04		4.68E-01	2.65E+01
26	3	Subsurface	Aluminum	mg/kg	9.30E+03	2.02E-03		1.81E-04	
26	3	Subsurface	Antimony	mg/kg	6.79E+01	1.47E-05		1.32E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.18. Cancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
26	3	Subsurface	Arsenic	mg/kg	7.52E+01	1.63E-05	3.54E-06	1.46E-06	
26	3	Subsurface	Chromium	mg/kg	6.47E+01	1.41E-05		1.26E-06	
26	3	Subsurface	Cobalt	mg/kg	9.23E+00	2.01E-06		1.80E-07	
26	3	Subsurface	Iron	mg/kg	3.45E+04	7.49E-03		6.71E-04	
26	3	Subsurface	Manganese	mg/kg	5.74E+02	1.25E-04		1.12E-05	
26	3	Subsurface	Mercury	mg/kg	1.79E+01	3.89E-06		3.48E-07	
26	3	Subsurface	Molybdenum	mg/kg	4.40E+01	9.55E-06		8.55E-07	
26	3	Subsurface	Thallium	mg/kg	2.51E+00	5.45E-07		4.88E-08	
26	3	Subsurface	Uranium	mg/kg	2.05E+02	4.44E-05		3.98E-06	
26	3	Subsurface	Vanadium	mg/kg	1.43E+02	3.10E-05		2.78E-06	
26	3	Subsurface	PAH, Total	mg/kg	3.47E-01	7.54E-08	7.08E-08	6.75E-09	
26	3	Subsurface	PCB, Total	mg/kg	5.51E+00	1.20E-06	1.21E-06	1.07E-07	
26	3	Subsurface	Pentachlorophenol	mg/kg	1.61E+00	3.49E-07	6.31E-07	3.13E-08	
26	3	Subsurface	Cesium-137	pCi/g	3.38E+00	1.42E+03		3.81E-02	2.16E+00
26	3	Subsurface	Neptunium-237	pCi/g	3.35E-01	1.49E+02		4.00E-03	2.26E-01
26	3	Subsurface	Uranium-234	pCi/g	3.89E+00	1.73E+03		4.64E-02	2.63E+00
26	3	Subsurface	Uranium-235	pCi/g	2.91E-01	1.29E+02		3.47E-03	1.97E-01
26	3	Subsurface	Uranium-238	pCi/g	5.86E+00	2.60E+03		6.99E-02	3.96E+00
26	4	Subsurface	Aluminum	mg/kg	1.20E+04	2.61E-03		2.34E-04	
26	4	Subsurface	Antimony	mg/kg	7.32E+01	1.59E-05		1.42E-06	
26	4	Subsurface	Arsenic	mg/kg	6.05E+01	1.31E-05	2.85E-06	1.18E-06	
26	4	Subsurface	Cadmium	mg/kg	9.00E+00	1.95E-06	1.41E-08	1.75E-07	
26	4	Subsurface	Chromium	mg/kg	1.02E+02	2.21E-05		1.98E-06	
26	4	Subsurface	Cobalt	mg/kg	1.47E+01	3.18E-06		2.85E-07	
26	4	Subsurface	Copper	mg/kg	3.24E+03	7.04E-04		6.30E-05	
26	4	Subsurface	Iron	mg/kg	3.21E+04	6.96E-03		6.24E-04	
26	4	Subsurface	Manganese	mg/kg	7.87E+02	1.71E-04		1.53E-05	
26	4	Subsurface	Mercury	mg/kg	1.90E+01	4.12E-06		3.69E-07	
26	4	Subsurface	Molybdenum	mg/kg	4.08E+01	8.86E-06		7.94E-07	
26	4	Subsurface	Nickel	mg/kg	1.21E+04	2.62E-03		2.35E-04	
26	4	Subsurface	Thallium	mg/kg	1.53E+00	3.32E-07		2.97E-08	
26	4	Subsurface	Uranium	mg/kg	1.34E+03	2.91E-04		2.61E-05	
26	4	Subsurface	Vanadium	mg/kg	1.42E+02	3.08E-05		2.76E-06	
26	4	Subsurface	PAH, Total	mg/kg	4.28E+00	9.31E-07	8.75E-07	8.34E-08	
26	4	Subsurface	PCB, Total	mg/kg	7.96E+00	1.73E-06	1.75E-06	1.55E-07	
26	4	Subsurface	Cesium-137	pCi/g	4.69E+00	1.97E+03		5.29E-02	2.99E+00
26	4	Subsurface	Neptunium-237	pCi/g	3.87E+01	1.72E+04		4.62E-01	2.62E+01
26	4	Subsurface	Plutonium-239/240	pCi/g	1.51E+01	6.72E+03		1.81E-01	1.02E+01
26	4	Subsurface	Technetium-99	pCi/g	3.81E+03	1.69E+06		4.54E+01	2.57E+03
26	4	Subsurface	Thorium-230	pCi/g	8.68E+01	3.85E+04		1.04E+00	5.86E+01
26	4	Subsurface	Uranium-234	pCi/g	3.46E+02	1.54E+05		4.13E+00	2.34E+02
26	4	Subsurface	Uranium-235	pCi/g	2.46E+01	1.09E+04		2.93E-01	1.66E+01
26	4	Subsurface	Uranium-238	pCi/g	8.24E+02	3.66E+05		9.83E+00	5.57E+02
565	1	Subsurface	Cesium-137	pCi/g	4.00E-01	1.68E+02		4.51E-03	2.55E-01
77	1	Subsurface	Chromium	mg/kg	8.30E+01	1.80E-05		1.62E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.18. Cancerous CDIs for the Excavation Worker (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
77	1	Subsurface	Iron	mg/kg	5.03E+04	1.09E-02		9.80E-04	
77	1	Subsurface	Uranium	mg/kg	6.66E+02	1.45E-04		1.30E-05	
77	1	Subsurface	Vanadium	mg/kg	1.68E+02	3.65E-05		3.27E-06	
77	1	Subsurface	PAH, Total	mg/kg	7.02E-02	1.52E-08	1.43E-08	1.37E-09	
77	1	Subsurface	PCB, Total	mg/kg	5.00E+00	1.09E-06	1.10E-06	9.73E-08	
77	1	Subsurface	Thorium-230	pCi/g	1.03E+01	4.57E+03		1.23E-01	6.96E+00
77	1	Subsurface	Uranium-238	pCi/g	1.53E+01	6.79E+03		1.83E-01	1.03E+01
80	1	Subsurface	Uranium	mg/kg	9.80E+01	2.13E-05		1.91E-06	
80	1	Subsurface	Dioxins/Furans, Total	mg/kg	8.82E-05	1.92E-11	4.16E-12	1.72E-12	
80	1	Subsurface	PCB, Total	mg/kg	1.20E+02	2.61E-05	2.64E-05	2.34E-06	
80	2	Subsurface	Antimony	mg/kg	7.57E+01	1.64E-05		1.47E-06	
80	2	Subsurface	Arsenic	mg/kg	1.01E+01	2.19E-06	4.74E-07	1.96E-07	
80	2	Subsurface	Chromium	mg/kg	1.65E+02	3.58E-05		3.21E-06	
80	2	Subsurface	Cobalt	mg/kg	1.90E+01	4.13E-06		3.70E-07	
80	2	Subsurface	Iron	mg/kg	3.52E+04	7.64E-03		6.84E-04	
80	2	Subsurface	Manganese	mg/kg	1.20E+03	2.61E-04		2.34E-05	
80	2	Subsurface	Uranium	mg/kg	5.72E+03	1.24E-03		1.11E-04	
80	2	Subsurface	Vanadium	mg/kg	1.29E+02	2.80E-05		2.51E-06	
80	2	Subsurface	PAH, Total	mg/kg	7.21E-01	1.57E-07	1.47E-07	1.40E-08	
80	2	Subsurface	PCB, Total	mg/kg	1.26E+01	2.74E-06	2.77E-06	2.45E-07	
80	2	Subsurface	Americium-241	pCi/g	6.40E+00	2.83E+03		7.61E-02	4.31E+00
80	2	Subsurface	Cesium-137	pCi/g	8.40E-01	3.52E+02		9.47E-03	5.36E-01
80	2	Subsurface	Neptunium-237	pCi/g	5.05E-01	2.24E+02		6.03E-03	3.41E-01
80	2	Subsurface	Uranium-234	pCi/g	2.29E+02	1.02E+05		2.73E+00	1.55E+02
80	2	Subsurface	Uranium-235	pCi/g	3.00E+01	1.33E+04		3.58E-01	2.03E+01
80	2	Subsurface	Uranium-238	pCi/g	1.92E+03	8.53E+05		2.29E+01	1.30E+03
80	3	Subsurface	Antimony	mg/kg	9.99E+01	2.17E-05		1.94E-06	
80	3	Subsurface	Arsenic	mg/kg	1.04E+01	2.27E-06	4.92E-07	2.03E-07	
80	3	Subsurface	Cadmium	mg/kg	1.84E+01	4.00E-06	2.89E-08	3.58E-07	
80	3	Subsurface	Iron	mg/kg	3.41E+04	7.40E-03		6.63E-04	
80	3	Subsurface	Manganese	mg/kg	1.00E+03	2.17E-04		1.95E-05	
80	3	Subsurface	Mercury	mg/kg	7.98E+01	1.73E-05		1.55E-06	
80	3	Subsurface	Molybdenum	mg/kg	3.56E+01	7.72E-06		6.92E-07	
80	3	Subsurface	Uranium	mg/kg	7.32E+01	1.59E-05		1.43E-06	
80	3	Subsurface	Vanadium	mg/kg	1.27E+02	2.75E-05		2.47E-06	
80	3	Subsurface	PAH, Total	mg/kg	4.46E-01	9.69E-08	9.10E-08	8.68E-09	
80	3	Subsurface	PCB, Total	mg/kg	5.68E+02	1.23E-04	1.25E-04	1.11E-05	
80	3	Subsurface	Uranium-238	pCi/g	2.91E+00	1.29E+03		3.47E-02	1.97E+00

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.19. Noncancerous CDIs for the Adult Resident

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	1	Surface	Vanadium	mg/kg	3.23E+01	3.87E-05		2.50E-08
13	10	Surface	Iron	mg/kg	3.80E+04	4.55E-02		2.94E-05
13	10	Surface	Manganese	mg/kg	3.09E+03	3.70E-03		2.39E-06
13	10	Surface	Silver	mg/kg	5.40E+01	6.47E-05		4.18E-08
13	10	Surface	Vanadium	mg/kg	1.30E+02	1.56E-04		1.01E-07
13	11	Surface	Silver	mg/kg	1.03E+02	1.23E-04		7.95E-08
13	11	Surface	Vanadium	mg/kg	1.14E+02	1.36E-04		8.78E-08
13	11	Surface	PCB, Total	mg/kg	1.03E+01	1.24E-05	1.05E-04	8.00E-09
13	12	Surface	Iron	mg/kg	2.30E+04	2.76E-02		1.78E-05
13	12	Surface	Manganese	mg/kg	1.35E+03	1.62E-03		1.05E-06
13	12	Surface	Silver	mg/kg	8.88E+01	1.06E-04		6.87E-08
13	12	Surface	Vanadium	mg/kg	1.16E+02	1.39E-04		8.99E-08
13	13	Surface	Iron	mg/kg	2.89E+04	3.47E-02		2.24E-05
13	13	Surface	Manganese	mg/kg	1.13E+03	1.35E-03		8.72E-07
13	13	Surface	Molybdenum	mg/kg	2.73E+01	3.27E-05		2.11E-08
13	13	Surface	Vanadium	mg/kg	1.19E+02	1.42E-04		9.16E-08
13	14	Surface	Vanadium	mg/kg	1.22E+02	1.47E-04		9.47E-08
13	14	Surface	PAH, Total	mg/kg	3.27E-02	3.92E-08	3.07E-07	2.53E-11
13	14	Surface	PCB, Total	mg/kg	6.46E+00	7.74E-06	6.54E-05	5.00E-09
13	14	Surface	Uranium-238	pCi/g	2.07E+00	2.48E-06		1.60E-09
13	2	Surface	Iron	mg/kg	2.47E+04	2.97E-02		1.91E-05
13	2	Surface	Manganese	mg/kg	1.22E+03	1.47E-03		9.47E-07
13	2	Surface	Vanadium	mg/kg	9.38E+01	1.12E-04		7.26E-08
13	2	Surface	Uranium-238	pCi/g	1.40E+00	1.68E-06		1.08E-09
13	3	Surface	Iron	mg/kg	2.63E+04	3.15E-02		2.03E-05
13	3	Surface	Manganese	mg/kg	1.09E+03	1.31E-03		8.46E-07
13	3	Surface	Molybdenum	mg/kg	2.19E+01	2.63E-05		1.69E-08
13	3	Surface	Vanadium	mg/kg	9.88E+01	1.18E-04		7.64E-08
13	3	Surface	PAH, Total	mg/kg	2.15E-02	2.58E-08	2.02E-07	1.66E-11
13	4	Surface	Iron	mg/kg	2.75E+04	3.29E-02		2.13E-05
13	4	Surface	Vanadium	mg/kg	9.81E+01	1.18E-04		7.59E-08
13	4	Surface	PAH, Total	mg/kg	4.13E-01	4.95E-07	3.88E-06	3.19E-10
13	4	Surface	PCB, Total	mg/kg	1.05E+01	1.26E-05	1.06E-04	8.14E-09
13	4	Surface	Uranium-238	pCi/g	1.78E+00	2.13E-06		1.37E-09
13	5	Surface	Aluminum	mg/kg	9.83E+03	1.18E-02		7.60E-06
13	5	Surface	Chromium	mg/kg	1.38E+01	1.65E-05		1.06E-08
13	5	Surface	Iron	mg/kg	2.42E+04	2.90E-02		1.87E-05
13	5	Surface	Manganese	mg/kg	9.08E+02	1.09E-03		7.02E-07
13	5	Surface	Uranium	mg/kg	7.41E+01	8.88E-05		5.73E-08
13	5	Surface	Vanadium	mg/kg	1.06E+02	1.26E-04		8.16E-08
13	5	Surface	PAH, Total	mg/kg	4.41E-01	5.29E-07	4.15E-06	3.41E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.19. Noncancerous CDIs for the Adult Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	5	Surface	PCB, Total	mg/kg	6.66E+00	7.98E-06	6.74E-05	5.15E-09
13	5	Surface	Neptunium-237	pCi/g	3.88E-01	4.65E-07		3.00E-10
13	5	Surface	Technetium-99	pCi/g	1.07E+02	1.28E-04		8.25E-08
13	5	Surface	Uranium-234	pCi/g	2.57E+01	3.08E-05		1.99E-08
13	5	Surface	Uranium-235	pCi/g	2.95E+00	3.53E-06		2.28E-09
13	5	Surface	Uranium-238	pCi/g	4.60E+01	5.51E-05		3.55E-08
13	6	Surface	Iron	mg/kg	3.09E+04	3.70E-02		2.39E-05
13	6	Surface	Uranium	mg/kg	3.70E+01	4.43E-05		2.86E-08
13	6	Surface	Vanadium	mg/kg	1.20E+02	1.44E-04		9.27E-08
13	6	Surface	PAH, Total	mg/kg	6.51E-01	7.80E-07	6.12E-06	5.03E-10
13	6	Surface	PCB, Total	mg/kg	1.08E+01	1.29E-05	1.09E-04	8.32E-09
13	6	Surface	Neptunium-237	pCi/g	1.25E+00	1.50E-06		9.66E-10
13	6	Surface	Technetium-99	pCi/g	9.50E+01	1.14E-04		7.35E-08
13	6	Surface	Uranium-234	pCi/g	2.04E+01	2.44E-05		1.57E-08
13	6	Surface	Uranium-235	pCi/g	1.40E+00	1.67E-06		1.08E-09
13	6	Surface	Uranium-238	pCi/g	4.17E+01	5.00E-05		3.23E-08
13	7	Surface	Iron	mg/kg	2.78E+04	3.34E-02		2.15E-05
13	7	Surface	Silver	mg/kg	1.85E+02	2.21E-04		1.43E-07
13	7	Surface	Vanadium	mg/kg	1.22E+02	1.46E-04		9.40E-08
13	7	Surface	Uranium-238	pCi/g	1.30E+00	1.56E-06		1.01E-09
13	8	Surface	Iron	mg/kg	2.41E+04	2.89E-02		1.86E-05
13	8	Surface	Manganese	mg/kg	1.12E+03	1.34E-03		8.67E-07
13	8	Surface	Vanadium	mg/kg	9.97E+01	1.20E-04		7.71E-08
13	8	Surface	PAH, Total	mg/kg	1.22E-02	1.46E-08	1.15E-07	9.43E-12
13	9	Surface	Chromium	mg/kg	1.43E+01	1.72E-05		1.11E-08
13	9	Surface	Vanadium	mg/kg	1.17E+02	1.40E-04		9.02E-08
13	9	Surface	PAH, Total	mg/kg	2.65E-02	3.18E-08	2.49E-07	2.05E-11
13	9	Surface	Neptunium-237	pCi/g	6.88E-01	8.25E-07		5.32E-10
13	9	Surface	Uranium-238	pCi/g	4.07E+00	4.88E-06		3.15E-09
15	1	Surface	Antimony	mg/kg	7.49E+01	8.98E-05		5.79E-08
15	1	Surface	Arsenic	mg/kg	1.27E+01	1.52E-05	2.75E-05	9.79E-09
15	1	Surface	Cadmium	mg/kg	1.56E+01	1.87E-05	1.13E-06	1.21E-08
15	1	Surface	Chromium	mg/kg	8.21E+01	9.84E-05		6.35E-08
15	1	Surface	Iron	mg/kg	2.95E+04	3.54E-02		2.28E-05
15	1	Surface	Nickel	mg/kg	1.32E+02	1.58E-04		1.02E-07
15	1	Surface	Thallium	mg/kg	2.40E-01	2.88E-07		1.86E-10
15	1	Surface	Uranium	mg/kg	3.26E+01	3.90E-05		2.52E-08
15	1	Surface	PAH, Total	mg/kg	1.71E+00	2.05E-06	1.61E-05	1.33E-09
15	1	Surface	Uranium-238	pCi/g	1.85E+00	2.22E-06		1.43E-09
15	10	Surface	Antimony	mg/kg	1.25E+02	1.50E-04		9.66E-08
15	10	Surface	Cadmium	mg/kg	1.67E+01	2.00E-05	1.21E-06	1.29E-08

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.19. Noncancerous CDIs for the Adult Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	10	Surface	Chromium	mg/kg	3.55E+01	4.26E-05		2.75E-08
15	10	Surface	Mercury	mg/kg	7.84E+00	9.40E-06		6.06E-09
15	10	Surface	Nickel	mg/kg	2.26E+02	2.71E-04		1.75E-07
15	10	Surface	Uranium	mg/kg	9.02E+01	1.08E-04		6.97E-08
15	10	Surface	PAH, Total	mg/kg	1.28E-01	1.54E-07	1.21E-06	9.93E-11
15	2	Surface	Antimony	mg/kg	9.83E+01	1.18E-04		7.60E-08
15	2	Surface	Arsenic	mg/kg	1.63E+01	1.95E-05	3.53E-05	1.26E-08
15	2	Surface	Chromium	mg/kg	5.90E+01	7.07E-05		4.56E-08
15	2	Surface	Iron	mg/kg	3.89E+04	4.66E-02		3.01E-05
15	2	Surface	Mercury	mg/kg	9.33E+00	1.12E-05		7.21E-09
15	2	Surface	Nickel	mg/kg	1.97E+02	2.36E-04		1.53E-07
15	2	Surface	Uranium	mg/kg	1.32E+02	1.58E-04		1.02E-07
15	2	Surface	PAH, Total	mg/kg	2.11E+00	2.53E-06	1.98E-05	1.63E-09
15	2	Surface	PCB, Total	mg/kg	3.30E-01	3.96E-07	3.34E-06	2.55E-10
15	2	Surface	Uranium-234	pCi/g	6.51E+00	7.80E-06		5.03E-09
15	2	Surface	Uranium-235	pCi/g	3.80E-01	4.55E-07		2.94E-10
15	2	Surface	Uranium-238	pCi/g	1.21E+01	1.45E-05		9.36E-09
15	3	Surface	Antimony	mg/kg	7.10E+01	8.51E-05		5.49E-08
15	3	Surface	Arsenic	mg/kg	2.74E+01	3.28E-05	5.94E-05	2.12E-08
15	3	Surface	Cadmium	mg/kg	1.25E+01	1.50E-05	9.04E-07	9.67E-09
15	3	Surface	Chromium	mg/kg	7.53E+01	9.03E-05		5.83E-08
15	3	Surface	Cobalt	mg/kg	3.41E+01	4.09E-05		2.64E-08
15	3	Surface	Copper	mg/kg	1.60E+03	1.92E-03		1.24E-06
15	3	Surface	Iron	mg/kg	9.20E+04	1.10E-01		7.12E-05
15	3	Surface	Manganese	mg/kg	1.60E+03	1.92E-03		1.24E-06
15	3	Surface	Mercury	mg/kg	1.05E+01	1.26E-05		8.10E-09
15	3	Surface	Nickel	mg/kg	8.38E+02	1.00E-03		6.48E-07
15	3	Surface	Thallium	mg/kg	2.60E-01	3.12E-07		2.01E-10
15	3	Surface	Uranium	mg/kg	2.16E+02	2.59E-04		1.67E-07
15	3	Surface	Vanadium	mg/kg	7.31E+01	8.76E-05		5.65E-08
15	3	Surface	PAH, Total	mg/kg	1.45E+00	1.74E-06	1.37E-05	1.12E-09
15	3	Surface	PCB, Total	mg/kg	6.82E+00	8.18E-06	6.91E-05	5.28E-09
15	3	Surface	Neptunium-237	pCi/g	3.24E+00	3.88E-06		2.50E-09
15	3	Surface	Technetium-99	pCi/g	2.90E+02	3.48E-04		2.24E-07
15	3	Surface	Thorium-230	pCi/g	5.14E+00	6.16E-06		3.97E-09
15	3	Surface	Uranium-234	pCi/g	1.40E+02	1.68E-04		1.08E-07
15	3	Surface	Uranium-235	pCi/g	1.49E+01	1.78E-05		1.15E-08
15	3	Surface	Uranium-238	pCi/g	8.68E+02	1.04E-03		6.71E-07
15	4	Surface	Antimony	mg/kg	7.63E+01	9.15E-05		5.90E-08
15	4	Surface	Arsenic	mg/kg	3.37E+01	4.04E-05	7.31E-05	2.60E-08
15	4	Surface	Cadmium	mg/kg	1.86E+01	2.23E-05	1.34E-06	1.44E-08

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.19. Noncancerous CDIs for the Adult Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	4	Surface	Chromium	mg/kg	9.02E+01	1.08E-04		6.98E-08
15	4	Surface	Copper	mg/kg	5.99E+02	7.18E-04		4.63E-07
15	4	Surface	Iron	mg/kg	6.90E+04	8.27E-02		5.33E-05
15	4	Surface	Manganese	mg/kg	1.29E+03	1.54E-03		9.95E-07
15	4	Surface	Mercury	mg/kg	3.04E+01	3.64E-05		2.35E-08
15	4	Surface	Nickel	mg/kg	1.24E+03	1.49E-03		9.60E-07
15	4	Surface	Thallium	mg/kg	1.85E-01	2.22E-07		1.43E-10
15	4	Surface	Uranium	mg/kg	1.29E+02	1.55E-04		9.98E-08
15	4	Surface	Vanadium	mg/kg	8.43E+01	1.01E-04		6.52E-08
15	4	Surface	PAH, Total	mg/kg	1.75E+00	2.10E-06	1.64E-05	1.35E-09
15	4	Surface	PCB, Total	mg/kg	3.13E+01	3.75E-05	3.17E-04	2.42E-08
15	4	Surface	Neptunium-237	pCi/g	6.60E-01	7.91E-07		5.10E-10
15	4	Surface	Uranium-234	pCi/g	7.93E+00	9.50E-06		6.13E-09
15	4	Surface	Uranium-235	pCi/g	3.64E-01	4.36E-07		2.81E-10
15	4	Surface	Uranium-238	pCi/g	1.35E+01	1.62E-05		1.05E-08
15	5	Surface	Antimony	mg/kg	1.01E+02	1.21E-04		7.83E-08
15	5	Surface	Arsenic	mg/kg	1.28E+01	1.53E-05	2.77E-05	9.89E-09
15	5	Surface	Cadmium	mg/kg	1.46E+01	1.75E-05	1.05E-06	1.13E-08
15	5	Surface	Chromium	mg/kg	8.43E+01	1.01E-04		6.52E-08
15	5	Surface	Copper	mg/kg	5.63E+03	6.75E-03		4.36E-06
15	5	Surface	Nickel	mg/kg	3.53E+02	4.23E-04		2.73E-07
15	5	Surface	Uranium	mg/kg	1.76E+02	2.10E-04		1.36E-07
15	5	Surface	Zinc	mg/kg	1.52E+03	1.83E-03		1.18E-06
15	5	Surface	PAH, Total	mg/kg	5.11E-01	6.12E-07	4.80E-06	3.95E-10
15	5	Surface	PCB, Total	mg/kg	2.51E+01	3.01E-05	2.54E-04	1.94E-08
15	5	Surface	Neptunium-237	pCi/g	6.90E-01	8.27E-07		5.34E-10
15	5	Surface	Uranium-235	pCi/g	4.60E-01	5.51E-07		3.56E-10
15	5	Surface	Uranium-238	pCi/g	1.03E+01	1.23E-05		7.97E-09
15	6	Surface	Antimony	mg/kg	8.85E+01	1.06E-04		6.84E-08
15	6	Surface	Arsenic	mg/kg	1.24E+01	1.49E-05	2.70E-05	9.61E-09
15	6	Surface	Cadmium	mg/kg	1.64E+01	1.96E-05	1.18E-06	1.26E-08
15	6	Surface	Chromium	mg/kg	8.25E+01	9.89E-05		6.38E-08
15	6	Surface	Cobalt	mg/kg	1.62E+01	1.94E-05		1.25E-08
15	6	Surface	Copper	mg/kg	4.23E+02	5.07E-04		3.27E-07
15	6	Surface	Iron	mg/kg	3.29E+04	3.94E-02		2.54E-05
15	6	Surface	Nickel	mg/kg	3.00E+02	3.60E-04		2.32E-07
15	6	Surface	Uranium	mg/kg	6.30E+01	7.55E-05		4.87E-08
15	6	Surface	PAH, Total	mg/kg	1.62E+00	1.95E-06	1.53E-05	1.26E-09
15	6	Surface	PCB, Total	mg/kg	6.17E+00	7.39E-06	6.24E-05	4.77E-09
15	6	Surface	Neptunium-237	pCi/g	6.40E-01	7.67E-07		4.95E-10
15	6	Surface	Uranium-234	pCi/g	8.74E+00	1.05E-05		6.76E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.19. Noncancerous CDIs for the Adult Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	6	Surface	Uranium-235	pCi/g	5.70E-01	6.83E-07		4.41E-10
15	6	Surface	Uranium-238	pCi/g	1.54E+01	1.85E-05		1.19E-08
15	7	Surface	Antimony	mg/kg	1.37E+02	1.64E-04		1.06E-07
15	7	Surface	Arsenic	mg/kg	1.61E+01	1.93E-05	3.49E-05	1.24E-08
15	7	Surface	Cadmium	mg/kg	1.80E+01	2.16E-05	1.30E-06	1.39E-08
15	7	Surface	Chromium	mg/kg	7.97E+01	9.55E-05		6.16E-08
15	7	Surface	Copper	mg/kg	8.29E+02	9.94E-04		6.41E-07
15	7	Surface	Iron	mg/kg	3.42E+04	4.10E-02		2.65E-05
15	7	Surface	Manganese	mg/kg	1.18E+03	1.42E-03		9.15E-07
15	7	Surface	Nickel	mg/kg	5.59E+02	6.70E-04		4.32E-07
15	7	Surface	Thallium	mg/kg	3.00E-01	3.60E-07		2.32E-10
15	7	Surface	Uranium	mg/kg	5.39E+01	6.46E-05		4.17E-08
15	7	Surface	PAH, Total	mg/kg	1.59E-01	1.90E-07	1.49E-06	1.23E-10
15	7	Surface	PCB, Total	mg/kg	2.57E+01	3.08E-05	2.60E-04	1.99E-08
15	7	Surface	Uranium-234	pCi/g	6.49E+00	7.78E-06		5.02E-09
15	7	Surface	Uranium-235	pCi/g	4.50E-01	5.39E-07		3.48E-10
15	7	Surface	Uranium-238	pCi/g	8.05E+00	9.65E-06		6.23E-09
15	8	Surface	Antimony	mg/kg	7.42E+01	8.89E-05		5.74E-08
15	8	Surface	Arsenic	mg/kg	1.17E+01	1.40E-05	2.53E-05	9.01E-09
15	8	Surface	Cadmium	mg/kg	1.68E+01	2.02E-05	1.22E-06	1.30E-08
15	8	Surface	Chromium	mg/kg	7.74E+01	9.28E-05		5.98E-08
15	8	Surface	Iron	mg/kg	2.83E+04	3.39E-02		2.19E-05
15	8	Surface	Mercury	mg/kg	1.01E+01	1.21E-05		7.79E-09
15	8	Surface	Nickel	mg/kg	1.82E+02	2.18E-04		1.41E-07
15	8	Surface	Uranium	mg/kg	4.46E+01	5.34E-05		3.45E-08
15	8	Surface	PAH, Total	mg/kg	3.59E-01	4.30E-07	3.37E-06	2.77E-10
15	8	Surface	PCB, Total	mg/kg	5.01E+00	6.00E-06	5.07E-05	3.87E-09
15	8	Surface	Neptunium-237	pCi/g	3.65E-01	4.38E-07		2.82E-10
15	8	Surface	Uranium-238	pCi/g	6.64E+00	7.96E-06		5.13E-09
15	9	Surface	Antimony	mg/kg	1.12E+02	1.34E-04		8.65E-08
15	9	Surface	Arsenic	mg/kg	1.10E+01	1.32E-05	2.39E-05	8.54E-09
15	9	Surface	Cadmium	mg/kg	1.81E+01	2.17E-05	1.31E-06	1.40E-08
15	9	Surface	Chromium	mg/kg	9.56E+01	1.15E-04		7.39E-08
15	9	Surface	Iron	mg/kg	2.76E+04	3.31E-02		2.13E-05
15	9	Surface	Nickel	mg/kg	1.49E+02	1.78E-04		1.15E-07
15	9	Surface	Uranium	mg/kg	3.07E+01	3.68E-05		2.37E-08
15	9	Surface	Vanadium	mg/kg	7.33E+01	8.78E-05		5.67E-08
15	9	Surface	PAH, Total	mg/kg	2.38E-01	2.86E-07	2.24E-06	1.84E-10
15	9	Surface	PCB, Total	mg/kg	6.31E+00	7.56E-06	6.38E-05	4.88E-09
15	9	Surface	Uranium-238	pCi/g	7.12E+00	8.53E-06		5.51E-09
204	1	Surface	Aluminum	mg/kg	1.18E+04	1.41E-02		9.11E-06

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.19. Noncancerous CDIs for the Adult Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	1	Surface	Chromium	mg/kg	1.42E+01	1.70E-05		1.10E-08
204	1	Surface	Vanadium	mg/kg	1.20E+02	1.44E-04		9.27E-08
204	1	Surface	PAH, Total	mg/kg	4.93E-01	5.91E-07	4.63E-06	3.81E-10
204	1	Surface	Uranium-238	pCi/g	1.27E+00	1.53E-06		9.85E-10
204	10	Surface	Antimony	mg/kg	1.20E+01	1.44E-05		9.28E-09
204	10	Surface	Iron	mg/kg	3.08E+04	3.70E-02		2.39E-05
204	10	Surface	Vanadium	mg/kg	1.19E+02	1.43E-04		9.20E-08
204	10	Surface	PAH, Total	mg/kg	6.42E-02	7.70E-08	6.03E-07	4.96E-11
204	10	Surface	Uranium-238	pCi/g	3.15E+00	3.78E-06		2.44E-09
204	11	Surface	Iron	mg/kg	3.05E+04	3.66E-02		2.36E-05
204	11	Surface	Vanadium	mg/kg	1.43E+02	1.71E-04		1.11E-07
204	11	Surface	PAH, Total	mg/kg	8.95E-02	1.07E-07	8.41E-07	6.92E-11
204	11	Surface	Uranium-238	pCi/g	3.09E+00	3.70E-06		2.39E-09
204	12	Surface	Iron	mg/kg	2.86E+04	3.43E-02		2.21E-05
204	12	Surface	Thallium	mg/kg	2.10E-01	2.52E-07		1.62E-10
204	12	Surface	Vanadium	mg/kg	1.44E+02	1.73E-04		1.11E-07
204	12	Surface	PAH, Total	mg/kg	6.43E-02	7.71E-08	6.04E-07	4.97E-11
204	12	Surface	Uranium-238	pCi/g	3.26E+00	3.91E-06		2.52E-09
204	13	Surface	Chromium	mg/kg	1.70E+01	2.04E-05		1.31E-08
204	13	Surface	Vanadium	mg/kg	1.45E+02	1.74E-04		1.12E-07
204	13	Surface	PAH, Total	mg/kg	5.05E-01	6.05E-07	4.75E-06	3.91E-10
204	13	Surface	Uranium-238	pCi/g	2.98E+00	3.57E-06		2.30E-09
204	14	Surface	Arsenic	mg/kg	1.36E+02	1.63E-04	2.95E-04	1.05E-07
204	14	Surface	Chromium	mg/kg	1.70E+01	2.04E-05		1.31E-08
204	14	Surface	Iron	mg/kg	3.17E+04	3.80E-02		2.45E-05
204	14	Surface	Uranium	mg/kg	1.34E+02	1.61E-04		1.04E-07
204	14	Surface	Vanadium	mg/kg	1.43E+02	1.71E-04		1.11E-07
204	14	Surface	PAH, Total	mg/kg	1.28E-01	1.53E-07	1.20E-06	9.87E-11
204	14	Surface	Uranium-238	pCi/g	4.25E+00	5.09E-06		3.29E-09
204	15	Surface	Iron	mg/kg	2.90E+04	3.48E-02		2.25E-05
204	15	Surface	Vanadium	mg/kg	1.13E+02	1.35E-04		8.74E-08
204	15	Surface	PAH, Total	mg/kg	1.25E-02	1.49E-08	1.17E-07	9.64E-12
204	15	Surface	Cesium-137	pCi/g	6.30E-01	7.55E-07		4.87E-10
204	15	Surface	Uranium-238	pCi/g	5.37E+00	6.44E-06		4.15E-09
204	16	Surface	Iron	mg/kg	2.89E+04	3.47E-02		2.24E-05
204	16	Surface	Vanadium	mg/kg	1.22E+02	1.46E-04		9.43E-08
204	16	Surface	PAH, Total	mg/kg	1.45E-02	1.74E-08	1.36E-07	1.12E-11
204	17	Surface	Iron	mg/kg	2.98E+04	3.57E-02		2.30E-05
204	17	Surface	Vanadium	mg/kg	1.22E+02	1.46E-04		9.43E-08
204	17	Surface	PAH, Total	mg/kg	5.99E-02	7.18E-08	5.63E-07	4.63E-11
204	17	Surface	Uranium-238	pCi/g	2.50E+00	3.00E-06		1.93E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.19. Noncancerous CDIs for the Adult Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	18	Surface	Iron	mg/kg	3.35E+04	4.02E-02		2.59E-05
204	18	Surface	Uranium	mg/kg	1.09E+02	1.31E-04		8.43E-08
204	18	Surface	Vanadium	mg/kg	1.51E+02	1.81E-04		1.17E-07
204	18	Surface	PAH, Total	mg/kg	7.04E-03	8.44E-09	6.62E-08	5.44E-12
204	18	Surface	Uranium-238	pCi/g	1.81E+00	2.17E-06		1.40E-09
204	19	Surface	Silver	mg/kg	5.50E+01	6.59E-05		4.25E-08
204	19	Surface	Uranium	mg/kg	8.50E+01	1.02E-04		6.57E-08
204	19	Surface	Vanadium	mg/kg	1.06E+02	1.27E-04		8.20E-08
204	19	Surface	PAH, Total	mg/kg	1.30E-01	1.55E-07	1.22E-06	1.00E-10
204	19	Surface	Uranium-238	pCi/g	2.65E+00	3.18E-06		2.05E-09
204	2	Surface	Arsenic	mg/kg	4.59E+01	5.50E-05	9.96E-05	3.55E-08
204	2	Surface	Chromium	mg/kg	1.84E+01	2.20E-05		1.42E-08
204	2	Surface	Vanadium	mg/kg	1.20E+02	1.44E-04		9.30E-08
204	2	Surface	PAH, Total	mg/kg	6.20E-02	7.43E-08	5.83E-07	4.79E-11
204	2	Surface	Uranium-238	pCi/g	3.92E+00	4.70E-06		3.03E-09
204	20	Surface	Chromium	mg/kg	1.75E+02	2.10E-04		1.35E-07
204	20	Surface	Uranium	mg/kg	1.31E+04	1.57E-02		1.01E-05
204	20	Surface	Vanadium	mg/kg	1.14E+02	1.37E-04		8.82E-08
204	20	Surface	PCB, Total	mg/kg	7.90E+01	9.47E-05	8.00E-04	6.11E-08
204	20	Surface	Americium-241	pCi/g	3.71E+00	4.45E-06		2.87E-09
204	20	Surface	Cesium-137	pCi/g	1.17E+00	1.40E-06		9.06E-10
204	20	Surface	Protactinium-231	pCi/g	3.65E+01	4.37E-05		2.82E-08
204	20	Surface	Uranium-234	pCi/g	4.45E+02	5.33E-04		3.44E-07
204	20	Surface	Uranium-235	pCi/g	5.70E+01	6.83E-05		4.41E-08
204	20	Surface	Uranium-238	pCi/g	4.39E+03	5.26E-03		3.39E-06
204	21	Surface	Cobalt	mg/kg	1.80E+01	2.16E-05		1.39E-08
204	21	Surface	Vanadium	mg/kg	1.19E+02	1.43E-04		9.20E-08
204	3	Surface	Chromium	mg/kg	1.80E+01	2.16E-05		1.39E-08
204	3	Surface	Silver	mg/kg	5.40E+01	6.47E-05		4.18E-08
204	3	Surface	Vanadium	mg/kg	1.22E+02	1.46E-04		9.43E-08
204	3	Surface	PAH, Total	mg/kg	3.52E-02	4.22E-08	3.31E-07	2.72E-11
204	3	Surface	Uranium-238	pCi/g	2.31E+00	2.77E-06		1.79E-09
204	4	Surface	Iron	mg/kg	2.92E+04	3.50E-02		2.26E-05
204	4	Surface	Molybdenum	mg/kg	4.10E+01	4.91E-05		3.17E-08
204	4	Surface	Silver	mg/kg	5.90E+01	7.07E-05		4.56E-08
204	4	Surface	Vanadium	mg/kg	1.39E+02	1.67E-04		1.07E-07
204	4	Surface	PAH, Total	mg/kg	2.33E-02	2.79E-08	2.19E-07	1.80E-11
204	4	Surface	Uranium-238	pCi/g	1.82E+00	2.18E-06		1.41E-09
204	5	Surface	Arsenic	mg/kg	5.67E+01	6.80E-05	1.23E-04	4.39E-08
204	5	Surface	Chromium	mg/kg	1.61E+01	1.93E-05		1.24E-08
204	5	Surface	Vanadium	mg/kg	1.21E+02	1.45E-04		9.37E-08

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.19. Noncancerous CDIs for the Adult Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	5	Surface	PAH, Total	mg/kg	2.04E-02	2.45E-08	1.92E-07	1.58E-11
204	5	Surface	Uranium-238	pCi/g	5.65E+00	6.77E-06		4.37E-09
204	6	Surface	Vanadium	mg/kg	1.25E+02	1.50E-04		9.67E-08
204	6	Surface	PAH, Total	mg/kg	3.25E-02	3.90E-08	3.05E-07	2.51E-11
204	6	Surface	Uranium-238	pCi/g	3.63E+00	4.35E-06		2.81E-09
204	7	Surface	Iron	mg/kg	2.95E+04	3.53E-02		2.28E-05
204	7	Surface	Manganese	mg/kg	1.94E+03	2.32E-03		1.50E-06
204	7	Surface	Vanadium	mg/kg	1.27E+02	1.52E-04		9.82E-08
204	7	Surface	PAH, Total	mg/kg	9.68E-03	1.16E-08	9.10E-08	7.49E-12
204	7	Surface	Uranium-238	pCi/g	2.04E+00	2.45E-06		1.58E-09
204	8	Surface	Chromium	mg/kg	1.70E+01	2.04E-05		1.31E-08
204	8	Surface	Cobalt	mg/kg	1.40E+01	1.68E-05		1.08E-08
204	8	Surface	Iron	mg/kg	2.94E+04	3.53E-02		2.27E-05
204	8	Surface	Vanadium	mg/kg	1.32E+02	1.58E-04		1.02E-07
204	8	Surface	PAH, Total	mg/kg	7.37E-02	8.83E-08	6.92E-07	5.70E-11
204	8	Surface	Uranium-238	pCi/g	2.01E+00	2.41E-06		1.55E-09
204	9	Surface	Chromium	mg/kg	1.80E+01	2.16E-05		1.39E-08
204	9	Surface	Iron	mg/kg	2.96E+04	3.55E-02		2.29E-05
204	9	Surface	Vanadium	mg/kg	1.37E+02	1.64E-04		1.06E-07
204	9	Surface	PAH, Total	mg/kg	5.01E+00	6.00E-06	4.71E-05	3.87E-09
204	9	Surface	Uranium-238	pCi/g	2.22E+00	2.66E-06		1.72E-09
211	1	Surface	Antimony	mg/kg	6.52E+01	7.82E-05		5.04E-08
211	1	Surface	Chromium	mg/kg	4.48E+01	5.36E-05		3.46E-08
211	1	Surface	Iron	mg/kg	3.05E+04	3.65E-02		2.36E-05
211	1	Surface	Thallium	mg/kg	3.30E-01	3.96E-07		2.55E-10
211	1	Surface	Vanadium	mg/kg	1.01E+02	1.21E-04		7.81E-08
211	1	Surface	PAH, Total	mg/kg	1.04E-01	1.24E-07	9.76E-07	8.03E-11
211	1	Surface	PCB, Total	mg/kg	3.60E-01	4.32E-07	3.64E-06	2.78E-10
211	1	Surface	Cesium-137	pCi/g	1.67E+00	2.00E-06		1.29E-09
211	1	Surface	Neptunium-237	pCi/g	5.93E+00	7.11E-06		4.59E-09
211	1	Surface	Uranium-234	pCi/g	6.69E+01	8.02E-05		5.17E-08
211	1	Surface	Uranium-238	pCi/g	1.19E+02	1.43E-04		9.20E-08
224	1	Surface	Antimony	mg/kg	1.08E+02	1.30E-04		8.36E-08
224	1	Surface	Uranium	mg/kg	4.15E+01	4.97E-05		3.21E-08
224	1	Surface	PAH, Total	mg/kg	5.95E-01	7.14E-07	5.60E-06	4.60E-10
224	1	Surface	Uranium-238	pCi/g	1.39E+01	1.67E-05		1.07E-08
225	1	Surface	Antimony	mg/kg	5.41E+01	6.49E-05		4.19E-08
225	1	Surface	Chromium	mg/kg	2.55E+01	3.06E-05		1.97E-08
225	1	Surface	Thallium	mg/kg	2.80E-01	3.36E-07		2.17E-10
225	1	Surface	Vanadium	mg/kg	1.09E+02	1.31E-04		8.43E-08
225	1	Surface	PAH, Total	mg/kg	7.79E-02	9.33E-08	7.32E-07	6.02E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.19. Noncancerous CDIs for the Adult Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
225	1	Surface	Uranium-238	pCi/g	2.04E+00	2.45E-06		1.58E-09
26	1	Surface	Chromium	mg/kg	1.67E+01	2.00E-05		1.29E-08
26	1	Surface	Iron	mg/kg	2.88E+04	3.45E-02		2.23E-05
26	1	Surface	Uranium	mg/kg	6.28E+02	7.53E-04		4.86E-07
26	1	Surface	Vanadium	mg/kg	1.61E+02	1.93E-04		1.25E-07
26	1	Surface	PAH, Total	mg/kg	1.97E-01	2.36E-07	1.85E-06	1.52E-10
26	1	Surface	PCB, Total	mg/kg	9.40E+00	1.13E-05	9.51E-05	7.27E-09
26	1	Surface	Uranium-234	pCi/g	7.78E+00	9.33E-06		6.02E-09
26	1	Surface	Uranium-235	pCi/g	1.23E+00	1.48E-06		9.52E-10
26	1	Surface	Uranium-238	pCi/g	6.75E+01	8.09E-05		5.22E-08
26	2	Surface	Aluminum	mg/kg	2.61E+04	3.13E-02		2.02E-05
26	2	Surface	Arsenic	mg/kg	4.23E+01	5.07E-05	9.17E-05	3.27E-08
26	2	Surface	Beryllium	mg/kg	1.13E+01	1.35E-05		8.70E-09
26	2	Surface	Chromium	mg/kg	4.12E+01	4.94E-05		3.19E-08
26	2	Surface	Cobalt	mg/kg	6.59E+01	7.90E-05		5.10E-08
26	2	Surface	Iron	mg/kg	5.20E+04	6.23E-02		4.02E-05
26	2	Surface	Nickel	mg/kg	1.03E+02	1.23E-04		7.94E-08
26	2	Surface	Thallium	mg/kg	2.38E+01	2.85E-05		1.84E-08
26	2	Surface	Uranium	mg/kg	7.18E+02	8.61E-04		5.55E-07
26	2	Surface	Vanadium	mg/kg	1.16E+02	1.39E-04		8.95E-08
26	2	Surface	PCB, Total	mg/kg	3.25E+00	3.90E-06	3.29E-05	2.51E-09
26	2	Surface	Cesium-137	pCi/g	9.52E+00	1.14E-05		7.36E-09
26	2	Surface	Neptunium-237	pCi/g	2.15E-01	2.58E-07		1.66E-10
26	2	Surface	Radium-228	pCi/g	1.69E+00	2.03E-06		1.31E-09
26	2	Surface	Thorium-230	pCi/g	3.59E+00	4.31E-06		2.78E-09
26	2	Surface	Uranium-234	pCi/g	1.98E+01	2.37E-05		1.53E-08
26	2	Surface	Uranium-235	pCi/g	2.36E+00	2.83E-06		1.83E-09
26	2	Surface	Uranium-238	pCi/g	5.01E+01	6.00E-05		3.87E-08
26	3	Surface	Arsenic	mg/kg	7.56E+01	9.06E-05	1.64E-04	5.84E-08
26	3	Surface	Chromium	mg/kg	4.56E+01	5.46E-05		3.52E-08
26	3	Surface	Iron	mg/kg	3.46E+04	4.15E-02		2.68E-05
26	3	Surface	Molybdenum	mg/kg	4.07E+01	4.88E-05		3.15E-08
26	3	Surface	Thallium	mg/kg	3.68E+00	4.41E-06		2.85E-09
26	3	Surface	Uranium	mg/kg	2.05E+02	2.45E-04		1.58E-07
26	3	Surface	Vanadium	mg/kg	1.44E+02	1.72E-04		1.11E-07
26	3	Surface	PAH, Total	mg/kg	3.30E-01	3.96E-07	3.10E-06	2.55E-10
26	3	Surface	PCB, Total	mg/kg	8.91E+00	1.07E-05	9.02E-05	6.89E-09
26	3	Surface	Cesium-137	pCi/g	4.51E+00	5.41E-06		3.49E-09
26	3	Surface	Neptunium-237	pCi/g	3.70E-01	4.43E-07		2.86E-10
26	3	Surface	Uranium-234	pCi/g	5.02E+00	6.01E-06		3.88E-09
26	3	Surface	Uranium-235	pCi/g	3.15E-01	3.78E-07		2.44E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.19. Noncancerous CDIs for the Adult Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
26	3	Surface	Uranium-238	pCi/g	7.00E+00	8.39E-06		5.41E-09
26	4	Surface	Aluminum	mg/kg	1.11E+04	1.33E-02		8.60E-06
26	4	Surface	Arsenic	mg/kg	6.01E+01	7.21E-05	1.30E-04	4.65E-08
26	4	Surface	Chromium	mg/kg	1.14E+02	1.37E-04		8.84E-08
26	4	Surface	Iron	mg/kg	2.81E+04	3.37E-02		2.18E-05
26	4	Surface	Mercury	mg/kg	7.33E+01	8.78E-05		5.67E-08
26	4	Surface	Molybdenum	mg/kg	3.49E+01	4.19E-05		2.70E-08
26	4	Surface	Nickel	mg/kg	8.10E+01	9.71E-05		6.26E-08
26	4	Surface	Uranium	mg/kg	1.47E+03	1.76E-03		1.14E-06
26	4	Surface	Vanadium	mg/kg	1.42E+02	1.70E-04		1.10E-07
26	4	Surface	PAH, Total	mg/kg	5.53E+00	6.63E-06	5.20E-05	4.27E-09
26	4	Surface	PCB, Total	mg/kg	7.95E+00	9.53E-06	8.05E-05	6.15E-09
26	4	Surface	Cesium-137	pCi/g	1.02E+00	1.23E-06		7.91E-10
26	4	Surface	Neptunium-237	pCi/g	2.80E+00	3.35E-06		2.16E-09
26	4	Surface	Plutonium-239/240	pCi/g	1.35E+01	1.62E-05		1.04E-08
26	4	Surface	Technetium-99	pCi/g	8.36E+02	1.00E-03		6.46E-07
26	4	Surface	Thorium-230	pCi/g	5.48E+01	6.56E-05		4.23E-08
26	4	Surface	Uranium-234	pCi/g	2.15E+02	2.58E-04		1.67E-07
26	4	Surface	Uranium-235	pCi/g	1.52E+01	1.82E-05		1.17E-08
26	4	Surface	Uranium-238	pCi/g	8.49E+02	1.02E-03		6.57E-07
77	1	Surface	Chromium	mg/kg	8.30E+01	9.95E-05		6.42E-08
77	1	Surface	Iron	mg/kg	5.03E+04	6.03E-02		3.89E-05
77	1	Surface	Uranium	mg/kg	6.66E+02	7.98E-04		5.15E-07
77	1	Surface	Vanadium	mg/kg	1.68E+02	2.01E-04		1.30E-07
77	1	Surface	PAH, Total	mg/kg	7.02E-02	8.41E-08	6.60E-07	5.43E-11
77	1	Surface	PCB, Total	mg/kg	5.00E+00	5.99E-06	5.06E-05	3.87E-09
77	1	Surface	Thorium-230	pCi/g	1.03E+01	1.23E-05		7.97E-09
77	1	Surface	Uranium-238	pCi/g	1.53E+01	1.83E-05		1.18E-08
80	1	Surface	Uranium	mg/kg	9.80E+01	1.17E-04		7.58E-08
80	1	Surface	Dioxins/Furans, Total	mg/kg	8.82E-05	1.06E-10	1.91E-10	6.82E-14
80	1	Surface	PCB, Total	mg/kg	1.20E+02	1.44E-04	1.21E-03	9.28E-08
80	2	Surface	Antimony	mg/kg	5.82E+01	6.97E-05		4.50E-08
80	2	Surface	Chromium	mg/kg	1.65E+02	1.98E-04		1.28E-07
80	2	Surface	Cobalt	mg/kg	1.90E+01	2.28E-05		1.47E-08
80	2	Surface	Iron	mg/kg	3.52E+04	4.21E-02		2.72E-05
80	2	Surface	Uranium	mg/kg	5.72E+03	6.86E-03		4.43E-06
80	2	Surface	Vanadium	mg/kg	1.29E+02	1.55E-04		9.98E-08
80	2	Surface	PAH, Total	mg/kg	7.21E-01	8.65E-07	6.78E-06	5.58E-10
80	2	Surface	PCB, Total	mg/kg	1.26E+01	1.51E-05	1.28E-04	9.74E-09
80	2	Surface	Americium-241	pCi/g	6.40E+00	7.67E-06		4.95E-09
80	2	Surface	Cesium-137	pCi/g	8.40E-01	1.01E-06		6.50E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.19. Noncancerous CDIs for the Adult Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
80	2	Surface	Neptunium-237	pCi/g	5.05E-01	6.05E-07		3.91E-10
80	2	Surface	Uranium-234	pCi/g	2.29E+02	2.74E-04		1.77E-07
80	2	Surface	Uranium-235	pCi/g	3.00E+01	3.60E-05		2.32E-08
80	2	Surface	Uranium-238	pCi/g	1.92E+03	2.30E-03		1.49E-06
80	3	Surface	Chromium	mg/kg	1.81E+01	2.17E-05		1.40E-08
80	3	Surface	Iron	mg/kg	3.05E+04	3.65E-02		2.36E-05
80	3	Surface	Manganese	mg/kg	9.46E+02	1.13E-03		7.31E-07
80	3	Surface	Molybdenum	mg/kg	2.33E+01	2.80E-05		1.80E-08
80	3	Surface	Uranium	mg/kg	7.32E+01	8.77E-05		5.66E-08
80	3	Surface	Vanadium	mg/kg	1.21E+02	1.45E-04		9.33E-08
80	3	Surface	PCB, Total	mg/kg	5.66E+02	6.78E-04	5.73E-03	4.38E-07
80	3	Surface	Uranium-238	pCi/g	1.59E+00	1.91E-06		1.23E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.20. Noncancerous CDIs for the Child Resident

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	1	Surface	Vanadium	mg/kg	3.23E+01	4.13E-04		2.50E-08
13	10	Surface	Iron	mg/kg	3.80E+04	4.86E-01		2.94E-05
13	10	Surface	Manganese	mg/kg	3.09E+03	3.95E-02		2.39E-06
13	10	Surface	Silver	mg/kg	5.40E+01	6.90E-04		4.18E-08
13	10	Surface	Vanadium	mg/kg	1.30E+02	1.66E-03		1.01E-07
13	11	Surface	Silver	mg/kg	1.03E+02	1.31E-03		7.95E-08
13	11	Surface	Vanadium	mg/kg	1.14E+02	1.45E-03		8.78E-08
13	11	Surface	PCB, Total	mg/kg	1.03E+01	1.32E-04	2.49E-04	8.00E-09
13	12	Surface	Iron	mg/kg	2.30E+04	2.94E-01		1.78E-05
13	12	Surface	Manganese	mg/kg	1.35E+03	1.73E-02		1.05E-06
13	12	Surface	Silver	mg/kg	8.88E+01	1.14E-03		6.87E-08
13	12	Surface	Vanadium	mg/kg	1.16E+02	1.49E-03		8.99E-08
13	13	Surface	Iron	mg/kg	2.89E+04	3.70E-01		2.24E-05
13	13	Surface	Manganese	mg/kg	1.13E+03	1.44E-02		8.72E-07
13	13	Surface	Molybdenum	mg/kg	2.73E+01	3.48E-04		2.11E-08
13	13	Surface	Vanadium	mg/kg	1.19E+02	1.52E-03		9.16E-08
13	14	Surface	Vanadium	mg/kg	1.22E+02	1.56E-03		9.47E-08
13	14	Surface	PAH, Total	mg/kg	3.27E-02	4.18E-07	7.31E-07	2.53E-11
13	14	Surface	PCB, Total	mg/kg	6.46E+00	8.26E-05	1.56E-04	5.00E-09
13	14	Surface	Uranium-238	pCi/g	2.07E+00	2.65E-05		1.60E-09
13	2	Surface	Iron	mg/kg	2.47E+04	3.16E-01		1.91E-05
13	2	Surface	Manganese	mg/kg	1.22E+03	1.56E-02		9.47E-07
13	2	Surface	Vanadium	mg/kg	9.38E+01	1.20E-03		7.26E-08
13	2	Surface	Uranium-238	pCi/g	1.40E+00	1.79E-05		1.08E-09
13	3	Surface	Iron	mg/kg	2.63E+04	3.36E-01		2.03E-05
13	3	Surface	Manganese	mg/kg	1.09E+03	1.40E-02		8.46E-07
13	3	Surface	Molybdenum	mg/kg	2.19E+01	2.80E-04		1.69E-08
13	3	Surface	Vanadium	mg/kg	9.88E+01	1.26E-03		7.64E-08
13	3	Surface	PAH, Total	mg/kg	2.15E-02	2.75E-07	4.81E-07	1.66E-11
13	4	Surface	Iron	mg/kg	2.75E+04	3.51E-01		2.13E-05
13	4	Surface	Vanadium	mg/kg	9.81E+01	1.25E-03		7.59E-08
13	4	Surface	PAH, Total	mg/kg	4.13E-01	5.28E-06	9.23E-06	3.19E-10
13	4	Surface	PCB, Total	mg/kg	1.05E+01	1.35E-04	2.53E-04	8.14E-09
13	4	Surface	Uranium-238	pCi/g	1.78E+00	2.27E-05		1.37E-09
13	5	Surface	Aluminum	mg/kg	9.83E+03	1.26E-01		7.60E-06
13	5	Surface	Chromium	mg/kg	1.38E+01	1.76E-04		1.06E-08
13	5	Surface	Iron	mg/kg	2.42E+04	3.09E-01		1.87E-05
13	5	Surface	Manganese	mg/kg	9.08E+02	1.16E-02		7.02E-07
13	5	Surface	Uranium	mg/kg	7.41E+01	9.47E-04		5.73E-08
13	5	Surface	Vanadium	mg/kg	1.06E+02	1.35E-03		8.16E-08
13	5	Surface	PAH, Total	mg/kg	4.41E-01	5.64E-06	9.86E-06	3.41E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.20. Noncancerous CDIs for the Child Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	5	Surface	PCB, Total	mg/kg	6.66E+00	8.51E-05	1.60E-04	5.15E-09
13	5	Surface	Neptunium-237	pCi/g	3.88E-01	4.96E-06		3.00E-10
13	5	Surface	Technetium-99	pCi/g	1.07E+02	1.36E-03		8.25E-08
13	5	Surface	Uranium-234	pCi/g	2.57E+01	3.29E-04		1.99E-08
13	5	Surface	Uranium-235	pCi/g	2.95E+00	3.77E-05		2.28E-09
13	5	Surface	Uranium-238	pCi/g	4.60E+01	5.87E-04		3.55E-08
13	6	Surface	Iron	mg/kg	3.09E+04	3.95E-01		2.39E-05
13	6	Surface	Uranium	mg/kg	3.70E+01	4.73E-04		2.86E-08
13	6	Surface	Vanadium	mg/kg	1.20E+02	1.53E-03		9.27E-08
13	6	Surface	PAH, Total	mg/kg	6.51E-01	8.32E-06	1.46E-05	5.03E-10
13	6	Surface	PCB, Total	mg/kg	1.08E+01	1.38E-04	2.59E-04	8.32E-09
13	6	Surface	Neptunium-237	pCi/g	1.25E+00	1.60E-05		9.66E-10
13	6	Surface	Technetium-99	pCi/g	9.50E+01	1.21E-03		7.35E-08
13	6	Surface	Uranium-234	pCi/g	2.04E+01	2.60E-04		1.57E-08
13	6	Surface	Uranium-235	pCi/g	1.40E+00	1.79E-05		1.08E-09
13	6	Surface	Uranium-238	pCi/g	4.17E+01	5.33E-04		3.23E-08
13	7	Surface	Iron	mg/kg	2.78E+04	3.56E-01		2.15E-05
13	7	Surface	Silver	mg/kg	1.85E+02	2.36E-03		1.43E-07
13	7	Surface	Vanadium	mg/kg	1.22E+02	1.55E-03		9.40E-08
13	7	Surface	Uranium-238	pCi/g	1.30E+00	1.66E-05		1.01E-09
13	8	Surface	Iron	mg/kg	2.41E+04	3.08E-01		1.86E-05
13	8	Surface	Manganese	mg/kg	1.12E+03	1.43E-02		8.67E-07
13	8	Surface	Vanadium	mg/kg	9.97E+01	1.27E-03		7.71E-08
13	8	Surface	PAH, Total	mg/kg	1.22E-02	1.56E-07	2.73E-07	9.43E-12
13	9	Surface	Chromium	mg/kg	1.43E+01	1.83E-04		1.11E-08
13	9	Surface	Vanadium	mg/kg	1.17E+02	1.49E-03		9.02E-08
13	9	Surface	PAH, Total	mg/kg	2.65E-02	3.39E-07	5.92E-07	2.05E-11
13	9	Surface	Neptunium-237	pCi/g	6.88E-01	8.80E-06		5.32E-10
13	9	Surface	Uranium-238	pCi/g	4.07E+00	5.20E-05		3.15E-09
15	1	Surface	Antimony	mg/kg	7.49E+01	9.57E-04		5.79E-08
15	1	Surface	Arsenic	mg/kg	1.27E+01	1.62E-04	6.53E-05	9.79E-09
15	1	Surface	Cadmium	mg/kg	1.56E+01	2.00E-04	2.68E-06	1.21E-08
15	1	Surface	Chromium	mg/kg	8.21E+01	1.05E-03		6.35E-08
15	1	Surface	Iron	mg/kg	2.95E+04	3.77E-01		2.28E-05
15	1	Surface	Nickel	mg/kg	1.32E+02	1.69E-03		1.02E-07
15	1	Surface	Thallium	mg/kg	2.40E-01	3.07E-06		1.86E-10
15	1	Surface	Uranium	mg/kg	3.26E+01	4.16E-04		2.52E-08
15	1	Surface	PAH, Total	mg/kg	1.71E+00	2.19E-05	3.83E-05	1.33E-09
15	1	Surface	Uranium-238	pCi/g	1.85E+00	2.37E-05		1.43E-09
15	10	Surface	Antimony	mg/kg	1.25E+02	1.60E-03		9.66E-08
15	10	Surface	Cadmium	mg/kg	1.67E+01	2.14E-04	2.87E-06	1.29E-08

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.20. Noncancerous CDIs for the Child Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	10	Surface	Chromium	mg/kg	3.55E+01	4.54E-04		2.75E-08
15	10	Surface	Mercury	mg/kg	7.84E+00	1.00E-04		6.06E-09
15	10	Surface	Nickel	mg/kg	2.26E+02	2.89E-03		1.75E-07
15	10	Surface	Uranium	mg/kg	9.02E+01	1.15E-03		6.97E-08
15	10	Surface	PAH, Total	mg/kg	1.28E-01	1.64E-06	2.87E-06	9.93E-11
15	2	Surface	Antimony	mg/kg	9.83E+01	1.26E-03		7.60E-08
15	2	Surface	Arsenic	mg/kg	1.63E+01	2.08E-04	8.39E-05	1.26E-08
15	2	Surface	Chromium	mg/kg	5.90E+01	7.54E-04		4.56E-08
15	2	Surface	Iron	mg/kg	3.89E+04	4.97E-01		3.01E-05
15	2	Surface	Mercury	mg/kg	9.33E+00	1.19E-04		7.21E-09
15	2	Surface	Nickel	mg/kg	1.97E+02	2.52E-03		1.53E-07
15	2	Surface	Uranium	mg/kg	1.32E+02	1.68E-03		1.02E-07
15	2	Surface	PAH, Total	mg/kg	2.11E+00	2.69E-05	4.71E-05	1.63E-09
15	2	Surface	PCB, Total	mg/kg	3.30E-01	4.22E-06	7.94E-06	2.55E-10
15	2	Surface	Uranium-234	pCi/g	6.51E+00	8.32E-05		5.03E-09
15	2	Surface	Uranium-235	pCi/g	3.80E-01	4.86E-06		2.94E-10
15	2	Surface	Uranium-238	pCi/g	1.21E+01	1.55E-04		9.36E-09
15	3	Surface	Antimony	mg/kg	7.10E+01	9.08E-04		5.49E-08
15	3	Surface	Arsenic	mg/kg	2.74E+01	3.50E-04	1.41E-04	2.12E-08
15	3	Surface	Cadmium	mg/kg	1.25E+01	1.60E-04	2.15E-06	9.67E-09
15	3	Surface	Chromium	mg/kg	7.53E+01	9.63E-04		5.83E-08
15	3	Surface	Cobalt	mg/kg	3.41E+01	4.36E-04		2.64E-08
15	3	Surface	Copper	mg/kg	1.60E+03	2.05E-02		1.24E-06
15	3	Surface	Iron	mg/kg	9.20E+04	1.18E+00		7.12E-05
15	3	Surface	Manganese	mg/kg	1.60E+03	2.05E-02		1.24E-06
15	3	Surface	Mercury	mg/kg	1.05E+01	1.34E-04		8.10E-09
15	3	Surface	Nickel	mg/kg	8.38E+02	1.07E-02		6.48E-07
15	3	Surface	Thallium	mg/kg	2.60E-01	3.32E-06		2.01E-10
15	3	Surface	Uranium	mg/kg	2.16E+02	2.76E-03		1.67E-07
15	3	Surface	Vanadium	mg/kg	7.31E+01	9.34E-04		5.65E-08
15	3	Surface	PAH, Total	mg/kg	1.45E+00	1.86E-05	3.25E-05	1.12E-09
15	3	Surface	PCB, Total	mg/kg	6.82E+00	8.72E-05	1.64E-04	5.28E-09
15	3	Surface	Neptunium-237	pCi/g	3.24E+00	4.14E-05		2.50E-09
15	3	Surface	Technetium-99	pCi/g	2.90E+02	3.71E-03		2.24E-07
15	3	Surface	Thorium-230	pCi/g	5.14E+00	6.57E-05		3.97E-09
15	3	Surface	Uranium-234	pCi/g	1.40E+02	1.79E-03		1.08E-07
15	3	Surface	Uranium-235	pCi/g	1.49E+01	1.90E-04		1.15E-08
15	3	Surface	Uranium-238	pCi/g	8.68E+02	1.11E-02		6.71E-07
15	4	Surface	Antimony	mg/kg	7.63E+01	9.76E-04		5.90E-08
15	4	Surface	Arsenic	mg/kg	3.37E+01	4.31E-04	1.74E-04	2.60E-08
15	4	Surface	Cadmium	mg/kg	1.86E+01	2.38E-04	3.20E-06	1.44E-08

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.20. Noncancerous CDIs for the Child Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	4	Surface	Chromium	mg/kg	9.02E+01	1.15E-03		6.98E-08
15	4	Surface	Copper	mg/kg	5.99E+02	7.66E-03		4.63E-07
15	4	Surface	Iron	mg/kg	6.90E+04	8.82E-01		5.33E-05
15	4	Surface	Manganese	mg/kg	1.29E+03	1.65E-02		9.95E-07
15	4	Surface	Mercury	mg/kg	3.04E+01	3.88E-04		2.35E-08
15	4	Surface	Nickel	mg/kg	1.24E+03	1.59E-02		9.60E-07
15	4	Surface	Thallium	mg/kg	1.85E-01	2.37E-06		1.43E-10
15	4	Surface	Uranium	mg/kg	1.29E+02	1.65E-03		9.98E-08
15	4	Surface	Vanadium	mg/kg	8.43E+01	1.08E-03		6.52E-08
15	4	Surface	PAH, Total	mg/kg	1.75E+00	2.24E-05	3.91E-05	1.35E-09
15	4	Surface	PCB, Total	mg/kg	3.13E+01	4.00E-04	7.54E-04	2.42E-08
15	4	Surface	Neptunium-237	pCi/g	6.60E-01	8.44E-06		5.10E-10
15	4	Surface	Uranium-234	pCi/g	7.93E+00	1.01E-04		6.13E-09
15	4	Surface	Uranium-235	pCi/g	3.64E-01	4.65E-06		2.81E-10
15	4	Surface	Uranium-238	pCi/g	1.35E+01	1.73E-04		1.05E-08
15	5	Surface	Antimony	mg/kg	1.01E+02	1.29E-03		7.83E-08
15	5	Surface	Arsenic	mg/kg	1.28E+01	1.64E-04	6.60E-05	9.89E-09
15	5	Surface	Cadmium	mg/kg	1.46E+01	1.86E-04	2.51E-06	1.13E-08
15	5	Surface	Chromium	mg/kg	8.43E+01	1.08E-03		6.52E-08
15	5	Surface	Copper	mg/kg	5.63E+03	7.20E-02		4.36E-06
15	5	Surface	Nickel	mg/kg	3.53E+02	4.51E-03		2.73E-07
15	5	Surface	Uranium	mg/kg	1.76E+02	2.24E-03		1.36E-07
15	5	Surface	Zinc	mg/kg	1.52E+03	1.95E-02		1.18E-06
15	5	Surface	PAH, Total	mg/kg	5.11E-01	6.53E-06	1.14E-05	3.95E-10
15	5	Surface	PCB, Total	mg/kg	2.51E+01	3.21E-04	6.05E-04	1.94E-08
15	5	Surface	Neptunium-237	pCi/g	6.90E-01	8.82E-06		5.34E-10
15	5	Surface	Uranium-235	pCi/g	4.60E-01	5.88E-06		3.56E-10
15	5	Surface	Uranium-238	pCi/g	1.03E+01	1.32E-04		7.97E-09
15	6	Surface	Antimony	mg/kg	8.85E+01	1.13E-03		6.84E-08
15	6	Surface	Arsenic	mg/kg	1.24E+01	1.59E-04	6.41E-05	9.61E-09
15	6	Surface	Cadmium	mg/kg	1.64E+01	2.09E-04	2.81E-06	1.26E-08
15	6	Surface	Chromium	mg/kg	8.25E+01	1.05E-03		6.38E-08
15	6	Surface	Cobalt	mg/kg	1.62E+01	2.07E-04		1.25E-08
15	6	Surface	Copper	mg/kg	4.23E+02	5.41E-03		3.27E-07
15	6	Surface	Iron	mg/kg	3.29E+04	4.20E-01		2.54E-05
15	6	Surface	Nickel	mg/kg	3.00E+02	3.84E-03		2.32E-07
15	6	Surface	Uranium	mg/kg	6.30E+01	8.05E-04		4.87E-08
15	6	Surface	PAH, Total	mg/kg	1.62E+00	2.08E-05	3.63E-05	1.26E-09
15	6	Surface	PCB, Total	mg/kg	6.17E+00	7.88E-05	1.48E-04	4.77E-09
15	6	Surface	Neptunium-237	pCi/g	6.40E-01	8.18E-06		4.95E-10
15	6	Surface	Uranium-234	pCi/g	8.74E+00	1.12E-04		6.76E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.20. Noncancerous CDIs for the Child Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	6	Surface	Uranium-235	pCi/g	5.70E-01	7.29E-06		4.41E-10
15	6	Surface	Uranium-238	pCi/g	1.54E+01	1.97E-04		1.19E-08
15	7	Surface	Antimony	mg/kg	1.37E+02	1.75E-03		1.06E-07
15	7	Surface	Arsenic	mg/kg	1.61E+01	2.06E-04	8.30E-05	1.24E-08
15	7	Surface	Cadmium	mg/kg	1.80E+01	2.30E-04	3.09E-06	1.39E-08
15	7	Surface	Chromium	mg/kg	7.97E+01	1.02E-03		6.16E-08
15	7	Surface	Copper	mg/kg	8.29E+02	1.06E-02		6.41E-07
15	7	Surface	Iron	mg/kg	3.42E+04	4.37E-01		2.65E-05
15	7	Surface	Manganese	mg/kg	1.18E+03	1.51E-02		9.15E-07
15	7	Surface	Nickel	mg/kg	5.59E+02	7.14E-03		4.32E-07
15	7	Surface	Thallium	mg/kg	3.00E-01	3.84E-06		2.32E-10
15	7	Surface	Uranium	mg/kg	5.39E+01	6.89E-04		4.17E-08
15	7	Surface	PAH, Total	mg/kg	1.59E-01	2.03E-06	3.55E-06	1.23E-10
15	7	Surface	PCB, Total	mg/kg	2.57E+01	3.28E-04	6.18E-04	1.99E-08
15	7	Surface	Uranium-234	pCi/g	6.49E+00	8.30E-05		5.02E-09
15	7	Surface	Uranium-235	pCi/g	4.50E-01	5.75E-06		3.48E-10
15	7	Surface	Uranium-238	pCi/g	8.05E+00	1.03E-04		6.23E-09
15	8	Surface	Antimony	mg/kg	7.42E+01	9.49E-04		5.74E-08
15	8	Surface	Arsenic	mg/kg	1.17E+01	1.49E-04	6.01E-05	9.01E-09
15	8	Surface	Cadmium	mg/kg	1.68E+01	2.15E-04	2.89E-06	1.30E-08
15	8	Surface	Chromium	mg/kg	7.74E+01	9.89E-04		5.98E-08
15	8	Surface	Iron	mg/kg	2.83E+04	3.61E-01		2.19E-05
15	8	Surface	Mercury	mg/kg	1.01E+01	1.29E-04		7.79E-09
15	8	Surface	Nickel	mg/kg	1.82E+02	2.32E-03		1.41E-07
15	8	Surface	Uranium	mg/kg	4.46E+01	5.70E-04		3.45E-08
15	8	Surface	PAH, Total	mg/kg	3.59E-01	4.59E-06	8.02E-06	2.77E-10
15	8	Surface	PCB, Total	mg/kg	5.01E+00	6.40E-05	1.21E-04	3.87E-09
15	8	Surface	Neptunium-237	pCi/g	3.65E-01	4.67E-06		2.82E-10
15	8	Surface	Uranium-238	pCi/g	6.64E+00	8.49E-05		5.13E-09
15	9	Surface	Antimony	mg/kg	1.12E+02	1.43E-03		8.65E-08
15	9	Surface	Arsenic	mg/kg	1.10E+01	1.41E-04	5.70E-05	8.54E-09
15	9	Surface	Cadmium	mg/kg	1.81E+01	2.31E-04	3.11E-06	1.40E-08
15	9	Surface	Chromium	mg/kg	9.56E+01	1.22E-03		7.39E-08
15	9	Surface	Iron	mg/kg	2.76E+04	3.53E-01		2.13E-05
15	9	Surface	Nickel	mg/kg	1.49E+02	1.90E-03		1.15E-07
15	9	Surface	Uranium	mg/kg	3.07E+01	3.92E-04		2.37E-08
15	9	Surface	Vanadium	mg/kg	7.33E+01	9.37E-04		5.67E-08
15	9	Surface	PAH, Total	mg/kg	2.38E-01	3.05E-06	5.33E-06	1.84E-10
15	9	Surface	PCB, Total	mg/kg	6.31E+00	8.06E-05	1.52E-04	4.88E-09
15	9	Surface	Uranium-238	pCi/g	7.12E+00	9.10E-05		5.51E-09
204	1	Surface	Aluminum	mg/kg	1.18E+04	1.51E-01		9.11E-06

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.20. Noncancerous CDIs for the Child Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	1	Surface	Chromium	mg/kg	1.42E+01	1.81E-04		1.10E-08
204	1	Surface	Vanadium	mg/kg	1.20E+02	1.53E-03		9.27E-08
204	1	Surface	PAH, Total	mg/kg	4.93E-01	6.30E-06	1.10E-05	3.81E-10
204	1	Surface	Uranium-238	pCi/g	1.27E+00	1.63E-05		9.85E-10
204	10	Surface	Antimony	mg/kg	1.20E+01	1.53E-04		9.28E-09
204	10	Surface	Iron	mg/kg	3.08E+04	3.94E-01		2.39E-05
204	10	Surface	Vanadium	mg/kg	1.19E+02	1.52E-03		9.20E-08
204	10	Surface	PAH, Total	mg/kg	6.42E-02	8.21E-07	1.44E-06	4.96E-11
204	10	Surface	Uranium-238	pCi/g	3.15E+00	4.03E-05		2.44E-09
204	11	Surface	Iron	mg/kg	3.05E+04	3.90E-01		2.36E-05
204	11	Surface	Vanadium	mg/kg	1.43E+02	1.83E-03		1.11E-07
204	11	Surface	PAH, Total	mg/kg	8.95E-02	1.14E-06	2.00E-06	6.92E-11
204	11	Surface	Uranium-238	pCi/g	3.09E+00	3.95E-05		2.39E-09
204	12	Surface	Iron	mg/kg	2.86E+04	3.66E-01		2.21E-05
204	12	Surface	Thallium	mg/kg	2.10E-01	2.68E-06		1.62E-10
204	12	Surface	Vanadium	mg/kg	1.44E+02	1.84E-03		1.11E-07
204	12	Surface	PAH, Total	mg/kg	6.43E-02	8.22E-07	1.44E-06	4.97E-11
204	12	Surface	Uranium-238	pCi/g	3.26E+00	4.17E-05		2.52E-09
204	13	Surface	Chromium	mg/kg	1.70E+01	2.17E-04		1.31E-08
204	13	Surface	Vanadium	mg/kg	1.45E+02	1.85E-03		1.12E-07
204	13	Surface	PAH, Total	mg/kg	5.05E-01	6.46E-06	1.13E-05	3.91E-10
204	13	Surface	Uranium-238	pCi/g	2.98E+00	3.81E-05		2.30E-09
204	14	Surface	Arsenic	mg/kg	1.36E+02	1.74E-03	7.02E-04	1.05E-07
204	14	Surface	Chromium	mg/kg	1.70E+01	2.17E-04		1.31E-08
204	14	Surface	Iron	mg/kg	3.17E+04	4.05E-01		2.45E-05
204	14	Surface	Uranium	mg/kg	1.34E+02	1.71E-03		1.04E-07
204	14	Surface	Vanadium	mg/kg	1.43E+02	1.83E-03		1.11E-07
204	14	Surface	PAH, Total	mg/kg	1.28E-01	1.63E-06	2.85E-06	9.87E-11
204	14	Surface	Uranium-238	pCi/g	4.25E+00	5.43E-05		3.29E-09
204	15	Surface	Iron	mg/kg	2.90E+04	3.71E-01		2.25E-05
204	15	Surface	Vanadium	mg/kg	1.13E+02	1.44E-03		8.74E-08
204	15	Surface	PAH, Total	mg/kg	1.25E-02	1.59E-07	2.79E-07	9.64E-12
204	15	Surface	Cesium-137	pCi/g	6.30E-01	8.05E-06		4.87E-10
204	15	Surface	Uranium-238	pCi/g	5.37E+00	6.87E-05		4.15E-09
204	16	Surface	Iron	mg/kg	2.89E+04	3.70E-01		2.24E-05
204	16	Surface	Vanadium	mg/kg	1.22E+02	1.56E-03		9.43E-08
204	16	Surface	PAH, Total	mg/kg	1.45E-02	1.85E-07	3.24E-07	1.12E-11
204	17	Surface	Iron	mg/kg	2.98E+04	3.81E-01		2.30E-05
204	17	Surface	Vanadium	mg/kg	1.22E+02	1.56E-03		9.43E-08
204	17	Surface	PAH, Total	mg/kg	5.99E-02	7.66E-07	1.34E-06	4.63E-11
204	17	Surface	Uranium-238	pCi/g	2.50E+00	3.20E-05		1.93E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.20. Noncancerous CDIs for the Child Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	18	Surface	Iron	mg/kg	3.35E+04	4.29E-01		2.59E-05
204	18	Surface	Uranium	mg/kg	1.09E+02	1.39E-03		8.43E-08
204	18	Surface	Vanadium	mg/kg	1.51E+02	1.93E-03		1.17E-07
204	18	Surface	PAH, Total	mg/kg	7.04E-03	9.00E-08	1.57E-07	5.44E-12
204	18	Surface	Uranium-238	pCi/g	1.81E+00	2.31E-05		1.40E-09
204	19	Surface	Silver	mg/kg	5.50E+01	7.03E-04		4.25E-08
204	19	Surface	Uranium	mg/kg	8.50E+01	1.09E-03		6.57E-08
204	19	Surface	Vanadium	mg/kg	1.06E+02	1.36E-03		8.20E-08
204	19	Surface	PAH, Total	mg/kg	1.30E-01	1.66E-06	2.90E-06	1.00E-10
204	19	Surface	Uranium-238	pCi/g	2.65E+00	3.39E-05		2.05E-09
204	2	Surface	Arsenic	mg/kg	4.59E+01	5.87E-04	2.37E-04	3.55E-08
204	2	Surface	Chromium	mg/kg	1.84E+01	2.35E-04		1.42E-08
204	2	Surface	Vanadium	mg/kg	1.20E+02	1.54E-03		9.30E-08
204	2	Surface	PAH, Total	mg/kg	6.20E-02	7.93E-07	1.39E-06	4.79E-11
204	2	Surface	Uranium-238	pCi/g	3.92E+00	5.01E-05		3.03E-09
204	20	Surface	Chromium	mg/kg	1.75E+02	2.24E-03		1.35E-07
204	20	Surface	Uranium	mg/kg	1.31E+04	1.67E-01		1.01E-05
204	20	Surface	Vanadium	mg/kg	1.14E+02	1.46E-03		8.82E-08
204	20	Surface	PCB, Total	mg/kg	7.90E+01	1.01E-03	1.90E-03	6.11E-08
204	20	Surface	Americium-241	pCi/g	3.71E+00	4.74E-05		2.87E-09
204	20	Surface	Cesium-137	pCi/g	1.17E+00	1.50E-05		9.06E-10
204	20	Surface	Protactinium-231	pCi/g	3.65E+01	4.66E-04		2.82E-08
204	20	Surface	Uranium-234	pCi/g	4.45E+02	5.69E-03		3.44E-07
204	20	Surface	Uranium-235	pCi/g	5.70E+01	7.29E-04		4.41E-08
204	20	Surface	Uranium-238	pCi/g	4.39E+03	5.61E-02		3.39E-06
204	21	Surface	Cobalt	mg/kg	1.80E+01	2.30E-04		1.39E-08
204	21	Surface	Vanadium	mg/kg	1.19E+02	1.52E-03		9.20E-08
204	3	Surface	Chromium	mg/kg	1.80E+01	2.30E-04		1.39E-08
204	3	Surface	Silver	mg/kg	5.40E+01	6.90E-04		4.18E-08
204	3	Surface	Vanadium	mg/kg	1.22E+02	1.56E-03		9.43E-08
204	3	Surface	PAH, Total	mg/kg	3.52E-02	4.50E-07	7.87E-07	2.72E-11
204	3	Surface	Uranium-238	pCi/g	2.31E+00	2.95E-05		1.79E-09
204	4	Surface	Iron	mg/kg	2.92E+04	3.74E-01		2.26E-05
204	4	Surface	Molybdenum	mg/kg	4.10E+01	5.24E-04		3.17E-08
204	4	Surface	Silver	mg/kg	5.90E+01	7.54E-04		4.56E-08
204	4	Surface	Vanadium	mg/kg	1.39E+02	1.78E-03		1.07E-07
204	4	Surface	PAH, Total	mg/kg	2.33E-02	2.98E-07	5.21E-07	1.80E-11
204	4	Surface	Uranium-238	pCi/g	1.82E+00	2.33E-05		1.41E-09
204	5	Surface	Arsenic	mg/kg	5.67E+01	7.25E-04	2.93E-04	4.39E-08
204	5	Surface	Chromium	mg/kg	1.61E+01	2.05E-04		1.24E-08
204	5	Surface	Vanadium	mg/kg	1.21E+02	1.55E-03		9.37E-08

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.20. Noncancerous CDIs for the Child Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	5	Surface	PAH, Total	mg/kg	2.04E-02	2.61E-07	4.56E-07	1.58E-11
204	5	Surface	Uranium-238	pCi/g	5.65E+00	7.22E-05		4.37E-09
204	6	Surface	Vanadium	mg/kg	1.25E+02	1.60E-03		9.67E-08
204	6	Surface	PAH, Total	mg/kg	3.25E-02	4.16E-07	7.27E-07	2.51E-11
204	6	Surface	Uranium-238	pCi/g	3.63E+00	4.64E-05		2.81E-09
204	7	Surface	Iron	mg/kg	2.95E+04	3.77E-01		2.28E-05
204	7	Surface	Manganese	mg/kg	1.94E+03	2.48E-02		1.50E-06
204	7	Surface	Vanadium	mg/kg	1.27E+02	1.62E-03		9.82E-08
204	7	Surface	PAH, Total	mg/kg	9.68E-03	1.24E-07	2.16E-07	7.49E-12
204	7	Surface	Uranium-238	pCi/g	2.04E+00	2.61E-05		1.58E-09
204	8	Surface	Chromium	mg/kg	1.70E+01	2.17E-04		1.31E-08
204	8	Surface	Cobalt	mg/kg	1.40E+01	1.79E-04		1.08E-08
204	8	Surface	Iron	mg/kg	2.94E+04	3.76E-01		2.27E-05
204	8	Surface	Vanadium	mg/kg	1.32E+02	1.69E-03		1.02E-07
204	8	Surface	PAH, Total	mg/kg	7.37E-02	9.42E-07	1.65E-06	5.70E-11
204	8	Surface	Uranium-238	pCi/g	2.01E+00	2.57E-05		1.55E-09
204	9	Surface	Chromium	mg/kg	1.80E+01	2.30E-04		1.39E-08
204	9	Surface	Iron	mg/kg	2.96E+04	3.79E-01		2.29E-05
204	9	Surface	Vanadium	mg/kg	1.37E+02	1.75E-03		1.06E-07
204	9	Surface	PAH, Total	mg/kg	5.01E+00	6.40E-05	1.12E-04	3.87E-09
204	9	Surface	Uranium-238	pCi/g	2.22E+00	2.84E-05		1.72E-09
211	1	Surface	Antimony	mg/kg	6.52E+01	8.34E-04		5.04E-08
211	1	Surface	Chromium	mg/kg	4.48E+01	5.72E-04		3.46E-08
211	1	Surface	Iron	mg/kg	3.05E+04	3.90E-01		2.36E-05
211	1	Surface	Thallium	mg/kg	3.30E-01	4.22E-06		2.55E-10
211	1	Surface	Vanadium	mg/kg	1.01E+02	1.29E-03		7.81E-08
211	1	Surface	PAH, Total	mg/kg	1.04E-01	1.33E-06	2.32E-06	8.03E-11
211	1	Surface	PCB, Total	mg/kg	3.60E-01	4.60E-06	8.67E-06	2.78E-10
211	1	Surface	Cesium-137	pCi/g	1.67E+00	2.14E-05		1.29E-09
211	1	Surface	Neptunium-237	pCi/g	5.93E+00	7.58E-05		4.59E-09
211	1	Surface	Uranium-234	pCi/g	6.69E+01	8.55E-04		5.17E-08
211	1	Surface	Uranium-238	pCi/g	1.19E+02	1.52E-03		9.20E-08
224	1	Surface	Antimony	mg/kg	1.08E+02	1.38E-03		8.36E-08
224	1	Surface	Uranium	mg/kg	4.15E+01	5.31E-04		3.21E-08
224	1	Surface	PAH, Total	mg/kg	5.95E-01	7.61E-06	1.33E-05	4.60E-10
224	1	Surface	Uranium-238	pCi/g	1.39E+01	1.78E-04		1.07E-08
225	1	Surface	Antimony	mg/kg	5.41E+01	6.92E-04		4.19E-08
225	1	Surface	Chromium	mg/kg	2.55E+01	3.26E-04		1.97E-08
225	1	Surface	Thallium	mg/kg	2.80E-01	3.58E-06		2.17E-10
225	1	Surface	Vanadium	mg/kg	1.09E+02	1.39E-03		8.43E-08
225	1	Surface	PAH, Total	mg/kg	7.79E-02	9.95E-07	1.74E-06	6.02E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.20. Noncancerous CDIs for the Child Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
225	1	Surface	Uranium-238	pCi/g	2.04E+00	2.61E-05		1.58E-09
26	1	Surface	Chromium	mg/kg	1.67E+01	2.14E-04		1.29E-08
26	1	Surface	Iron	mg/kg	2.88E+04	3.68E-01		2.23E-05
26	1	Surface	Uranium	mg/kg	6.28E+02	8.03E-03		4.86E-07
26	1	Surface	Vanadium	mg/kg	1.61E+02	2.06E-03		1.25E-07
26	1	Surface	PAH, Total	mg/kg	1.97E-01	2.52E-06	4.40E-06	1.52E-10
26	1	Surface	PCB, Total	mg/kg	9.40E+00	1.20E-04	2.26E-04	7.27E-09
26	1	Surface	Uranium-234	pCi/g	7.78E+00	9.95E-05		6.02E-09
26	1	Surface	Uranium-235	pCi/g	1.23E+00	1.57E-05		9.52E-10
26	1	Surface	Uranium-238	pCi/g	6.75E+01	8.63E-04		5.22E-08
26	2	Surface	Aluminum	mg/kg	2.61E+04	3.34E-01		2.02E-05
26	2	Surface	Arsenic	mg/kg	4.23E+01	5.40E-04	2.18E-04	3.27E-08
26	2	Surface	Beryllium	mg/kg	1.13E+01	1.44E-04		8.70E-09
26	2	Surface	Chromium	mg/kg	4.12E+01	5.27E-04		3.19E-08
26	2	Surface	Cobalt	mg/kg	6.59E+01	8.42E-04		5.10E-08
26	2	Surface	Iron	mg/kg	5.20E+04	6.64E-01		4.02E-05
26	2	Surface	Nickel	mg/kg	1.03E+02	1.31E-03		7.94E-08
26	2	Surface	Thallium	mg/kg	2.38E+01	3.04E-04		1.84E-08
26	2	Surface	Uranium	mg/kg	7.18E+02	9.18E-03		5.55E-07
26	2	Surface	Vanadium	mg/kg	1.16E+02	1.48E-03		8.95E-08
26	2	Surface	PCB, Total	mg/kg	3.25E+00	4.16E-05	7.83E-05	2.51E-09
26	2	Surface	Cesium-137	pCi/g	9.52E+00	1.22E-04		7.36E-09
26	2	Surface	Neptunium-237	pCi/g	2.15E-01	2.75E-06		1.66E-10
26	2	Surface	Radium-228	pCi/g	1.69E+00	2.16E-05		1.31E-09
26	2	Surface	Thorium-230	pCi/g	3.59E+00	4.60E-05		2.78E-09
26	2	Surface	Uranium-234	pCi/g	1.98E+01	2.53E-04		1.53E-08
26	2	Surface	Uranium-235	pCi/g	2.36E+00	3.02E-05		1.83E-09
26	2	Surface	Uranium-238	pCi/g	5.01E+01	6.40E-04		3.87E-08
26	3	Surface	Arsenic	mg/kg	7.56E+01	9.66E-04	3.90E-04	5.84E-08
26	3	Surface	Chromium	mg/kg	4.56E+01	5.83E-04		3.52E-08
26	3	Surface	Iron	mg/kg	3.46E+04	4.43E-01		2.68E-05
26	3	Surface	Molybdenum	mg/kg	4.07E+01	5.21E-04		3.15E-08
26	3	Surface	Thallium	mg/kg	3.68E+00	4.71E-05		2.85E-09
26	3	Surface	Uranium	mg/kg	2.05E+02	2.62E-03		1.58E-07
26	3	Surface	Vanadium	mg/kg	1.44E+02	1.84E-03		1.11E-07
26	3	Surface	PAH, Total	mg/kg	3.30E-01	4.22E-06	7.38E-06	2.55E-10
26	3	Surface	PCB, Total	mg/kg	8.91E+00	1.14E-04	2.14E-04	6.89E-09
26	3	Surface	Cesium-137	pCi/g	4.51E+00	5.77E-05		3.49E-09
26	3	Surface	Neptunium-237	pCi/g	3.70E-01	4.73E-06		2.86E-10
26	3	Surface	Uranium-234	pCi/g	5.02E+00	6.41E-05		3.88E-09
26	3	Surface	Uranium-235	pCi/g	3.15E-01	4.03E-06		2.44E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.20. Noncancerous CDIs for the Child Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
26	3	Surface	Uranium-238	pCi/g	7.00E+00	8.95E-05		5.41E-09
26	4	Surface	Aluminum	mg/kg	1.11E+04	1.42E-01		8.60E-06
26	4	Surface	Arsenic	mg/kg	6.01E+01	7.69E-04	3.10E-04	4.65E-08
26	4	Surface	Chromium	mg/kg	1.14E+02	1.46E-03		8.84E-08
26	4	Surface	Iron	mg/kg	2.81E+04	3.60E-01		2.18E-05
26	4	Surface	Mercury	mg/kg	7.33E+01	9.37E-04		5.67E-08
26	4	Surface	Molybdenum	mg/kg	3.49E+01	4.47E-04		2.70E-08
26	4	Surface	Nickel	mg/kg	8.10E+01	1.04E-03		6.26E-08
26	4	Surface	Uranium	mg/kg	1.47E+03	1.88E-02		1.14E-06
26	4	Surface	Vanadium	mg/kg	1.42E+02	1.81E-03		1.10E-07
26	4	Surface	PAH, Total	mg/kg	5.53E+00	7.07E-05	1.24E-04	4.27E-09
26	4	Surface	PCB, Total	mg/kg	7.95E+00	1.02E-04	1.91E-04	6.15E-09
26	4	Surface	Cesium-137	pCi/g	1.02E+00	1.31E-05		7.91E-10
26	4	Surface	Neptunium-237	pCi/g	2.80E+00	3.57E-05		2.16E-09
26	4	Surface	Plutonium-239/240	pCi/g	1.35E+01	1.73E-04		1.04E-08
26	4	Surface	Technetium-99	pCi/g	8.36E+02	1.07E-02		6.46E-07
26	4	Surface	Thorium-230	pCi/g	5.48E+01	7.00E-04		4.23E-08
26	4	Surface	Uranium-234	pCi/g	2.15E+02	2.75E-03		1.67E-07
26	4	Surface	Uranium-235	pCi/g	1.52E+01	1.94E-04		1.17E-08
26	4	Surface	Uranium-238	pCi/g	8.49E+02	1.09E-02		6.57E-07
77	1	Surface	Chromium	mg/kg	8.30E+01	1.06E-03		6.42E-08
77	1	Surface	Iron	mg/kg	5.03E+04	6.43E-01		3.89E-05
77	1	Surface	Uranium	mg/kg	6.66E+02	8.52E-03		5.15E-07
77	1	Surface	Vanadium	mg/kg	1.68E+02	2.15E-03		1.30E-07
77	1	Surface	PAH, Total	mg/kg	7.02E-02	8.98E-07	1.57E-06	5.43E-11
77	1	Surface	PCB, Total	mg/kg	5.00E+00	6.39E-05	1.20E-04	3.87E-09
77	1	Surface	Thorium-230	pCi/g	1.03E+01	1.32E-04		7.97E-09
77	1	Surface	Uranium-238	pCi/g	1.53E+01	1.96E-04		1.18E-08
80	1	Surface	Uranium	mg/kg	9.80E+01	1.25E-03		7.58E-08
80	1	Surface	Dioxins/Furans, Total	mg/kg	8.82E-05	1.13E-09	4.55E-10	6.82E-14
80	1	Surface	PCB, Total	mg/kg	1.20E+02	1.53E-03	2.89E-03	9.28E-08
80	2	Surface	Antimony	mg/kg	5.82E+01	7.44E-04		4.50E-08
80	2	Surface	Chromium	mg/kg	1.65E+02	2.11E-03		1.28E-07
80	2	Surface	Cobalt	mg/kg	1.90E+01	2.43E-04		1.47E-08
80	2	Surface	Iron	mg/kg	3.52E+04	4.49E-01		2.72E-05
80	2	Surface	Uranium	mg/kg	5.72E+03	7.32E-02		4.43E-06
80	2	Surface	Vanadium	mg/kg	1.29E+02	1.65E-03		9.98E-08
80	2	Surface	PAH, Total	mg/kg	7.21E-01	9.22E-06	1.61E-05	5.58E-10
80	2	Surface	PCB, Total	mg/kg	1.26E+01	1.61E-04	3.03E-04	9.74E-09
80	2	Surface	Americium-241	pCi/g	6.40E+00	8.18E-05		4.95E-09
80	2	Surface	Cesium-137	pCi/g	8.40E-01	1.07E-05		6.50E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.20. Noncancerous CDIs for the Child Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
80	2	Surface	Neptunium-237	pCi/g	5.05E-01	6.46E-06		3.91E-10
80	2	Surface	Uranium-234	pCi/g	2.29E+02	2.93E-03		1.77E-07
80	2	Surface	Uranium-235	pCi/g	3.00E+01	3.84E-04		2.32E-08
80	2	Surface	Uranium-238	pCi/g	1.92E+03	2.46E-02		1.49E-06
80	3	Surface	Chromium	mg/kg	1.81E+01	2.32E-04		1.40E-08
80	3	Surface	Iron	mg/kg	3.05E+04	3.90E-01		2.36E-05
80	3	Surface	Manganese	mg/kg	9.46E+02	1.21E-02		7.31E-07
80	3	Surface	Molybdenum	mg/kg	2.33E+01	2.98E-04		1.80E-08
80	3	Surface	Uranium	mg/kg	7.32E+01	9.36E-04		5.66E-08
80	3	Surface	Vanadium	mg/kg	1.21E+02	1.54E-03		9.33E-08
80	3	Surface	PCB, Total	mg/kg	5.66E+02	7.24E-03	1.36E-02	4.38E-07
80	3	Surface	Uranium-238	pCi/g	1.59E+00	2.03E-05		1.23E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.21. Cancerous CDIs for the Resident

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
13	1	Surface	Vanadium	mg/kg	3.23E+01	4.65E-05		9.28E-06	
13	2	Surface	Iron	mg/kg	2.47E+04	3.56E-02		7.11E-03	
13	2	Surface	Manganese	mg/kg	1.22E+03	1.76E-03		3.52E-04	
13	2	Surface	Vanadium	mg/kg	9.38E+01	1.35E-04		2.70E-05	
13	2	Surface	Uranium-238	pCi/g	1.40E+00	1.57E+03		2.47E-01	2.09E+01
13	3	Surface	Iron	mg/kg	2.63E+04	3.78E-02		7.56E-03	
13	3	Surface	Manganese	mg/kg	1.09E+03	1.57E-03		3.14E-04	
13	3	Surface	Molybdenum	mg/kg	2.19E+01	3.15E-05		6.29E-06	
13	3	Surface	PAH, Total	mg/kg	2.15E-02	3.09E-08	9.89E-08	6.18E-09	
13	3	Surface	Vanadium	mg/kg	9.88E+01	1.42E-04		2.84E-05	
13	4	Surface	Iron	mg/kg	2.75E+04	3.95E-02		7.89E-03	
13	4	Surface	PAH, Total	mg/kg	4.13E-01	5.94E-07	1.90E-06	1.19E-07	
13	4	Surface	PCB, Total	mg/kg	1.05E+01	1.51E-05	5.21E-05	3.02E-06	
13	4	Surface	Vanadium	mg/kg	9.81E+01	1.41E-04		2.82E-05	
13	4	Surface	Uranium-238	pCi/g	1.78E+00	1.99E+03		3.13E-01	2.66E+01
13	5	Surface	Aluminum	mg/kg	9.83E+03	1.41E-02		2.82E-03	
13	5	Surface	Chromium	mg/kg	1.38E+01	1.98E-05		3.96E-06	
13	5	Surface	Iron	mg/kg	2.42E+04	3.48E-02		6.95E-03	
13	5	Surface	Manganese	mg/kg	9.08E+02	1.31E-03		2.61E-04	
13	5	Surface	PAH, Total	mg/kg	4.41E-01	6.34E-07	2.03E-06	1.27E-07	
13	5	Surface	PCB, Total	mg/kg	6.66E+00	9.58E-06	3.30E-05	1.91E-06	
13	5	Surface	Uranium	mg/kg	7.41E+01	1.07E-04		2.13E-05	
13	5	Surface	Vanadium	mg/kg	1.06E+02	1.52E-04		3.03E-05	
13	5	Surface	Neptunium-237	pCi/g	3.88E-01	4.35E+02		6.83E-02	5.80E+00
13	5	Surface	Technetium-99	pCi/g	1.07E+02	1.19E+05		1.88E+01	1.60E+03
13	5	Surface	Uranium-234	pCi/g	2.57E+01	2.88E+04		4.53E+00	3.85E+02
13	5	Surface	Uranium-235	pCi/g	2.95E+00	3.30E+03		5.19E-01	4.41E+01
13	5	Surface	Uranium-238	pCi/g	4.60E+01	5.15E+04		8.09E+00	6.87E+02
13	6	Surface	Iron	mg/kg	3.09E+04	4.44E-02		8.87E-03	
13	6	Surface	PAH, Total	mg/kg	6.51E-01	9.36E-07	3.00E-06	1.87E-07	
13	6	Surface	PCB, Total	mg/kg	1.08E+01	1.55E-05	5.33E-05	3.09E-06	
13	6	Surface	Uranium	mg/kg	3.70E+01	5.32E-05		1.06E-05	
13	6	Surface	Vanadium	mg/kg	1.20E+02	1.72E-04		3.44E-05	
13	6	Surface	Neptunium-237	pCi/g	1.25E+00	1.40E+03		2.20E-01	1.87E+01
13	6	Surface	Technetium-99	pCi/g	9.50E+01	1.06E+05		1.67E+01	1.42E+03
13	6	Surface	Uranium-234	pCi/g	2.04E+01	2.28E+04		3.59E+00	3.05E+02
13	6	Surface	Uranium-235	pCi/g	1.40E+00	1.56E+03		2.46E-01	2.09E+01
13	6	Surface	Uranium-238	pCi/g	4.17E+01	4.67E+04		7.35E+00	6.24E+02
13	7	Surface	Iron	mg/kg	2.78E+04	4.01E-02		8.00E-03	
13	7	Surface	Silver	mg/kg	1.85E+02	2.65E-04		5.30E-05	
13	7	Surface	Vanadium	mg/kg	1.22E+02	1.75E-04		3.49E-05	
13	7	Surface	Uranium-238	pCi/g	1.30E+00	1.46E+03		2.29E-01	1.94E+01
13	8	Surface	Iron	mg/kg	2.41E+04	3.47E-02		6.93E-03	
13	8	Surface	Manganese	mg/kg	1.12E+03	1.61E-03		3.22E-04	
13	8	Surface	PAH, Total	mg/kg	1.22E-02	1.75E-08	5.61E-08	3.50E-09	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.21. Cancerous CDIs for the Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
13	8	Surface	Vanadium	mg/kg	9.97E+01	1.43E-04		2.86E-05	
13	9	Surface	Chromium	mg/kg	1.43E+01	2.06E-05		4.12E-06	
13	9	Surface	PAH, Total	mg/kg	2.65E-02	3.81E-08	1.22E-07	7.61E-09	
13	9	Surface	Vanadium	mg/kg	1.17E+02	1.68E-04		3.35E-05	
13	9	Surface	Neptunium-237	pCi/g	6.88E-01	7.71E+02		1.21E-01	1.03E+01
13	9	Surface	Uranium-238	pCi/g	4.07E+00	4.56E+03		7.17E-01	6.09E+01
13	10	Surface	Iron	mg/kg	3.80E+04	5.46E-02		1.09E-02	
13	10	Surface	Manganese	mg/kg	3.09E+03	4.44E-03		8.87E-04	
13	10	Surface	Silver	mg/kg	5.40E+01	7.77E-05		1.55E-05	
13	10	Surface	Vanadium	mg/kg	1.30E+02	1.87E-04		3.73E-05	
13	11	Surface	PCB, Total	mg/kg	1.03E+01	1.49E-05	5.12E-05	2.97E-06	
13	11	Surface	Silver	mg/kg	1.03E+02	1.48E-04		2.95E-05	
13	11	Surface	Vanadium	mg/kg	1.14E+02	1.63E-04		3.26E-05	
13	12	Surface	Iron	mg/kg	2.30E+04	3.31E-02		6.61E-03	
13	12	Surface	Manganese	mg/kg	1.35E+03	1.95E-03		3.89E-04	
13	12	Surface	Silver	mg/kg	8.88E+01	1.28E-04		2.55E-05	
13	12	Surface	Vanadium	mg/kg	1.16E+02	1.67E-04		3.34E-05	
13	13	Surface	Iron	mg/kg	2.89E+04	4.16E-02		8.31E-03	
13	13	Surface	Manganese	mg/kg	1.13E+03	1.62E-03		3.24E-04	
13	13	Surface	Molybdenum	mg/kg	2.73E+01	3.92E-05		7.83E-06	
13	13	Surface	Vanadium	mg/kg	1.19E+02	1.70E-04		3.40E-05	
13	14	Surface	PAH, Total	mg/kg	3.27E-02	4.70E-08	1.50E-07	9.39E-09	
13	14	Surface	PCB, Total	mg/kg	6.46E+00	9.29E-06	3.20E-05	1.86E-06	
13	14	Surface	Vanadium	mg/kg	1.22E+02	1.76E-04		3.52E-05	
13	14	Surface	Uranium-238	pCi/g	2.07E+00	2.32E+03		3.65E-01	3.10E+01
15	1	Surface	Antimony	mg/kg	7.49E+01	1.08E-04		2.15E-05	
15	1	Surface	Arsenic	mg/kg	1.27E+01	1.82E-05	1.34E-05	3.64E-06	
15	1	Surface	Cadmium	mg/kg	1.56E+01	2.25E-05	5.53E-07	4.48E-06	
15	1	Surface	Chromium	mg/kg	8.21E+01	1.18E-04		2.36E-05	
15	1	Surface	Iron	mg/kg	2.95E+04	4.25E-02		8.48E-03	
15	1	Surface	Nickel	mg/kg	1.32E+02	1.90E-04		3.79E-05	
15	1	Surface	PAH, Total	mg/kg	1.71E+00	2.47E-06	7.89E-06	4.92E-07	
15	1	Surface	Thallium	mg/kg	2.40E-01	3.45E-07		6.89E-08	
15	1	Surface	Uranium	mg/kg	3.26E+01	4.68E-05		9.35E-06	
15	1	Surface	Uranium-238	pCi/g	1.85E+00	2.07E+03		3.26E-01	2.77E+01
15	2	Surface	Antimony	mg/kg	9.83E+01	1.41E-04		2.82E-05	
15	2	Surface	Arsenic	mg/kg	1.63E+01	2.34E-05	1.73E-05	4.67E-06	
15	2	Surface	Chromium	mg/kg	5.90E+01	8.49E-05		1.69E-05	
15	2	Surface	Iron	mg/kg	3.89E+04	5.59E-02		1.12E-02	
15	2	Surface	Mercury	mg/kg	9.33E+00	1.34E-05		2.68E-06	
15	2	Surface	Nickel	mg/kg	1.97E+02	2.84E-04		5.67E-05	
15	2	Surface	PAH, Total	mg/kg	2.11E+00	3.03E-06	9.70E-06	6.05E-07	
15	2	Surface	PCB, Total	mg/kg	3.30E-01	4.75E-07	1.64E-06	9.48E-08	
15	2	Surface	Uranium	mg/kg	1.32E+02	1.89E-04		3.78E-05	
15	2	Surface	Uranium-234	pCi/g	6.51E+00	7.29E+03		1.15E+00	9.74E+01

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.21. Cancerous CDIs for the Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	2	Surface	Uranium-235	pCi/g	3.80E-01	4.26E+02		6.69E-02	5.68E+00
15	2	Surface	Uranium-238	pCi/g	1.21E+01	1.36E+04		2.13E+00	1.81E+02
15	3	Surface	Antimony	mg/kg	7.10E+01	1.02E-04		2.04E-05	
15	3	Surface	Arsenic	mg/kg	2.74E+01	3.94E-05	2.91E-05	7.87E-06	
15	3	Surface	Cadmium	mg/kg	1.25E+01	1.80E-05	4.43E-07	3.59E-06	
15	3	Surface	Chromium	mg/kg	7.53E+01	1.08E-04		2.16E-05	
15	3	Surface	Cobalt	mg/kg	3.41E+01	4.90E-05		9.79E-06	
15	3	Surface	Copper	mg/kg	1.60E+03	2.31E-03		4.60E-04	
15	3	Surface	Iron	mg/kg	9.20E+04	1.32E-01		2.64E-02	
15	3	Surface	Manganese	mg/kg	1.60E+03	2.31E-03		4.61E-04	
15	3	Surface	Mercury	mg/kg	1.05E+01	1.51E-05		3.01E-06	
15	3	Surface	Nickel	mg/kg	8.38E+02	1.20E-03		2.41E-04	
15	3	Surface	PAH, Total	mg/kg	1.45E+00	2.09E-06	6.69E-06	4.18E-07	
15	3	Surface	PCB, Total	mg/kg	6.82E+00	9.82E-06	3.38E-05	1.96E-06	
15	3	Surface	Thallium	mg/kg	2.60E-01	3.74E-07		7.47E-08	
15	3	Surface	Uranium	mg/kg	2.16E+02	3.11E-04		6.20E-05	
15	3	Surface	Vanadium	mg/kg	7.31E+01	1.05E-04		2.10E-05	
15	3	Surface	Neptunium-237	pCi/g	3.24E+00	3.62E+03		5.70E-01	4.84E+01
15	3	Surface	Technetium-99	pCi/g	2.90E+02	3.25E+05		5.11E+01	4.34E+03
15	3	Surface	Thorium-230	pCi/g	5.14E+00	5.75E+03		9.05E-01	7.69E+01
15	3	Surface	Uranium-234	pCi/g	1.40E+02	1.57E+05		2.47E+01	2.10E+03
15	3	Surface	Uranium-235	pCi/g	1.49E+01	1.67E+04		2.62E+00	2.23E+02
15	3	Surface	Uranium-238	pCi/g	8.68E+02	9.72E+05		1.53E+02	1.30E+04
15	4	Surface	Antimony	mg/kg	7.63E+01	1.10E-04		2.19E-05	
15	4	Surface	Arsenic	mg/kg	3.37E+01	4.84E-05	3.58E-05	9.67E-06	
15	4	Surface	Cadmium	mg/kg	1.86E+01	2.67E-05	6.58E-07	5.34E-06	
15	4	Surface	Chromium	mg/kg	9.02E+01	1.30E-04		2.59E-05	
15	4	Surface	Copper	mg/kg	5.99E+02	8.62E-04		1.72E-04	
15	4	Surface	Iron	mg/kg	6.90E+04	9.92E-02		1.98E-02	
15	4	Surface	Manganese	mg/kg	1.29E+03	1.85E-03		3.70E-04	
15	4	Surface	Mercury	mg/kg	3.04E+01	4.37E-05		8.72E-06	
15	4	Surface	Nickel	mg/kg	1.24E+03	1.79E-03		3.56E-04	
15	4	Surface	PAH, Total	mg/kg	1.75E+00	2.52E-06	8.05E-06	5.02E-07	
15	4	Surface	PCB, Total	mg/kg	3.13E+01	4.50E-05	1.55E-04	8.99E-06	
15	4	Surface	Thallium	mg/kg	1.85E-01	2.66E-07		5.31E-08	
15	4	Surface	Uranium	mg/kg	1.29E+02	1.86E-04		3.71E-05	
15	4	Surface	Vanadium	mg/kg	8.43E+01	1.21E-04		2.42E-05	
15	4	Surface	Neptunium-237	pCi/g	6.60E-01	7.39E+02		1.16E-01	9.87E+00
15	4	Surface	Uranium-234	pCi/g	7.93E+00	8.88E+03		1.40E+00	1.19E+02
15	4	Surface	Uranium-235	pCi/g	3.64E-01	4.08E+02		6.41E-02	5.45E+00
15	4	Surface	Uranium-238	pCi/g	1.35E+01	1.51E+04		2.38E+00	2.02E+02
15	5	Surface	Antimony	mg/kg	1.01E+02	1.46E-04		2.91E-05	
15	5	Surface	Arsenic	mg/kg	1.28E+01	1.84E-05	1.36E-05	3.67E-06	
15	5	Surface	Cadmium	mg/kg	1.46E+01	2.10E-05	5.16E-07	4.19E-06	
15	5	Surface	Chromium	mg/kg	8.43E+01	1.21E-04		2.42E-05	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.21. Cancerous CDIs for the Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	5	Surface	Copper	mg/kg	5.63E+03	8.10E-03		1.62E-03	
15	5	Surface	Nickel	mg/kg	3.53E+02	5.07E-04		1.01E-04	
15	5	Surface	PAH, Total	mg/kg	5.11E-01	7.34E-07	2.35E-06	1.47E-07	
15	5	Surface	PCB, Total	mg/kg	2.51E+01	3.61E-05	1.25E-04	7.22E-06	
15	5	Surface	Uranium	mg/kg	1.76E+02	2.52E-04		5.04E-05	
15	5	Surface	Zinc	mg/kg	1.52E+03	2.19E-03		4.38E-04	
15	5	Surface	Neptunium-237	pCi/g	6.90E-01	7.73E+02		1.22E-01	1.03E+01
15	5	Surface	Uranium-235	pCi/g	4.60E-01	5.15E+02		8.10E-02	6.88E+00
15	5	Surface	Uranium-238	pCi/g	1.03E+01	1.15E+04		1.81E+00	1.54E+02
15	6	Surface	Antimony	mg/kg	8.85E+01	1.27E-04		2.54E-05	
15	6	Surface	Arsenic	mg/kg	1.24E+01	1.79E-05	1.32E-05	3.57E-06	
15	6	Surface	Cadmium	mg/kg	1.64E+01	2.35E-05	5.79E-07	4.70E-06	
15	6	Surface	Chromium	mg/kg	8.25E+01	1.19E-04		2.37E-05	
15	6	Surface	Cobalt	mg/kg	1.62E+01	2.33E-05		4.65E-06	
15	6	Surface	Copper	mg/kg	4.23E+02	6.08E-04		1.21E-04	
15	6	Surface	Iron	mg/kg	3.29E+04	4.73E-02		9.44E-03	
15	6	Surface	Nickel	mg/kg	3.00E+02	4.32E-04		8.63E-05	
15	6	Surface	PAH, Total	mg/kg	1.62E+00	2.34E-06	7.47E-06	4.66E-07	
15	6	Surface	PCB, Total	mg/kg	6.17E+00	8.87E-06	3.06E-05	1.77E-06	
15	6	Surface	Uranium	mg/kg	6.30E+01	9.06E-05		1.81E-05	
15	6	Surface	Neptunium-237	pCi/g	6.40E-01	7.17E+02		1.13E-01	9.57E+00
15	6	Surface	Uranium-234	pCi/g	8.74E+00	9.79E+03		1.54E+00	1.31E+02
15	6	Surface	Uranium-235	pCi/g	5.70E-01	6.38E+02		1.00E-01	8.53E+00
15	6	Surface	Uranium-238	pCi/g	1.54E+01	1.72E+04		2.71E+00	2.30E+02
15	7	Surface	Antimony	mg/kg	1.37E+02	1.97E-04		3.94E-05	
15	7	Surface	Arsenic	mg/kg	1.61E+01	2.31E-05	1.71E-05	4.62E-06	
15	7	Surface	Cadmium	mg/kg	1.80E+01	2.59E-05	6.37E-07	5.17E-06	
15	7	Surface	Chromium	mg/kg	7.97E+01	1.15E-04		2.29E-05	
15	7	Surface	Copper	mg/kg	8.29E+02	1.19E-03		2.38E-04	
15	7	Surface	Iron	mg/kg	3.42E+04	4.92E-02		9.82E-03	
15	7	Surface	Manganese	mg/kg	1.18E+03	1.70E-03		3.40E-04	
15	7	Surface	Nickel	mg/kg	5.59E+02	8.03E-04		1.60E-04	
15	7	Surface	PAH, Total	mg/kg	1.59E-01	2.28E-07	7.31E-07	4.56E-08	
15	7	Surface	PCB, Total	mg/kg	2.57E+01	3.69E-05	1.27E-04	7.37E-06	
15	7	Surface	Thallium	mg/kg	3.00E-01	4.32E-07		8.62E-08	
15	7	Surface	Uranium	mg/kg	5.39E+01	7.75E-05		1.55E-05	
15	7	Surface	Uranium-234	pCi/g	6.49E+00	7.27E+03		1.14E+00	9.71E+01
15	7	Surface	Uranium-235	pCi/g	4.50E-01	5.04E+02		7.93E-02	6.73E+00
15	7	Surface	Uranium-238	pCi/g	8.05E+00	9.02E+03		1.42E+00	1.20E+02
15	8	Surface	Antimony	mg/kg	7.42E+01	1.07E-04		2.13E-05	
15	8	Surface	Arsenic	mg/kg	1.17E+01	1.68E-05	1.24E-05	3.35E-06	
15	8	Surface	Cadmium	mg/kg	1.68E+01	2.42E-05	5.95E-07	4.83E-06	
15	8	Surface	Chromium	mg/kg	7.74E+01	1.11E-04		2.22E-05	
15	8	Surface	Iron	mg/kg	2.83E+04	4.06E-02		8.12E-03	
15	8	Surface	Mercury	mg/kg	1.01E+01	1.45E-05		2.89E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.21. Cancerous CDIs for the Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	8	Surface	Nickel	mg/kg	1.82E+02	2.61E-04		5.22E-05	
15	8	Surface	PAH, Total	mg/kg	3.59E-01	5.16E-07	1.65E-06	1.03E-07	
15	8	Surface	PCB, Total	mg/kg	5.01E+00	7.20E-06	2.48E-05	1.44E-06	
15	8	Surface	Uranium	mg/kg	4.46E+01	6.41E-05		1.28E-05	
15	8	Surface	Neptunium-237	pCi/g	3.65E-01	4.09E+02		6.43E-02	5.46E+00
15	8	Surface	Uranium-238	pCi/g	6.64E+00	7.44E+03		1.17E+00	9.93E+01
15	9	Surface	Antimony	mg/kg	1.12E+02	1.61E-04		3.21E-05	
15	9	Surface	Arsenic	mg/kg	1.10E+01	1.59E-05	1.17E-05	3.17E-06	
15	9	Surface	Cadmium	mg/kg	1.81E+01	2.60E-05	6.41E-07	5.20E-06	
15	9	Surface	Chromium	mg/kg	9.56E+01	1.38E-04		2.75E-05	
15	9	Surface	Iron	mg/kg	2.76E+04	3.97E-02		7.93E-03	
15	9	Surface	Nickel	mg/kg	1.49E+02	2.14E-04		4.28E-05	
15	9	Surface	PAH, Total	mg/kg	2.38E-01	3.43E-07	1.10E-06	6.85E-08	
15	9	Surface	PCB, Total	mg/kg	6.31E+00	9.07E-06	3.13E-05	1.81E-06	
15	9	Surface	Uranium	mg/kg	3.07E+01	4.41E-05		8.81E-06	
15	9	Surface	Vanadium	mg/kg	7.33E+01	1.05E-04		2.11E-05	
15	9	Surface	Uranium-238	pCi/g	7.12E+00	7.97E+03		1.25E+00	1.07E+02
15	10	Surface	Antimony	mg/kg	1.25E+02	1.80E-04		3.59E-05	
15	10	Surface	Cadmium	mg/kg	1.67E+01	2.40E-05	5.91E-07	4.80E-06	
15	10	Surface	Chromium	mg/kg	3.55E+01	5.11E-05		1.02E-05	
15	10	Surface	Mercury	mg/kg	7.84E+00	1.13E-05		2.25E-06	
15	10	Surface	Nickel	mg/kg	2.26E+02	3.26E-04		6.50E-05	
15	10	Surface	PAH, Total	mg/kg	1.28E-01	1.85E-07	5.91E-07	3.69E-08	
15	10	Surface	Uranium	mg/kg	9.02E+01	1.30E-04		2.59E-05	
26	1	Surface	Chromium	mg/kg	1.67E+01	2.40E-05		4.80E-06	
26	1	Surface	Iron	mg/kg	2.88E+04	4.14E-02		8.27E-03	
26	1	Surface	PAH, Total	mg/kg	1.97E-01	2.83E-07	9.07E-07	5.66E-08	
26	1	Surface	PCB, Total	mg/kg	9.40E+00	1.35E-05	4.66E-05	2.70E-06	
26	1	Surface	Uranium	mg/kg	6.28E+02	9.03E-04		1.80E-04	
26	1	Surface	Vanadium	mg/kg	1.61E+02	2.32E-04		4.62E-05	
26	1	Surface	Uranium-234	pCi/g	7.78E+00	8.71E+03		1.37E+00	1.16E+02
26	1	Surface	Uranium-235	pCi/g	1.23E+00	1.38E+03		2.17E-01	1.84E+01
26	1	Surface	Uranium-238	pCi/g	6.75E+01	7.56E+04		1.19E+01	1.01E+03
26	2	Surface	Aluminum	mg/kg	2.61E+04	3.75E-02		7.50E-03	
26	2	Surface	Arsenic	mg/kg	4.23E+01	6.08E-05	4.49E-05	1.21E-05	
26	2	Surface	Beryllium	mg/kg	1.13E+01	1.62E-05		3.23E-06	
26	2	Surface	Chromium	mg/kg	4.12E+01	5.93E-05		1.18E-05	
26	2	Surface	Cobalt	mg/kg	6.59E+01	9.48E-05		1.89E-05	
26	2	Surface	Iron	mg/kg	5.20E+04	7.47E-02		1.49E-02	
26	2	Surface	Nickel	mg/kg	1.03E+02	1.48E-04		2.95E-05	
26	2	Surface	PCB, Total	mg/kg	3.25E+00	4.68E-06	1.61E-05	9.34E-07	
26	2	Surface	Thallium	mg/kg	2.38E+01	3.42E-05		6.83E-06	
26	2	Surface	Uranium	mg/kg	7.18E+02	1.03E-03		2.06E-04	
26	2	Surface	Vanadium	mg/kg	1.16E+02	1.66E-04		3.32E-05	
26	2	Surface	Cesium-137	pCi/g	9.52E+00	8.03E+03		1.26E+00	1.07E+02

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.21. Cancerous CDIs for the Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
26	2	Surface	Neptunium-237	pCi/g	2.15E-01	2.41E+02		3.79E-02	3.22E+00
26	2	Surface	Radium-228	pCi/g	1.69E+00	5.76E+02		9.05E-02	7.69E+00
26	2	Surface	Thorium-230	pCi/g	3.59E+00	4.02E+03		6.33E-01	5.38E+01
26	2	Surface	Uranium-234	pCi/g	1.98E+01	2.21E+04		3.48E+00	2.96E+02
26	2	Surface	Uranium-235	pCi/g	2.36E+00	2.64E+03		4.16E-01	3.53E+01
26	2	Surface	Uranium-238	pCi/g	5.01E+01	5.61E+04		8.82E+00	7.49E+02
26	3	Surface	Arsenic	mg/kg	7.56E+01	1.09E-04	8.03E-05	2.17E-05	
26	3	Surface	Chromium	mg/kg	4.56E+01	6.55E-05		1.31E-05	
26	3	Surface	Iron	mg/kg	3.46E+04	4.98E-02		9.94E-03	
26	3	Surface	Molybdenum	mg/kg	4.07E+01	5.86E-05		1.17E-05	
26	3	Surface	PAH, Total	mg/kg	3.30E-01	4.75E-07	1.52E-06	9.48E-08	
26	3	Surface	PCB, Total	mg/kg	8.91E+00	1.28E-05	4.41E-05	2.56E-06	
26	3	Surface	Thallium	mg/kg	3.68E+00	5.30E-06		1.06E-06	
26	3	Surface	Uranium	mg/kg	2.05E+02	2.95E-04		5.88E-05	
26	3	Surface	Vanadium	mg/kg	1.44E+02	2.07E-04		4.13E-05	
26	3	Surface	Cesium-137	pCi/g	4.51E+00	3.81E+03		5.98E-01	5.08E+01
26	3	Surface	Neptunium-237	pCi/g	3.70E-01	4.14E+02		6.52E-02	5.53E+00
26	3	Surface	Uranium-234	pCi/g	5.02E+00	5.62E+03		8.84E-01	7.50E+01
26	3	Surface	Uranium-235	pCi/g	3.15E-01	3.53E+02		5.55E-02	4.71E+00
26	3	Surface	Uranium-238	pCi/g	7.00E+00	7.84E+03		1.23E+00	1.05E+02
26	4	Surface	Aluminum	mg/kg	1.11E+04	1.60E-02		3.19E-03	
26	4	Surface	Arsenic	mg/kg	6.01E+01	8.65E-05	6.38E-05	1.73E-05	
26	4	Surface	Chromium	mg/kg	1.14E+02	1.64E-04		3.28E-05	
26	4	Surface	Iron	mg/kg	2.81E+04	4.05E-02		8.08E-03	
26	4	Surface	Mercury	mg/kg	7.33E+01	1.05E-04		2.11E-05	
26	4	Surface	Molybdenum	mg/kg	3.49E+01	5.02E-05		1.00E-05	
26	4	Surface	Nickel	mg/kg	8.10E+01	1.16E-04		2.33E-05	
26	4	Surface	PAH, Total	mg/kg	5.53E+00	7.95E-06	2.54E-05	1.59E-06	
26	4	Surface	PCB, Total	mg/kg	7.95E+00	1.14E-05	3.94E-05	2.28E-06	
26	4	Surface	Uranium	mg/kg	1.47E+03	2.12E-03		4.23E-04	
26	4	Surface	Vanadium	mg/kg	1.42E+02	2.04E-04		4.08E-05	
26	4	Surface	Cesium-137	pCi/g	1.02E+00	8.62E+02		1.36E-01	1.15E+01
26	4	Surface	Neptunium-237	pCi/g	2.80E+00	3.13E+03		4.92E-01	4.18E+01
26	4	Surface	Plutonium-239/240	pCi/g	1.35E+01	1.51E+04		2.38E+00	2.02E+02
26	4	Surface	Technetium-99	pCi/g	8.36E+02	9.36E+05		1.47E+02	1.25E+04
26	4	Surface	Thorium-230	pCi/g	5.48E+01	6.13E+04		9.64E+00	8.19E+02
26	4	Surface	Uranium-234	pCi/g	2.15E+02	2.41E+05		3.79E+01	3.22E+03
26	4	Surface	Uranium-235	pCi/g	1.52E+01	1.70E+04		2.67E+00	2.27E+02
26	4	Surface	Uranium-238	pCi/g	8.49E+02	9.51E+05		1.50E+02	1.27E+04
77	1	Surface	Chromium	mg/kg	8.30E+01	1.19E-04		2.38E-05	
77	1	Surface	Iron	mg/kg	5.03E+04	7.24E-02		1.45E-02	
77	1	Surface	PAH, Total	mg/kg	7.02E-02	1.01E-07	3.23E-07	2.02E-08	
77	1	Surface	PCB, Total	mg/kg	5.00E+00	7.19E-06	2.48E-05	1.44E-06	
77	1	Surface	Uranium	mg/kg	6.66E+02	9.58E-04		1.91E-04	
77	1	Surface	Vanadium	mg/kg	1.68E+02	2.42E-04		4.83E-05	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.21. Cancerous CDIs for the Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
77	1	Surface	Thorium-230	pCi/g	1.03E+01	1.15E+04		1.81E+00	1.54E+02
77	1	Surface	Uranium-238	pCi/g	1.53E+01	1.71E+04		2.69E+00	2.29E+02
80	1	Surface	Dioxins/Furans, Total	mg/kg	8.82E-05	1.27E-10	9.37E-11	2.53E-11	
80	1	Surface	PCB, Total	mg/kg	1.20E+02	1.73E-04	5.95E-04	3.45E-05	
80	1	Surface	Uranium	mg/kg	9.80E+01	1.41E-04		2.81E-05	
80	2	Surface	Antimony	mg/kg	5.82E+01	8.37E-05		1.67E-05	
80	2	Surface	Chromium	mg/kg	1.65E+02	2.37E-04		4.74E-05	
80	2	Surface	Cobalt	mg/kg	1.90E+01	2.73E-05		5.46E-06	
80	2	Surface	Iron	mg/kg	3.52E+04	5.06E-02		1.01E-02	
80	2	Surface	PAH, Total	mg/kg	7.21E-01	1.04E-06	3.32E-06	2.07E-07	
80	2	Surface	PCB, Total	mg/kg	1.26E+01	1.81E-05	6.24E-05	3.62E-06	
80	2	Surface	Uranium	mg/kg	5.72E+03	8.23E-03		1.64E-03	
80	2	Surface	Vanadium	mg/kg	1.29E+02	1.86E-04		3.71E-05	
80	2	Surface	Americium-241	pCi/g	6.40E+00	7.02E+03		1.10E+00	9.38E+01
80	2	Surface	Cesium-137	pCi/g	8.40E-01	7.08E+02		1.11E-01	9.46E+00
80	2	Surface	Neptunium-237	pCi/g	5.05E-01	5.66E+02		8.89E-02	7.55E+00
80	2	Surface	Uranium-234	pCi/g	2.29E+02	2.56E+05		4.03E+01	3.43E+03
80	2	Surface	Uranium-235	pCi/g	3.00E+01	3.36E+04		5.28E+00	4.49E+02
80	2	Surface	Uranium-238	pCi/g	1.92E+03	2.15E+06		3.38E+02	2.87E+04
80	3	Surface	Chromium	mg/kg	1.81E+01	2.61E-05		5.21E-06	
80	3	Surface	Iron	mg/kg	3.05E+04	4.39E-02		8.76E-03	
80	3	Surface	Manganese	mg/kg	9.46E+02	1.36E-03		2.72E-04	
80	3	Surface	Molybdenum	mg/kg	2.33E+01	3.36E-05		6.70E-06	
80	3	Surface	PCB, Total	mg/kg	5.66E+02	8.14E-04	2.80E-03	1.63E-04	
80	3	Surface	Uranium	mg/kg	7.32E+01	1.05E-04		2.10E-05	
80	3	Surface	Vanadium	mg/kg	1.21E+02	1.74E-04		3.47E-05	
80	3	Surface	Uranium-238	pCi/g	1.59E+00	1.78E+03		2.80E-01	2.38E+01
204	1	Surface	Aluminum	mg/kg	1.18E+04	1.69E-02		3.38E-03	
204	1	Surface	Chromium	mg/kg	1.42E+01	2.04E-05		4.07E-06	
204	1	Surface	PAH, Total	mg/kg	4.93E-01	7.09E-07	2.27E-06	1.42E-07	
204	1	Surface	Vanadium	mg/kg	1.20E+02	1.72E-04		3.44E-05	
204	1	Surface	Uranium-238	pCi/g	1.27E+00	1.43E+03		2.24E-01	1.91E+01
204	2	Surface	Arsenic	mg/kg	4.59E+01	6.60E-05	4.88E-05	1.32E-05	
204	2	Surface	Chromium	mg/kg	1.84E+01	2.65E-05		5.28E-06	
204	2	Surface	PAH, Total	mg/kg	6.20E-02	8.92E-08	2.85E-07	1.78E-08	
204	2	Surface	Vanadium	mg/kg	1.20E+02	1.73E-04		3.45E-05	
204	2	Surface	Uranium-238	pCi/g	3.92E+00	4.39E+03		6.90E-01	5.86E+01
204	3	Surface	Chromium	mg/kg	1.80E+01	2.59E-05		5.17E-06	
204	3	Surface	PAH, Total	mg/kg	3.52E-02	5.06E-08	1.62E-07	1.01E-08	
204	3	Surface	Silver	mg/kg	5.40E+01	7.77E-05		1.55E-05	
204	3	Surface	Vanadium	mg/kg	1.22E+02	1.75E-04		3.50E-05	
204	3	Surface	Uranium-238	pCi/g	2.31E+00	2.59E+03		4.07E-01	3.46E+01
204	4	Surface	Iron	mg/kg	2.92E+04	4.20E-02		8.39E-03	
204	4	Surface	Molybdenum	mg/kg	4.10E+01	5.90E-05		1.18E-05	
204	4	Surface	PAH, Total	mg/kg	2.33E-02	3.35E-08	1.07E-07	6.69E-09	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.21. Cancerous CDIs for the Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
204	4	Surface	Silver	mg/kg	5.90E+01	8.49E-05		1.69E-05	
204	4	Surface	Vanadium	mg/kg	1.39E+02	2.00E-04		3.99E-05	
204	4	Surface	Uranium-238	pCi/g	1.82E+00	2.04E+03		3.21E-01	2.72E+01
204	5	Surface	Arsenic	mg/kg	5.67E+01	8.16E-05	6.02E-05	1.63E-05	
204	5	Surface	Chromium	mg/kg	1.61E+01	2.31E-05		4.62E-06	
204	5	Surface	PAH, Total	mg/kg	2.04E-02	2.93E-08	9.39E-08	5.86E-09	
204	5	Surface	Vanadium	mg/kg	1.21E+02	1.74E-04		3.48E-05	
204	5	Surface	Uranium-238	pCi/g	5.65E+00	6.32E+03		9.94E-01	8.45E+01
204	6	Surface	PAH, Total	mg/kg	3.25E-02	4.67E-08	1.50E-07	9.33E-09	
204	6	Surface	Vanadium	mg/kg	1.25E+02	1.80E-04		3.59E-05	
204	6	Surface	Uranium-238	pCi/g	3.63E+00	4.07E+03		6.39E-01	5.43E+01
204	7	Surface	Iron	mg/kg	2.95E+04	4.24E-02		8.46E-03	
204	7	Surface	Manganese	mg/kg	1.94E+03	2.79E-03		5.57E-04	
204	7	Surface	PAH, Total	mg/kg	9.68E-03	1.39E-08	4.45E-08	2.78E-09	
204	7	Surface	Vanadium	mg/kg	1.27E+02	1.83E-04		3.65E-05	
204	7	Surface	Uranium-238	pCi/g	2.04E+00	2.28E+03		3.59E-01	3.05E+01
204	8	Surface	Chromium	mg/kg	1.70E+01	2.45E-05		4.88E-06	
204	8	Surface	Cobalt	mg/kg	1.40E+01	2.01E-05		4.02E-06	
204	8	Surface	Iron	mg/kg	2.94E+04	4.23E-02		8.45E-03	
204	8	Surface	PAH, Total	mg/kg	7.37E-02	1.06E-07	3.39E-07	2.12E-08	
204	8	Surface	Vanadium	mg/kg	1.32E+02	1.90E-04		3.79E-05	
204	8	Surface	Uranium-238	pCi/g	2.01E+00	2.25E+03		3.54E-01	3.01E+01
204	9	Surface	Chromium	mg/kg	1.80E+01	2.59E-05		5.17E-06	
204	9	Surface	Iron	mg/kg	2.96E+04	4.26E-02		8.51E-03	
204	9	Surface	PAH, Total	mg/kg	5.01E+00	7.21E-06	2.31E-05	1.44E-06	
204	9	Surface	Vanadium	mg/kg	1.37E+02	1.97E-04		3.94E-05	
204	9	Surface	Uranium-238	pCi/g	2.22E+00	2.49E+03		3.91E-01	3.32E+01
204	10	Surface	Antimony	mg/kg	1.20E+01	1.73E-05		3.45E-06	
204	10	Surface	Iron	mg/kg	3.08E+04	4.44E-02		8.86E-03	
204	10	Surface	PAH, Total	mg/kg	6.42E-02	9.23E-08	2.95E-07	1.84E-08	
204	10	Surface	Vanadium	mg/kg	1.19E+02	1.71E-04		3.42E-05	
204	10	Surface	Uranium-238	pCi/g	3.15E+00	3.53E+03		5.55E-01	4.71E+01
204	11	Surface	Iron	mg/kg	3.05E+04	4.39E-02		8.77E-03	
204	11	Surface	PAH, Total	mg/kg	8.95E-02	1.29E-07	4.12E-07	2.57E-08	
204	11	Surface	Vanadium	mg/kg	1.43E+02	2.06E-04		4.11E-05	
204	11	Surface	Uranium-238	pCi/g	3.09E+00	3.46E+03		5.44E-01	4.62E+01
204	12	Surface	Iron	mg/kg	2.86E+04	4.12E-02		8.22E-03	
204	12	Surface	PAH, Total	mg/kg	6.43E-02	9.25E-08	2.96E-07	1.85E-08	
204	12	Surface	Thallium	mg/kg	2.10E-01	3.02E-07		6.03E-08	
204	12	Surface	Vanadium	mg/kg	1.44E+02	2.07E-04		4.14E-05	
204	12	Surface	Uranium-238	pCi/g	3.26E+00	3.65E+03		5.74E-01	4.88E+01
204	13	Surface	Chromium	mg/kg	1.70E+01	2.45E-05		4.88E-06	
204	13	Surface	PAH, Total	mg/kg	5.05E-01	7.26E-07	2.32E-06	1.45E-07	
204	13	Surface	Vanadium	mg/kg	1.45E+02	2.09E-04		4.16E-05	
204	13	Surface	Uranium-238	pCi/g	2.98E+00	3.34E+03		5.25E-01	4.46E+01

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.21. Cancerous CDIs for the Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
204	14	Surface	Arsenic	mg/kg	1.36E+02	1.96E-04	1.44E-04	3.91E-05	
204	14	Surface	Chromium	mg/kg	1.70E+01	2.45E-05		4.88E-06	
204	14	Surface	Iron	mg/kg	3.17E+04	4.56E-02		9.11E-03	
204	14	Surface	PAH, Total	mg/kg	1.28E-01	1.84E-07	5.87E-07	3.67E-08	
204	14	Surface	Uranium	mg/kg	1.34E+02	1.93E-04		3.85E-05	
204	14	Surface	Vanadium	mg/kg	1.43E+02	2.06E-04		4.11E-05	
204	14	Surface	Uranium-238	pCi/g	4.25E+00	4.76E+03		7.49E-01	6.36E+01
204	15	Surface	Iron	mg/kg	2.90E+04	4.18E-02		8.34E-03	
204	15	Surface	PAH, Total	mg/kg	1.25E-02	1.79E-08	5.73E-08	3.58E-09	
204	15	Surface	Vanadium	mg/kg	1.13E+02	1.63E-04		3.25E-05	
204	15	Surface	Cesium-137	pCi/g	6.30E-01	5.31E+02		8.35E-02	7.09E+00
204	15	Surface	Uranium-238	pCi/g	5.37E+00	6.01E+03		9.46E-01	8.03E+01
204	16	Surface	Iron	mg/kg	2.89E+04	4.16E-02		8.31E-03	
204	16	Surface	PAH, Total	mg/kg	1.45E-02	2.08E-08	6.67E-08	4.16E-09	
204	16	Surface	Vanadium	mg/kg	1.22E+02	1.75E-04		3.50E-05	
204	17	Surface	Iron	mg/kg	2.98E+04	4.29E-02		8.56E-03	
204	17	Surface	PAH, Total	mg/kg	5.99E-02	8.62E-08	2.76E-07	1.72E-08	
204	17	Surface	Vanadium	mg/kg	1.22E+02	1.75E-04		3.50E-05	
204	17	Surface	Uranium-238	pCi/g	2.50E+00	2.80E+03		4.40E-01	3.74E+01
204	18	Surface	Iron	mg/kg	3.35E+04	4.82E-02		9.63E-03	
204	18	Surface	PAH, Total	mg/kg	7.04E-03	1.01E-08	3.24E-08	2.02E-09	
204	18	Surface	Uranium	mg/kg	1.09E+02	1.57E-04		3.13E-05	
204	18	Surface	Vanadium	mg/kg	1.51E+02	2.17E-04		4.34E-05	
204	18	Surface	Uranium-238	pCi/g	1.81E+00	2.03E+03		3.19E-01	2.71E+01
204	19	Surface	PAH, Total	mg/kg	1.30E-01	1.87E-07	5.97E-07	3.73E-08	
204	19	Surface	Silver	mg/kg	5.50E+01	7.91E-05		1.58E-05	
204	19	Surface	Uranium	mg/kg	8.50E+01	1.22E-04		2.44E-05	
204	19	Surface	Vanadium	mg/kg	1.06E+02	1.52E-04		3.04E-05	
204	19	Surface	Uranium-238	pCi/g	2.65E+00	2.97E+03		4.67E-01	3.96E+01
204	20	Surface	Chromium	mg/kg	1.75E+02	2.52E-04		5.03E-05	
204	20	Surface	PCB, Total	mg/kg	7.90E+01	1.14E-04	3.91E-04	2.27E-05	
204	20	Surface	Uranium	mg/kg	1.31E+04	1.88E-02		3.75E-03	
204	20	Surface	Vanadium	mg/kg	1.14E+02	1.64E-04		3.27E-05	
204	20	Surface	Americium-241	pCi/g	3.71E+00	4.07E+03		6.40E-01	5.43E+01
204	20	Surface	Cesium-137	pCi/g	1.17E+00	9.88E+02		1.55E-01	1.32E+01
204	20	Surface	Protactinium-231	pCi/g	3.65E+01	4.08E+04		6.42E+00	5.45E+02
204	20	Surface	Uranium-234	pCi/g	4.45E+02	4.98E+05		7.84E+01	6.66E+03
204	20	Surface	Uranium-235	pCi/g	5.70E+01	6.38E+04		1.00E+01	8.53E+02
204	20	Surface	Uranium-238	pCi/g	4.39E+03	4.91E+06		7.73E+02	6.56E+04
204	21	Surface	Cobalt	mg/kg	1.80E+01	2.59E-05		5.17E-06	
204	21	Surface	Vanadium	mg/kg	1.19E+02	1.71E-04		3.42E-05	
211	1	Surface	Antimony	mg/kg	6.52E+01	9.38E-05		1.87E-05	
211	1	Surface	Chromium	mg/kg	4.48E+01	6.44E-05		1.29E-05	
211	1	Surface	Iron	mg/kg	3.05E+04	4.38E-02		8.75E-03	
211	1	Surface	PAH, Total	mg/kg	1.04E-01	1.49E-07	4.78E-07	2.98E-08	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.21. Cancerous CDIs for the Resident (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
211	1	Surface	PCB, Total	mg/kg	3.60E-01	5.18E-07	1.78E-06	1.03E-07	
211	1	Surface	Thallium	mg/kg	3.30E-01	4.75E-07		9.48E-08	
211	1	Surface	Vanadium	mg/kg	1.01E+02	1.45E-04		2.90E-05	
211	1	Surface	Cesium-137	pCi/g	1.67E+00	1.41E+03		2.21E-01	1.88E+01
211	1	Surface	Neptunium-237	pCi/g	5.93E+00	6.64E+03		1.04E+00	8.87E+01
211	1	Surface	Uranium-234	pCi/g	6.69E+01	7.49E+04		1.18E+01	1.00E+03
211	1	Surface	Uranium-238	pCi/g	1.19E+02	1.33E+05		2.10E+01	1.78E+03
224	1	Surface	Antimony	mg/kg	1.08E+02	1.55E-04		3.10E-05	
224	1	Surface	PAH, Total	mg/kg	5.95E-01	8.56E-07	2.74E-06	1.71E-07	
224	1	Surface	Uranium	mg/kg	4.15E+01	5.97E-05		1.19E-05	
224	1	Surface	Uranium-238	pCi/g	1.39E+01	1.56E+04		2.45E+00	2.08E+02
225	1	Surface	Antimony	mg/kg	5.41E+01	7.78E-05		1.55E-05	
225	1	Surface	Chromium	mg/kg	2.55E+01	3.67E-05		7.32E-06	
225	1	Surface	PAH, Total	mg/kg	7.79E-02	1.12E-07	3.58E-07	2.24E-08	
225	1	Surface	Thallium	mg/kg	2.80E-01	4.03E-07		8.04E-08	
225	1	Surface	Vanadium	mg/kg	1.09E+02	1.57E-04		3.13E-05	
225	1	Surface	Uranium-238	pCi/g	2.04E+00	2.28E+03		3.59E-01	3.05E+01

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.22. Noncancerous CDIs for the Adult Recreational User

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	1	Surface	Vanadium	mg/kg	3.23E+01	1.15E-05		2.06E-09
13	10	Surface	Iron	mg/kg	3.80E+04	1.35E-02		2.42E-06
13	10	Surface	Manganese	mg/kg	3.09E+03	1.10E-03		1.97E-07
13	10	Surface	Silver	mg/kg	5.40E+01	1.92E-05		3.45E-09
13	10	Surface	Vanadium	mg/kg	1.30E+02	4.63E-05		8.30E-09
13	11	Surface	Silver	mg/kg	1.03E+02	3.66E-05		6.56E-09
13	11	Surface	Vanadium	mg/kg	1.14E+02	4.04E-05		7.24E-09
13	11	Surface	PCB, Total	mg/kg	1.03E+01	3.68E-06	3.11E-05	6.60E-10
13	12	Surface	Iron	mg/kg	2.30E+04	8.19E-03		1.47E-06
13	12	Surface	Manganese	mg/kg	1.35E+03	4.82E-04		8.64E-08
13	12	Surface	Silver	mg/kg	8.88E+01	3.16E-05		5.67E-09
13	12	Surface	Vanadium	mg/kg	1.16E+02	4.14E-05		7.42E-09
13	13	Surface	Iron	mg/kg	2.89E+04	1.03E-02		1.85E-06
13	13	Surface	Manganese	mg/kg	1.13E+03	4.01E-04		7.19E-08
13	13	Surface	Molybdenum	mg/kg	2.73E+01	9.71E-06		1.74E-09
13	13	Surface	Vanadium	mg/kg	1.19E+02	4.22E-05		7.56E-09
13	14	Surface	Vanadium	mg/kg	1.22E+02	4.36E-05		7.81E-09
13	14	Surface	PAH, Total	mg/kg	3.27E-02	1.16E-08	9.13E-08	2.09E-12
13	14	Surface	PCB, Total	mg/kg	6.46E+00	2.30E-06	1.94E-05	4.12E-10
13	14	Surface	Uranium-238	pCi/g	2.07E+00	7.37E-07		1.32E-10
13	2	Surface	Iron	mg/kg	2.47E+04	8.81E-03		1.58E-06
13	2	Surface	Manganese	mg/kg	1.22E+03	4.36E-04		7.81E-08
13	2	Surface	Vanadium	mg/kg	9.38E+01	3.34E-05		5.99E-09
13	2	Surface	Uranium-238	pCi/g	1.40E+00	4.99E-07		8.94E-11
13	3	Surface	Iron	mg/kg	2.63E+04	9.37E-03		1.68E-06
13	3	Surface	Manganese	mg/kg	1.09E+03	3.90E-04		6.98E-08
13	3	Surface	Molybdenum	mg/kg	2.19E+01	7.80E-06		1.40E-09
13	3	Surface	Vanadium	mg/kg	9.88E+01	3.52E-05		6.31E-09
13	3	Surface	PAH, Total	mg/kg	2.15E-02	7.66E-09	6.00E-08	1.37E-12
13	4	Surface	Iron	mg/kg	2.75E+04	9.79E-03		1.75E-06
13	4	Surface	Vanadium	mg/kg	9.81E+01	3.50E-05		6.26E-09
13	4	Surface	PAH, Total	mg/kg	4.13E-01	1.47E-07	1.15E-06	2.64E-11
13	4	Surface	PCB, Total	mg/kg	1.05E+01	3.75E-06	3.16E-05	6.71E-10
13	4	Surface	Uranium-238	pCi/g	1.78E+00	6.33E-07		1.13E-10
13	5	Surface	Aluminum	mg/kg	9.83E+03	3.50E-03		6.27E-07
13	5	Surface	Chromium	mg/kg	1.38E+01	4.90E-06		8.79E-10
13	5	Surface	Iron	mg/kg	2.42E+04	8.62E-03		1.54E-06
13	5	Surface	Manganese	mg/kg	9.08E+02	3.24E-04		5.80E-08
13	5	Surface	Uranium	mg/kg	7.41E+01	2.64E-05		4.73E-09
13	5	Surface	Vanadium	mg/kg	1.06E+02	3.76E-05		6.73E-09
13	5	Surface	PAH, Total	mg/kg	4.41E-01	1.57E-07	1.23E-06	2.81E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.22. Noncancerous CDIs for the Adult Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	5	Surface	PCB, Total	mg/kg	6.66E+00	2.37E-06	2.00E-05	4.25E-10
13	5	Surface	Neptunium-237	pCi/g	3.88E-01	1.38E-07		2.48E-11
13	5	Surface	Technetium-99	pCi/g	1.07E+02	3.80E-05		6.81E-09
13	5	Surface	Uranium-234	pCi/g	2.57E+01	9.16E-06		1.64E-09
13	5	Surface	Uranium-235	pCi/g	2.95E+00	1.05E-06		1.88E-10
13	5	Surface	Uranium-238	pCi/g	4.60E+01	1.64E-05		2.93E-09
13	6	Surface	Iron	mg/kg	3.09E+04	1.10E-02		1.97E-06
13	6	Surface	Uranium	mg/kg	3.70E+01	1.32E-05		2.36E-09
13	6	Surface	Vanadium	mg/kg	1.20E+02	4.27E-05		7.65E-09
13	6	Surface	PAH, Total	mg/kg	6.51E-01	2.32E-07	1.82E-06	4.16E-11
13	6	Surface	PCB, Total	mg/kg	1.08E+01	3.83E-06	3.24E-05	6.87E-10
13	6	Surface	Neptunium-237	pCi/g	1.25E+00	4.45E-07		7.97E-11
13	6	Surface	Technetium-99	pCi/g	9.50E+01	3.38E-05		6.06E-09
13	6	Surface	Uranium-234	pCi/g	2.04E+01	7.25E-06		1.30E-09
13	6	Surface	Uranium-235	pCi/g	1.40E+00	4.98E-07		8.92E-11
13	6	Surface	Uranium-238	pCi/g	4.17E+01	1.49E-05		2.66E-09
13	7	Surface	Iron	mg/kg	2.78E+04	9.92E-03		1.78E-06
13	7	Surface	Silver	mg/kg	1.85E+02	6.57E-05		1.18E-08
13	7	Surface	Vanadium	mg/kg	1.22E+02	4.33E-05		7.76E-09
13	7	Surface	Uranium-238	pCi/g	1.30E+00	4.63E-07		8.30E-11
13	8	Surface	Iron	mg/kg	2.41E+04	8.59E-03		1.54E-06
13	8	Surface	Manganese	mg/kg	1.12E+03	3.99E-04		7.16E-08
13	8	Surface	Vanadium	mg/kg	9.97E+01	3.55E-05		6.36E-09
13	8	Surface	PAH, Total	mg/kg	1.22E-02	4.35E-09	3.41E-08	7.79E-13
13	9	Surface	Chromium	mg/kg	1.43E+01	5.10E-06		9.15E-10
13	9	Surface	Vanadium	mg/kg	1.17E+02	4.15E-05		7.44E-09
13	9	Surface	PAH, Total	mg/kg	2.65E-02	9.44E-09	7.40E-08	1.69E-12
13	9	Surface	Neptunium-237	pCi/g	6.88E-01	2.45E-07		4.39E-11
13	9	Surface	Uranium-238	pCi/g	4.07E+00	1.45E-06		2.60E-10
15	1	Surface	Antimony	mg/kg	7.49E+01	2.67E-05		4.78E-09
15	1	Surface	Arsenic	mg/kg	1.27E+01	4.51E-06	8.16E-06	8.08E-10
15	1	Surface	Cadmium	mg/kg	1.56E+01	5.56E-06	3.35E-07	9.96E-10
15	1	Surface	Chromium	mg/kg	8.21E+01	2.92E-05		5.24E-09
15	1	Surface	Iron	mg/kg	2.95E+04	1.05E-02		1.88E-06
15	1	Surface	Nickel	mg/kg	1.32E+02	4.69E-05		8.41E-09
15	1	Surface	Thallium	mg/kg	2.40E-01	8.55E-08		1.53E-11
15	1	Surface	Uranium	mg/kg	3.26E+01	1.16E-05		2.08E-09
15	1	Surface	PAH, Total	mg/kg	1.71E+00	6.11E-07	4.79E-06	1.09E-10
15	1	Surface	Uranium-238	pCi/g	1.85E+00	6.59E-07		1.18E-10
15	10	Surface	Antimony	mg/kg	1.25E+02	4.45E-05		7.97E-09
15	10	Surface	Cadmium	mg/kg	1.67E+01	5.95E-06	3.59E-07	1.07E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.22. Noncancerous CDIs for the Adult Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	10	Surface	Chromium	mg/kg	3.55E+01	1.26E-05		2.27E-09
15	10	Surface	Mercury	mg/kg	7.84E+00	2.79E-06		5.00E-10
15	10	Surface	Nickel	mg/kg	2.26E+02	8.06E-05		1.45E-08
15	10	Surface	Uranium	mg/kg	9.02E+01	3.21E-05		5.75E-09
15	10	Surface	PAH, Total	mg/kg	1.28E-01	4.57E-08	3.59E-07	8.20E-12
15	2	Surface	Antimony	mg/kg	9.83E+01	3.50E-05		6.28E-09
15	2	Surface	Arsenic	mg/kg	1.63E+01	5.79E-06	1.05E-05	1.04E-09
15	2	Surface	Chromium	mg/kg	5.90E+01	2.10E-05		3.77E-09
15	2	Surface	Iron	mg/kg	3.89E+04	1.39E-02		2.48E-06
15	2	Surface	Mercury	mg/kg	9.33E+00	3.32E-06		5.96E-10
15	2	Surface	Nickel	mg/kg	1.97E+02	7.03E-05		1.26E-08
15	2	Surface	Uranium	mg/kg	1.32E+02	4.69E-05		8.41E-09
15	2	Surface	PAH, Total	mg/kg	2.11E+00	7.51E-07	5.89E-06	1.35E-10
15	2	Surface	PCB, Total	mg/kg	3.30E-01	1.18E-07	9.93E-07	2.11E-11
15	2	Surface	Uranium-234	pCi/g	6.51E+00	2.32E-06		4.16E-10
15	2	Surface	Uranium-235	pCi/g	3.80E-01	1.35E-07		2.43E-11
15	2	Surface	Uranium-238	pCi/g	1.21E+01	4.31E-06		7.72E-10
15	3	Surface	Antimony	mg/kg	7.10E+01	2.53E-05		4.53E-09
15	3	Surface	Arsenic	mg/kg	2.74E+01	9.76E-06	1.77E-05	1.75E-09
15	3	Surface	Cadmium	mg/kg	1.25E+01	4.46E-06	2.69E-07	7.98E-10
15	3	Surface	Chromium	mg/kg	7.53E+01	2.68E-05		4.81E-09
15	3	Surface	Cobalt	mg/kg	3.41E+01	1.21E-05		2.18E-09
15	3	Surface	Copper	mg/kg	1.60E+03	5.71E-04		1.02E-07
15	3	Surface	Iron	mg/kg	9.20E+04	3.28E-02		5.87E-06
15	3	Surface	Manganese	mg/kg	1.60E+03	5.71E-04		1.02E-07
15	3	Surface	Mercury	mg/kg	1.05E+01	3.73E-06		6.69E-10
15	3	Surface	Nickel	mg/kg	8.38E+02	2.98E-04		5.35E-08
15	3	Surface	Thallium	mg/kg	2.60E-01	9.26E-08		1.66E-11
15	3	Surface	Uranium	mg/kg	2.16E+02	7.69E-05		1.38E-08
15	3	Surface	Vanadium	mg/kg	7.31E+01	2.60E-05		4.66E-09
15	3	Surface	PAH, Total	mg/kg	1.45E+00	5.18E-07	4.06E-06	9.28E-11
15	3	Surface	PCB, Total	mg/kg	6.82E+00	2.43E-06	2.05E-05	4.36E-10
15	3	Surface	Neptunium-237	pCi/g	3.24E+00	1.15E-06		2.06E-10
15	3	Surface	Technetium-99	pCi/g	2.90E+02	1.03E-04		1.85E-08
15	3	Surface	Thorium-230	pCi/g	5.14E+00	1.83E-06		3.28E-10
15	3	Surface	Uranium-234	pCi/g	1.40E+02	4.99E-05		8.94E-09
15	3	Surface	Uranium-235	pCi/g	1.49E+01	5.30E-06		9.50E-10
15	3	Surface	Uranium-238	pCi/g	8.68E+02	3.09E-04		5.54E-08
15	4	Surface	Antimony	mg/kg	7.63E+01	2.72E-05		4.87E-09
15	4	Surface	Arsenic	mg/kg	3.37E+01	1.20E-05	2.17E-05	2.15E-09
15	4	Surface	Cadmium	mg/kg	1.86E+01	6.62E-06	3.99E-07	1.19E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.22. Noncancerous CDIs for the Adult Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	4	Surface	Chromium	mg/kg	9.02E+01	3.21E-05		5.76E-09
15	4	Surface	Copper	mg/kg	5.99E+02	2.13E-04		3.82E-08
15	4	Surface	Iron	mg/kg	6.90E+04	2.46E-02		4.40E-06
15	4	Surface	Manganese	mg/kg	1.29E+03	4.58E-04		8.21E-08
15	4	Surface	Mercury	mg/kg	3.04E+01	1.08E-05		1.94E-09
15	4	Surface	Nickel	mg/kg	1.24E+03	4.42E-04		7.92E-08
15	4	Surface	Thallium	mg/kg	1.85E-01	6.59E-08		1.18E-11
15	4	Surface	Uranium	mg/kg	1.29E+02	4.59E-05		8.23E-09
15	4	Surface	Vanadium	mg/kg	8.43E+01	3.00E-05		5.38E-09
15	4	Surface	PAH, Total	mg/kg	1.75E+00	6.23E-07	4.88E-06	1.12E-10
15	4	Surface	PCB, Total	mg/kg	3.13E+01	1.12E-05	9.42E-05	2.00E-09
15	4	Surface	Neptunium-237	pCi/g	6.60E-01	2.35E-07		4.21E-11
15	4	Surface	Uranium-234	pCi/g	7.93E+00	2.82E-06		5.06E-10
15	4	Surface	Uranium-235	pCi/g	3.64E-01	1.30E-07		2.32E-11
15	4	Surface	Uranium-238	pCi/g	1.35E+01	4.82E-06		8.63E-10
15	5	Surface	Antimony	mg/kg	1.01E+02	3.60E-05		6.46E-09
15	5	Surface	Arsenic	mg/kg	1.28E+01	4.56E-06	8.24E-06	8.16E-10
15	5	Surface	Cadmium	mg/kg	1.46E+01	5.19E-06	3.13E-07	9.31E-10
15	5	Surface	Chromium	mg/kg	8.43E+01	3.00E-05		5.38E-09
15	5	Surface	Copper	mg/kg	5.63E+03	2.01E-03		3.59E-07
15	5	Surface	Nickel	mg/kg	3.53E+02	1.26E-04		2.25E-08
15	5	Surface	Uranium	mg/kg	1.76E+02	6.25E-05		1.12E-08
15	5	Surface	Zinc	mg/kg	1.52E+03	5.43E-04		9.73E-08
15	5	Surface	PAH, Total	mg/kg	5.11E-01	1.82E-07	1.43E-06	3.26E-11
15	5	Surface	PCB, Total	mg/kg	2.51E+01	8.95E-06	7.56E-05	1.60E-09
15	5	Surface	Neptunium-237	pCi/g	6.90E-01	2.46E-07		4.40E-11
15	5	Surface	Uranium-235	pCi/g	4.60E-01	1.64E-07		2.94E-11
15	5	Surface	Uranium-238	pCi/g	1.03E+01	3.67E-06		6.57E-10
15	6	Surface	Antimony	mg/kg	8.85E+01	3.15E-05		5.65E-09
15	6	Surface	Arsenic	mg/kg	1.24E+01	4.43E-06	8.01E-06	7.93E-10
15	6	Surface	Cadmium	mg/kg	1.64E+01	5.82E-06	3.51E-07	1.04E-09
15	6	Surface	Chromium	mg/kg	8.25E+01	2.94E-05		5.27E-09
15	6	Surface	Cobalt	mg/kg	1.62E+01	5.77E-06		1.03E-09
15	6	Surface	Copper	mg/kg	4.23E+02	1.51E-04		2.70E-08
15	6	Surface	Iron	mg/kg	3.29E+04	1.17E-02		2.10E-06
15	6	Surface	Nickel	mg/kg	3.00E+02	1.07E-04		1.92E-08
15	6	Surface	Uranium	mg/kg	6.30E+01	2.24E-05		4.02E-09
15	6	Surface	PAH, Total	mg/kg	1.62E+00	5.78E-07	4.53E-06	1.04E-10
15	6	Surface	PCB, Total	mg/kg	6.17E+00	2.20E-06	1.85E-05	3.94E-10
15	6	Surface	Neptunium-237	pCi/g	6.40E-01	2.28E-07		4.09E-11
15	6	Surface	Uranium-234	pCi/g	8.74E+00	3.11E-06		5.58E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.22. Noncancerous CDIs for the Adult Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	6	Surface	Uranium-235	pCi/g	5.70E-01	2.03E-07		3.64E-11
15	6	Surface	Uranium-238	pCi/g	1.54E+01	5.48E-06		9.83E-10
15	7	Surface	Antimony	mg/kg	1.37E+02	4.89E-05		8.76E-09
15	7	Surface	Arsenic	mg/kg	1.61E+01	5.73E-06	1.04E-05	1.03E-09
15	7	Surface	Cadmium	mg/kg	1.80E+01	6.41E-06	3.86E-07	1.15E-09
15	7	Surface	Chromium	mg/kg	7.97E+01	2.84E-05		5.09E-09
15	7	Surface	Copper	mg/kg	8.29E+02	2.95E-04		5.29E-08
15	7	Surface	Iron	mg/kg	3.42E+04	1.22E-02		2.18E-06
15	7	Surface	Manganese	mg/kg	1.18E+03	4.21E-04		7.55E-08
15	7	Surface	Nickel	mg/kg	5.59E+02	1.99E-04		3.57E-08
15	7	Surface	Thallium	mg/kg	3.00E-01	1.07E-07		1.91E-11
15	7	Surface	Uranium	mg/kg	5.39E+01	1.92E-05		3.44E-09
15	7	Surface	PAH, Total	mg/kg	1.59E-01	5.66E-08	4.44E-07	1.01E-11
15	7	Surface	PCB, Total	mg/kg	2.57E+01	9.14E-06	7.72E-05	1.64E-09
15	7	Surface	Uranium-234	pCi/g	6.49E+00	2.31E-06		4.14E-10
15	7	Surface	Uranium-235	pCi/g	4.50E-01	1.60E-07		2.87E-11
15	7	Surface	Uranium-238	pCi/g	8.05E+00	2.87E-06		5.14E-10
15	8	Surface	Antimony	mg/kg	7.42E+01	2.64E-05		4.74E-09
15	8	Surface	Arsenic	mg/kg	1.17E+01	4.15E-06	7.51E-06	7.44E-10
15	8	Surface	Cadmium	mg/kg	1.68E+01	5.99E-06	3.61E-07	1.07E-09
15	8	Surface	Chromium	mg/kg	7.74E+01	2.76E-05		4.94E-09
15	8	Surface	Iron	mg/kg	2.83E+04	1.01E-02		1.80E-06
15	8	Surface	Mercury	mg/kg	1.01E+01	3.59E-06		6.43E-10
15	8	Surface	Nickel	mg/kg	1.82E+02	6.47E-05		1.16E-08
15	8	Surface	Uranium	mg/kg	4.46E+01	1.59E-05		2.84E-09
15	8	Surface	PAH, Total	mg/kg	3.59E-01	1.28E-07	1.00E-06	2.29E-11
15	8	Surface	PCB, Total	mg/kg	5.01E+00	1.78E-06	1.51E-05	3.20E-10
15	8	Surface	Neptunium-237	pCi/g	3.65E-01	1.30E-07		2.33E-11
15	8	Surface	Uranium-238	pCi/g	6.64E+00	2.36E-06		4.24E-10
15	9	Surface	Antimony	mg/kg	1.12E+02	3.98E-05		7.14E-09
15	9	Surface	Arsenic	mg/kg	1.10E+01	3.93E-06	7.12E-06	7.05E-10
15	9	Surface	Cadmium	mg/kg	1.81E+01	6.45E-06	3.89E-07	1.16E-09
15	9	Surface	Chromium	mg/kg	9.56E+01	3.41E-05		6.10E-09
15	9	Surface	Iron	mg/kg	2.76E+04	9.83E-03		1.76E-06
15	9	Surface	Nickel	mg/kg	1.49E+02	5.30E-05		9.50E-09
15	9	Surface	Uranium	mg/kg	3.07E+01	1.09E-05		1.96E-09
15	9	Surface	Vanadium	mg/kg	7.33E+01	2.61E-05		4.68E-09
15	9	Surface	PAH, Total	mg/kg	2.38E-01	8.49E-08	6.66E-07	1.52E-11
15	9	Surface	PCB, Total	mg/kg	6.31E+00	2.25E-06	1.90E-05	4.03E-10
15	9	Surface	Uranium-238	pCi/g	7.12E+00	2.54E-06		4.54E-10
204	1	Surface	Aluminum	mg/kg	1.18E+04	4.20E-03		7.52E-07

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.22. Noncancerous CDIs for the Adult Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	1	Surface	Chromium	mg/kg	1.42E+01	5.05E-06		9.04E-10
204	1	Surface	Vanadium	mg/kg	1.20E+02	4.27E-05		7.65E-09
204	1	Surface	PAH, Total	mg/kg	4.93E-01	1.76E-07	1.38E-06	3.15E-11
204	1	Surface	Uranium-238	pCi/g	1.27E+00	4.54E-07		8.13E-11
204	10	Surface	Antimony	mg/kg	1.20E+01	4.27E-06		7.66E-10
204	10	Surface	Iron	mg/kg	3.08E+04	1.10E-02		1.97E-06
204	10	Surface	Vanadium	mg/kg	1.19E+02	4.24E-05		7.60E-09
204	10	Surface	PAH, Total	mg/kg	6.42E-02	2.29E-08	1.79E-07	4.10E-12
204	10	Surface	Uranium-238	pCi/g	3.15E+00	1.12E-06		2.01E-10
204	11	Surface	Iron	mg/kg	3.05E+04	1.09E-02		1.95E-06
204	11	Surface	Vanadium	mg/kg	1.43E+02	5.09E-05		9.13E-09
204	11	Surface	PAH, Total	mg/kg	8.95E-02	3.19E-08	2.50E-07	5.71E-12
204	11	Surface	Uranium-238	pCi/g	3.09E+00	1.10E-06		1.97E-10
204	12	Surface	Iron	mg/kg	2.86E+04	1.02E-02		1.83E-06
204	12	Surface	Thallium	mg/kg	2.10E-01	7.48E-08		1.34E-11
204	12	Surface	Vanadium	mg/kg	1.44E+02	5.13E-05		9.19E-09
204	12	Surface	PAH, Total	mg/kg	6.43E-02	2.29E-08	1.80E-07	4.10E-12
204	12	Surface	Uranium-238	pCi/g	3.26E+00	1.16E-06		2.08E-10
204	13	Surface	Chromium	mg/kg	1.70E+01	6.05E-06		1.09E-09
204	13	Surface	Vanadium	mg/kg	1.45E+02	5.16E-05		9.26E-09
204	13	Surface	PAH, Total	mg/kg	5.05E-01	1.80E-07	1.41E-06	3.22E-11
204	13	Surface	Uranium-238	pCi/g	2.98E+00	1.06E-06		1.90E-10
204	14	Surface	Arsenic	mg/kg	1.36E+02	4.84E-05	8.77E-05	8.68E-09
204	14	Surface	Chromium	mg/kg	1.70E+01	6.05E-06		1.09E-09
204	14	Surface	Iron	mg/kg	3.17E+04	1.13E-02		2.02E-06
204	14	Surface	Uranium	mg/kg	1.34E+02	4.77E-05		8.55E-09
204	14	Surface	Vanadium	mg/kg	1.43E+02	5.09E-05		9.13E-09
204	14	Surface	PAH, Total	mg/kg	1.28E-01	4.54E-08	3.56E-07	8.14E-12
204	14	Surface	Uranium-238	pCi/g	4.25E+00	1.51E-06		2.71E-10
204	15	Surface	Iron	mg/kg	2.90E+04	1.03E-02		1.85E-06
204	15	Surface	Vanadium	mg/kg	1.13E+02	4.02E-05		7.21E-09
204	15	Surface	PAH, Total	mg/kg	1.25E-02	4.44E-09	3.48E-08	7.95E-13
204	15	Surface	Cesium-137	pCi/g	6.30E-01	2.24E-07		4.02E-11
204	15	Surface	Uranium-238	pCi/g	5.37E+00	1.91E-06		3.43E-10
204	16	Surface	Iron	mg/kg	2.89E+04	1.03E-02		1.85E-06
204	16	Surface	Vanadium	mg/kg	1.22E+02	4.35E-05		7.79E-09
204	16	Surface	PAH, Total	mg/kg	1.45E-02	5.16E-09	4.05E-08	9.25E-13
204	17	Surface	Iron	mg/kg	2.98E+04	1.06E-02		1.90E-06
204	17	Surface	Vanadium	mg/kg	1.22E+02	4.35E-05		7.79E-09
204	17	Surface	PAH, Total	mg/kg	5.99E-02	2.13E-08	1.67E-07	3.82E-12
204	17	Surface	Uranium-238	pCi/g	2.50E+00	8.90E-07		1.60E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.22. Noncancerous CDIs for the Adult Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	18	Surface	Iron	mg/kg	3.35E+04	1.19E-02		2.14E-06
204	18	Surface	Uranium	mg/kg	1.09E+02	3.88E-05		6.96E-09
204	18	Surface	Vanadium	mg/kg	1.51E+02	5.38E-05		9.64E-09
204	18	Surface	PAH, Total	mg/kg	7.04E-03	2.51E-09	1.97E-08	4.49E-13
204	18	Surface	Uranium-238	pCi/g	1.81E+00	6.45E-07		1.16E-10
204	19	Surface	Silver	mg/kg	5.50E+01	1.96E-05		3.51E-09
204	19	Surface	Uranium	mg/kg	8.50E+01	3.03E-05		5.43E-09
204	19	Surface	Vanadium	mg/kg	1.06E+02	3.78E-05		6.77E-09
204	19	Surface	PAH, Total	mg/kg	1.30E-01	4.62E-08	3.62E-07	8.28E-12
204	19	Surface	Uranium-238	pCi/g	2.65E+00	9.44E-07		1.69E-10
204	2	Surface	Arsenic	mg/kg	4.59E+01	1.64E-05	2.96E-05	2.93E-09
204	2	Surface	Chromium	mg/kg	1.84E+01	6.55E-06		1.17E-09
204	2	Surface	Vanadium	mg/kg	1.20E+02	4.28E-05		7.67E-09
204	2	Surface	PAH, Total	mg/kg	6.20E-02	2.21E-08	1.73E-07	3.96E-12
204	2	Surface	Uranium-238	pCi/g	3.92E+00	1.40E-06		2.50E-10
204	20	Surface	Chromium	mg/kg	1.75E+02	6.23E-05		1.12E-08
204	20	Surface	Uranium	mg/kg	1.31E+04	4.66E-03		8.34E-07
204	20	Surface	Vanadium	mg/kg	1.14E+02	4.06E-05		7.28E-09
204	20	Surface	PCB, Total	mg/kg	7.90E+01	2.81E-05	2.38E-04	5.04E-09
204	20	Surface	Americium-241	pCi/g	3.71E+00	1.32E-06		2.37E-10
204	20	Surface	Cesium-137	pCi/g	1.17E+00	4.17E-07		7.48E-11
204	20	Surface	Protactinium-231	pCi/g	3.65E+01	1.30E-05		2.33E-09
204	20	Surface	Uranium-234	pCi/g	4.45E+02	1.58E-04		2.84E-08
204	20	Surface	Uranium-235	pCi/g	5.70E+01	2.03E-05		3.64E-09
204	20	Surface	Uranium-238	pCi/g	4.39E+03	1.56E-03		2.80E-07
204	21	Surface	Cobalt	mg/kg	1.80E+01	6.41E-06		1.15E-09
204	21	Surface	Vanadium	mg/kg	1.19E+02	4.24E-05		7.60E-09
204	3	Surface	Chromium	mg/kg	1.80E+01	6.41E-06		1.15E-09
204	3	Surface	Silver	mg/kg	5.40E+01	1.92E-05		3.45E-09
204	3	Surface	Vanadium	mg/kg	1.22E+02	4.35E-05		7.79E-09
204	3	Surface	PAH, Total	mg/kg	3.52E-02	1.25E-08	9.83E-08	2.25E-12
204	3	Surface	Uranium-238	pCi/g	2.31E+00	8.23E-07		1.47E-10
204	4	Surface	Iron	mg/kg	2.92E+04	1.04E-02		1.86E-06
204	4	Surface	Molybdenum	mg/kg	4.10E+01	1.46E-05		2.62E-09
204	4	Surface	Silver	mg/kg	5.90E+01	2.10E-05		3.77E-09
204	4	Surface	Vanadium	mg/kg	1.39E+02	4.95E-05		8.87E-09
204	4	Surface	PAH, Total	mg/kg	2.33E-02	8.30E-09	6.51E-08	1.49E-12
204	4	Surface	Uranium-238	pCi/g	1.82E+00	6.48E-07		1.16E-10
204	5	Surface	Arsenic	mg/kg	5.67E+01	2.02E-05	3.66E-05	3.62E-09
204	5	Surface	Chromium	mg/kg	1.61E+01	5.72E-06		1.03E-09
204	5	Surface	Vanadium	mg/kg	1.21E+02	4.32E-05		7.74E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.22. Noncancerous CDIs for the Adult Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	5	Surface	PAH, Total	mg/kg	2.04E-02	7.27E-09	5.70E-08	1.30E-12
204	5	Surface	Uranium-238	pCi/g	5.65E+00	2.01E-06		3.60E-10
204	6	Surface	Vanadium	mg/kg	1.25E+02	4.45E-05		7.98E-09
204	6	Surface	PAH, Total	mg/kg	3.25E-02	1.16E-08	9.08E-08	2.07E-12
204	6	Surface	Uranium-238	pCi/g	3.63E+00	1.29E-06		2.32E-10
204	7	Surface	Iron	mg/kg	2.95E+04	1.05E-02		1.88E-06
204	7	Surface	Manganese	mg/kg	1.94E+03	6.91E-04		1.24E-07
204	7	Surface	Vanadium	mg/kg	1.27E+02	4.52E-05		8.11E-09
204	7	Surface	PAH, Total	mg/kg	9.68E-03	3.45E-09	2.70E-08	6.18E-13
204	7	Surface	Uranium-238	pCi/g	2.04E+00	7.27E-07		1.30E-10
204	8	Surface	Chromium	mg/kg	1.70E+01	6.05E-06		1.09E-09
204	8	Surface	Cobalt	mg/kg	1.40E+01	4.99E-06		8.94E-10
204	8	Surface	Iron	mg/kg	2.94E+04	1.05E-02		1.88E-06
204	8	Surface	Vanadium	mg/kg	1.32E+02	4.70E-05		8.43E-09
204	8	Surface	PAH, Total	mg/kg	7.37E-02	2.62E-08	2.06E-07	4.70E-12
204	8	Surface	Uranium-238	pCi/g	2.01E+00	7.16E-07		1.28E-10
204	9	Surface	Chromium	mg/kg	1.80E+01	6.41E-06		1.15E-09
204	9	Surface	Iron	mg/kg	2.96E+04	1.05E-02		1.89E-06
204	9	Surface	Vanadium	mg/kg	1.37E+02	4.88E-05		8.74E-09
204	9	Surface	PAH, Total	mg/kg	5.01E+00	1.78E-06	1.40E-05	3.20E-10
204	9	Surface	Uranium-238	pCi/g	2.22E+00	7.91E-07		1.42E-10
211	1	Surface	Antimony	mg/kg	6.52E+01	2.32E-05		4.16E-09
211	1	Surface	Chromium	mg/kg	4.48E+01	1.59E-05		2.86E-09
211	1	Surface	Iron	mg/kg	3.05E+04	1.09E-02		1.94E-06
211	1	Surface	Thallium	mg/kg	3.30E-01	1.18E-07		2.11E-11
211	1	Surface	Vanadium	mg/kg	1.01E+02	3.60E-05		6.45E-09
211	1	Surface	PAH, Total	mg/kg	1.04E-01	3.70E-08	2.90E-07	6.63E-12
211	1	Surface	PCB, Total	mg/kg	3.60E-01	1.28E-07	1.08E-06	2.30E-11
211	1	Surface	Cesium-137	pCi/g	1.67E+00	5.95E-07		1.07E-10
211	1	Surface	Neptunium-237	pCi/g	5.93E+00	2.11E-06		3.79E-10
211	1	Surface	Uranium-234	pCi/g	6.69E+01	2.38E-05		4.27E-09
211	1	Surface	Uranium-238	pCi/g	1.19E+02	4.24E-05		7.60E-09
224	1	Surface	Antimony	mg/kg	1.08E+02	3.85E-05		6.90E-09
224	1	Surface	Uranium	mg/kg	4.15E+01	1.48E-05		2.65E-09
224	1	Surface	PAH, Total	mg/kg	5.95E-01	2.12E-07	1.66E-06	3.80E-11
224	1	Surface	Uranium-238	pCi/g	1.39E+01	4.95E-06		8.87E-10
225	1	Surface	Antimony	mg/kg	5.41E+01	1.93E-05		3.45E-09
225	1	Surface	Chromium	mg/kg	2.55E+01	9.08E-06		1.63E-09
225	1	Surface	Thallium	mg/kg	2.80E-01	9.97E-08		1.79E-11
225	1	Surface	Vanadium	mg/kg	1.09E+02	3.88E-05		6.96E-09
225	1	Surface	PAH, Total	mg/kg	7.79E-02	2.77E-08	2.17E-07	4.97E-12

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.22. Noncancerous CDIs for the Adult Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
225	1	Surface	Uranium-238	pCi/g	2.04E+00	7.27E-07		1.30E-10
26	1	Surface	Chromium	mg/kg	1.67E+01	5.96E-06		1.07E-09
26	1	Surface	Iron	mg/kg	2.88E+04	1.03E-02		1.84E-06
26	1	Surface	Uranium	mg/kg	6.28E+02	2.24E-04		4.01E-08
26	1	Surface	Vanadium	mg/kg	1.61E+02	5.73E-05		1.03E-08
26	1	Surface	PAH, Total	mg/kg	1.97E-01	7.02E-08	5.50E-07	1.26E-11
26	1	Surface	PCB, Total	mg/kg	9.40E+00	3.35E-06	2.83E-05	6.00E-10
26	1	Surface	Uranium-234	pCi/g	7.78E+00	2.77E-06		4.97E-10
26	1	Surface	Uranium-235	pCi/g	1.23E+00	4.38E-07		7.86E-11
26	1	Surface	Uranium-238	pCi/g	6.75E+01	2.40E-05		4.31E-09
26	2	Surface	Aluminum	mg/kg	2.61E+04	9.30E-03		1.67E-06
26	2	Surface	Arsenic	mg/kg	4.23E+01	1.51E-05	2.72E-05	2.70E-09
26	2	Surface	Beryllium	mg/kg	1.13E+01	4.01E-06		7.18E-10
26	2	Surface	Chromium	mg/kg	4.12E+01	1.47E-05		2.63E-09
26	2	Surface	Cobalt	mg/kg	6.59E+01	2.35E-05		4.21E-09
26	2	Surface	Iron	mg/kg	5.20E+04	1.85E-02		3.32E-06
26	2	Surface	Nickel	mg/kg	1.03E+02	3.66E-05		6.56E-09
26	2	Surface	Thallium	mg/kg	2.38E+01	8.47E-06		1.52E-09
26	2	Surface	Uranium	mg/kg	7.18E+02	2.56E-04		4.58E-08
26	2	Surface	Vanadium	mg/kg	1.16E+02	4.12E-05		7.38E-09
26	2	Surface	PCB, Total	mg/kg	3.25E+00	1.16E-06	9.78E-06	2.08E-10
26	2	Surface	Cesium-137	pCi/g	9.52E+00	3.39E-06		6.08E-10
26	2	Surface	Neptunium-237	pCi/g	2.15E-01	7.66E-08		1.37E-11
26	2	Surface	Radium-228	pCi/g	1.69E+00	6.02E-07		1.08E-10
26	2	Surface	Thorium-230	pCi/g	3.59E+00	1.28E-06		2.29E-10
26	2	Surface	Uranium-234	pCi/g	1.98E+01	7.04E-06		1.26E-09
26	2	Surface	Uranium-235	pCi/g	2.36E+00	8.41E-07		1.51E-10
26	2	Surface	Uranium-238	pCi/g	5.01E+01	1.78E-05		3.19E-09
26	3	Surface	Arsenic	mg/kg	7.56E+01	2.69E-05	4.87E-05	4.82E-09
26	3	Surface	Chromium	mg/kg	4.56E+01	1.62E-05		2.91E-09
26	3	Surface	Iron	mg/kg	3.46E+04	1.23E-02		2.21E-06
26	3	Surface	Molybdenum	mg/kg	4.07E+01	1.45E-05		2.60E-09
26	3	Surface	Thallium	mg/kg	3.68E+00	1.31E-06		2.35E-10
26	3	Surface	Uranium	mg/kg	2.05E+02	7.29E-05		1.31E-08
26	3	Surface	Vanadium	mg/kg	1.44E+02	5.12E-05		9.18E-09
26	3	Surface	PAH, Total	mg/kg	3.30E-01	1.18E-07	9.22E-07	2.11E-11
26	3	Surface	PCB, Total	mg/kg	8.91E+00	3.17E-06	2.68E-05	5.69E-10
26	3	Surface	Cesium-137	pCi/g	4.51E+00	1.61E-06		2.88E-10
26	3	Surface	Neptunium-237	pCi/g	3.70E-01	1.32E-07		2.36E-11
26	3	Surface	Uranium-234	pCi/g	5.02E+00	1.79E-06		3.20E-10
26	3	Surface	Uranium-235	pCi/g	3.15E-01	1.12E-07		2.01E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.22. Noncancerous CDIs for the Adult Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
26	3	Surface	Uranium-238	pCi/g	7.00E+00	2.49E-06		4.47E-10
26	4	Surface	Aluminum	mg/kg	1.11E+04	3.96E-03		7.10E-07
26	4	Surface	Arsenic	mg/kg	6.01E+01	2.14E-05	3.87E-05	3.84E-09
26	4	Surface	Chromium	mg/kg	1.14E+02	4.07E-05		7.30E-09
26	4	Surface	Iron	mg/kg	2.81E+04	1.00E-02		1.80E-06
26	4	Surface	Mercury	mg/kg	7.33E+01	2.61E-05		4.68E-09
26	4	Surface	Molybdenum	mg/kg	3.49E+01	1.24E-05		2.23E-09
26	4	Surface	Nickel	mg/kg	8.10E+01	2.88E-05		5.17E-09
26	4	Surface	Uranium	mg/kg	1.47E+03	5.24E-04		9.40E-08
26	4	Surface	Vanadium	mg/kg	1.42E+02	5.05E-05		9.06E-09
26	4	Surface	PAH, Total	mg/kg	5.53E+00	1.97E-06	1.54E-05	3.53E-10
26	4	Surface	PCB, Total	mg/kg	7.95E+00	2.83E-06	2.39E-05	5.08E-10
26	4	Surface	Cesium-137	pCi/g	1.02E+00	3.64E-07		6.53E-11
26	4	Surface	Neptunium-237	pCi/g	2.80E+00	9.95E-07		1.78E-10
26	4	Surface	Plutonium-239/240	pCi/g	1.35E+01	4.81E-06		8.62E-10
26	4	Surface	Technetium-99	pCi/g	8.36E+02	2.98E-04		5.33E-08
26	4	Surface	Thorium-230	pCi/g	5.48E+01	1.95E-05		3.50E-09
26	4	Surface	Uranium-234	pCi/g	2.15E+02	7.67E-05		1.37E-08
26	4	Surface	Uranium-235	pCi/g	1.52E+01	5.40E-06		9.67E-10
26	4	Surface	Uranium-238	pCi/g	8.49E+02	3.03E-04		5.42E-08
77	1	Surface	Chromium	mg/kg	8.30E+01	2.96E-05		5.30E-09
77	1	Surface	Iron	mg/kg	5.03E+04	1.79E-02		3.21E-06
77	1	Surface	Uranium	mg/kg	6.66E+02	2.37E-04		4.25E-08
77	1	Surface	Vanadium	mg/kg	1.68E+02	5.98E-05		1.07E-08
77	1	Surface	PAH, Total	mg/kg	7.02E-02	2.50E-08	1.96E-07	4.48E-12
77	1	Surface	PCB, Total	mg/kg	5.00E+00	1.78E-06	1.50E-05	3.19E-10
77	1	Surface	Thorium-230	pCi/g	1.03E+01	3.67E-06		6.57E-10
77	1	Surface	Uranium-238	pCi/g	1.53E+01	5.45E-06		9.77E-10
80	1	Surface	Uranium	mg/kg	9.80E+01	3.49E-05		6.26E-09
80	1	Surface	Dioxins/Furans, Total	mg/kg	8.82E-05	3.14E-11	5.69E-11	5.63E-15
80	1	Surface	PCB, Total	mg/kg	1.20E+02	4.27E-05	3.61E-04	7.66E-09
80	2	Surface	Antimony	mg/kg	5.82E+01	2.07E-05		3.71E-09
80	2	Surface	Chromium	mg/kg	1.65E+02	5.88E-05		1.05E-08
80	2	Surface	Cobalt	mg/kg	1.90E+01	6.77E-06		1.21E-09
80	2	Surface	Iron	mg/kg	3.52E+04	1.25E-02		2.24E-06
80	2	Surface	Uranium	mg/kg	5.72E+03	2.04E-03		3.65E-07
80	2	Surface	Vanadium	mg/kg	1.29E+02	4.59E-05		8.23E-09
80	2	Surface	PAH, Total	mg/kg	7.21E-01	2.57E-07	2.01E-06	4.60E-11
80	2	Surface	PCB, Total	mg/kg	1.26E+01	4.49E-06	3.79E-05	8.04E-10
80	2	Surface	Americium-241	pCi/g	6.40E+00	2.28E-06		4.09E-10
80	2	Surface	Cesium-137	pCi/g	8.40E-01	2.99E-07		5.36E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.22. Noncancerous CDIs for the Adult Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
80	2	Surface	Neptunium-237	pCi/g	5.05E-01	1.80E-07		3.22E-11
80	2	Surface	Uranium-234	pCi/g	2.29E+02	8.16E-05		1.46E-08
80	2	Surface	Uranium-235	pCi/g	3.00E+01	1.07E-05		1.91E-09
80	2	Surface	Uranium-238	pCi/g	1.92E+03	6.84E-04		1.23E-07
80	3	Surface	Chromium	mg/kg	1.81E+01	6.46E-06		1.16E-09
80	3	Surface	Iron	mg/kg	3.05E+04	1.09E-02		1.95E-06
80	3	Surface	Manganese	mg/kg	9.46E+02	3.37E-04		6.04E-08
80	3	Surface	Molybdenum	mg/kg	2.33E+01	8.31E-06		1.49E-09
80	3	Surface	Uranium	mg/kg	7.32E+01	2.61E-05		4.67E-09
80	3	Surface	Vanadium	mg/kg	1.21E+02	4.30E-05		7.70E-09
80	3	Surface	PCB, Total	mg/kg	5.66E+02	2.02E-04	1.70E-03	3.61E-08
80	3	Surface	Uranium-238	pCi/g	1.59E+00	5.66E-07		1.01E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.23. Noncancerous CDIs for the Teen Recreational User

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	1	Surface	Vanadium	mg/kg	3.23E+01	2.88E-05		2.78E-09
13	10	Surface	Iron	mg/kg	3.80E+04	3.39E-02		3.26E-06
13	10	Surface	Manganese	mg/kg	3.09E+03	2.75E-03		2.65E-07
13	10	Surface	Silver	mg/kg	5.40E+01	4.82E-05		4.64E-09
13	10	Surface	Vanadium	mg/kg	1.30E+02	1.16E-04		1.12E-08
13	11	Surface	Silver	mg/kg	1.03E+02	9.17E-05		8.83E-09
13	11	Surface	Vanadium	mg/kg	1.14E+02	1.01E-04		9.75E-09
13	11	Surface	PCB, Total	mg/kg	1.03E+01	9.22E-06	9.68E-05	8.88E-10
13	12	Surface	Iron	mg/kg	2.30E+04	2.05E-02		1.98E-06
13	12	Surface	Manganese	mg/kg	1.35E+03	1.21E-03		1.16E-07
13	12	Surface	Silver	mg/kg	8.88E+01	7.92E-05		7.63E-09
13	12	Surface	Vanadium	mg/kg	1.16E+02	1.04E-04		9.98E-09
13	13	Surface	Iron	mg/kg	2.89E+04	2.58E-02		2.49E-06
13	13	Surface	Manganese	mg/kg	1.13E+03	1.01E-03		9.68E-08
13	13	Surface	Molybdenum	mg/kg	2.73E+01	2.43E-05		2.34E-09
13	13	Surface	Vanadium	mg/kg	1.19E+02	1.06E-04		1.02E-08
13	14	Surface	Vanadium	mg/kg	1.22E+02	1.09E-04		1.05E-08
13	14	Surface	PAH, Total	mg/kg	3.27E-02	2.92E-08	2.84E-07	2.81E-12
13	14	Surface	PCB, Total	mg/kg	6.46E+00	5.76E-06	6.05E-05	5.55E-10
13	14	Surface	Uranium-238	pCi/g	2.07E+00	1.85E-06		1.78E-10
13	2	Surface	Iron	mg/kg	2.47E+04	2.21E-02		2.13E-06
13	2	Surface	Manganese	mg/kg	1.22E+03	1.09E-03		1.05E-07
13	2	Surface	Vanadium	mg/kg	9.38E+01	8.37E-05		8.06E-09
13	2	Surface	Uranium-238	pCi/g	1.40E+00	1.25E-06		1.20E-10
13	3	Surface	Iron	mg/kg	2.63E+04	2.35E-02		2.26E-06
13	3	Surface	Manganese	mg/kg	1.09E+03	9.76E-04		9.40E-08
13	3	Surface	Molybdenum	mg/kg	2.19E+01	1.95E-05		1.88E-09
13	3	Surface	Vanadium	mg/kg	9.88E+01	8.81E-05		8.49E-09
13	3	Surface	PAH, Total	mg/kg	2.15E-02	1.92E-08	1.87E-07	1.85E-12
13	4	Surface	Iron	mg/kg	2.75E+04	2.45E-02		2.36E-06
13	4	Surface	Vanadium	mg/kg	9.81E+01	8.75E-05		8.43E-09
13	4	Surface	PAH, Total	mg/kg	4.13E-01	3.68E-07	3.59E-06	3.55E-11
13	4	Surface	PCB, Total	mg/kg	1.05E+01	9.38E-06	9.85E-05	9.04E-10
13	4	Surface	Uranium-238	pCi/g	1.78E+00	1.59E-06		1.53E-10
13	5	Surface	Aluminum	mg/kg	9.83E+03	8.77E-03		8.45E-07
13	5	Surface	Chromium	mg/kg	1.38E+01	1.23E-05		1.18E-09
13	5	Surface	Iron	mg/kg	2.42E+04	2.16E-02		2.08E-06
13	5	Surface	Manganese	mg/kg	9.08E+02	8.10E-04		7.81E-08
13	5	Surface	Uranium	mg/kg	7.41E+01	6.61E-05		6.37E-09
13	5	Surface	Vanadium	mg/kg	1.06E+02	9.41E-05		9.06E-09
13	5	Surface	PAH, Total	mg/kg	4.41E-01	3.93E-07	3.84E-06	3.79E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.23. Noncancerous CDIs for the Teen Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	5	Surface	PCB, Total	mg/kg	6.66E+00	5.94E-06	6.23E-05	5.72E-10
13	5	Surface	Neptunium-237	pCi/g	3.88E-01	3.46E-07		3.33E-11
13	5	Surface	Technetium-99	pCi/g	1.07E+02	9.52E-05		9.17E-09
13	5	Surface	Uranium-234	pCi/g	2.57E+01	2.29E-05		2.21E-09
13	5	Surface	Uranium-235	pCi/g	2.95E+00	2.63E-06		2.53E-10
13	5	Surface	Uranium-238	pCi/g	4.60E+01	4.10E-05		3.95E-09
13	6	Surface	Iron	mg/kg	3.09E+04	2.75E-02		2.65E-06
13	6	Surface	Uranium	mg/kg	3.70E+01	3.30E-05		3.18E-09
13	6	Surface	Vanadium	mg/kg	1.20E+02	1.07E-04		1.03E-08
13	6	Surface	PAH, Total	mg/kg	6.51E-01	5.81E-07	5.66E-06	5.59E-11
13	6	Surface	PCB, Total	mg/kg	1.08E+01	9.60E-06	1.01E-04	9.25E-10
13	6	Surface	Neptunium-237	pCi/g	1.25E+00	1.11E-06		1.07E-10
13	6	Surface	Technetium-99	pCi/g	9.50E+01	8.47E-05		8.16E-09
13	6	Surface	Uranium-234	pCi/g	2.04E+01	1.82E-05		1.75E-09
13	6	Surface	Uranium-235	pCi/g	1.40E+00	1.25E-06		1.20E-10
13	6	Surface	Uranium-238	pCi/g	4.17E+01	3.72E-05		3.58E-09
13	7	Surface	Iron	mg/kg	2.78E+04	2.48E-02		2.39E-06
13	7	Surface	Silver	mg/kg	1.85E+02	1.65E-04		1.59E-08
13	7	Surface	Vanadium	mg/kg	1.22E+02	1.08E-04		1.04E-08
13	7	Surface	Uranium-238	pCi/g	1.30E+00	1.16E-06		1.12E-10
13	8	Surface	Iron	mg/kg	2.41E+04	2.15E-02		2.07E-06
13	8	Surface	Manganese	mg/kg	1.12E+03	1.00E-03		9.63E-08
13	8	Surface	Vanadium	mg/kg	9.97E+01	8.89E-05		8.57E-09
13	8	Surface	PAH, Total	mg/kg	1.22E-02	1.09E-08	1.06E-07	1.05E-12
13	9	Surface	Chromium	mg/kg	1.43E+01	1.28E-05		1.23E-09
13	9	Surface	Vanadium	mg/kg	1.17E+02	1.04E-04		1.00E-08
13	9	Surface	PAH, Total	mg/kg	2.65E-02	2.36E-08	2.30E-07	2.28E-12
13	9	Surface	Neptunium-237	pCi/g	6.88E-01	6.14E-07		5.91E-11
13	9	Surface	Uranium-238	pCi/g	4.07E+00	3.63E-06		3.50E-10
15	1	Surface	Antimony	mg/kg	7.49E+01	6.68E-05		6.43E-09
15	1	Surface	Arsenic	mg/kg	1.27E+01	1.13E-05	2.54E-05	1.09E-09
15	1	Surface	Cadmium	mg/kg	1.56E+01	1.39E-05	1.04E-06	1.34E-09
15	1	Surface	Chromium	mg/kg	8.21E+01	7.32E-05		7.05E-09
15	1	Surface	Iron	mg/kg	2.95E+04	2.63E-02		2.54E-06
15	1	Surface	Nickel	mg/kg	1.32E+02	1.18E-04		1.13E-08
15	1	Surface	Thallium	mg/kg	2.40E-01	2.14E-07		2.06E-11
15	1	Surface	Uranium	mg/kg	3.26E+01	2.90E-05		2.80E-09
15	1	Surface	PAH, Total	mg/kg	1.71E+00	1.53E-06	1.49E-05	1.47E-10
15	1	Surface	Uranium-238	pCi/g	1.85E+00	1.65E-06		1.59E-10
15	10	Surface	Antimony	mg/kg	1.25E+02	1.11E-04		1.07E-08
15	10	Surface	Cadmium	mg/kg	1.67E+01	1.49E-05	1.12E-06	1.43E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.23. Noncancerous CDIs for the Teen Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	10	Surface	Chromium	mg/kg	3.55E+01	3.17E-05		3.05E-09
15	10	Surface	Mercury	mg/kg	7.84E+00	6.99E-06		6.74E-10
15	10	Surface	Nickel	mg/kg	2.26E+02	2.02E-04		1.95E-08
15	10	Surface	Uranium	mg/kg	9.02E+01	8.04E-05		7.75E-09
15	10	Surface	PAH, Total	mg/kg	1.28E-01	1.15E-07	1.12E-06	1.10E-11
15	2	Surface	Antimony	mg/kg	9.83E+01	8.77E-05		8.45E-09
15	2	Surface	Arsenic	mg/kg	1.63E+01	1.45E-05	3.26E-05	1.40E-09
15	2	Surface	Chromium	mg/kg	5.90E+01	5.26E-05		5.07E-09
15	2	Surface	Iron	mg/kg	3.89E+04	3.47E-02		3.34E-06
15	2	Surface	Mercury	mg/kg	9.33E+00	8.32E-06		8.02E-10
15	2	Surface	Nickel	mg/kg	1.97E+02	1.76E-04		1.69E-08
15	2	Surface	Uranium	mg/kg	1.32E+02	1.17E-04		1.13E-08
15	2	Surface	PAH, Total	mg/kg	2.11E+00	1.88E-06	1.83E-05	1.81E-10
15	2	Surface	PCB, Total	mg/kg	3.30E-01	2.94E-07	3.09E-06	2.84E-11
15	2	Surface	Uranium-234	pCi/g	6.51E+00	5.81E-06		5.59E-10
15	2	Surface	Uranium-235	pCi/g	3.80E-01	3.39E-07		3.27E-11
15	2	Surface	Uranium-238	pCi/g	1.21E+01	1.08E-05		1.04E-09
15	3	Surface	Antimony	mg/kg	7.10E+01	6.33E-05		6.10E-09
15	3	Surface	Arsenic	mg/kg	2.74E+01	2.44E-05	5.50E-05	2.35E-09
15	3	Surface	Cadmium	mg/kg	1.25E+01	1.12E-05	8.37E-07	1.07E-09
15	3	Surface	Chromium	mg/kg	7.53E+01	6.72E-05		6.47E-09
15	3	Surface	Cobalt	mg/kg	3.41E+01	3.04E-05		2.93E-09
15	3	Surface	Copper	mg/kg	1.60E+03	1.43E-03		1.38E-07
15	3	Surface	Iron	mg/kg	9.20E+04	8.21E-02		7.91E-06
15	3	Surface	Manganese	mg/kg	1.60E+03	1.43E-03		1.38E-07
15	3	Surface	Mercury	mg/kg	1.05E+01	9.35E-06		9.00E-10
15	3	Surface	Nickel	mg/kg	8.38E+02	7.47E-04		7.20E-08
15	3	Surface	Thallium	mg/kg	2.60E-01	2.32E-07		2.23E-11
15	3	Surface	Uranium	mg/kg	2.16E+02	1.93E-04		1.86E-08
15	3	Surface	Vanadium	mg/kg	7.31E+01	6.52E-05		6.28E-09
15	3	Surface	PAH, Total	mg/kg	1.45E+00	1.30E-06	1.26E-05	1.25E-10
15	3	Surface	PCB, Total	mg/kg	6.82E+00	6.09E-06	6.39E-05	5.86E-10
15	3	Surface	Neptunium-237	pCi/g	3.24E+00	2.89E-06		2.78E-10
15	3	Surface	Technetium-99	pCi/g	2.90E+02	2.59E-04		2.49E-08
15	3	Surface	Thorium-230	pCi/g	5.14E+00	4.58E-06		4.42E-10
15	3	Surface	Uranium-234	pCi/g	1.40E+02	1.25E-04		1.20E-08
15	3	Surface	Uranium-235	pCi/g	1.49E+01	1.33E-05		1.28E-09
15	3	Surface	Uranium-238	pCi/g	8.68E+02	7.74E-04		7.45E-08
15	4	Surface	Antimony	mg/kg	7.63E+01	6.81E-05		6.56E-09
15	4	Surface	Arsenic	mg/kg	3.37E+01	3.00E-05	6.76E-05	2.89E-09
15	4	Surface	Cadmium	mg/kg	1.86E+01	1.66E-05	1.24E-06	1.60E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.23. Noncancerous CDIs for the Teen Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	4	Surface	Chromium	mg/kg	9.02E+01	8.05E-05		7.75E-09
15	4	Surface	Copper	mg/kg	5.99E+02	5.34E-04		5.15E-08
15	4	Surface	Iron	mg/kg	6.90E+04	6.15E-02		5.92E-06
15	4	Surface	Manganese	mg/kg	1.29E+03	1.15E-03		1.11E-07
15	4	Surface	Mercury	mg/kg	3.04E+01	2.71E-05		2.61E-09
15	4	Surface	Nickel	mg/kg	1.24E+03	1.11E-03		1.07E-07
15	4	Surface	Thallium	mg/kg	1.85E-01	1.65E-07		1.59E-11
15	4	Surface	Uranium	mg/kg	1.29E+02	1.15E-04		1.11E-08
15	4	Surface	Vanadium	mg/kg	8.43E+01	7.52E-05		7.24E-09
15	4	Surface	PAH, Total	mg/kg	1.75E+00	1.56E-06	1.52E-05	1.50E-10
15	4	Surface	PCB, Total	mg/kg	3.13E+01	2.79E-05	2.93E-04	2.69E-09
15	4	Surface	Neptunium-237	pCi/g	6.60E-01	5.89E-07		5.67E-11
15	4	Surface	Uranium-234	pCi/g	7.93E+00	7.07E-06		6.81E-10
15	4	Surface	Uranium-235	pCi/g	3.64E-01	3.25E-07		3.13E-11
15	4	Surface	Uranium-238	pCi/g	1.35E+01	1.21E-05		1.16E-09
15	5	Surface	Antimony	mg/kg	1.01E+02	9.03E-05		8.70E-09
15	5	Surface	Arsenic	mg/kg	1.28E+01	1.14E-05	2.57E-05	1.10E-09
15	5	Surface	Cadmium	mg/kg	1.46E+01	1.30E-05	9.75E-07	1.25E-09
15	5	Surface	Chromium	mg/kg	8.43E+01	7.52E-05		7.24E-09
15	5	Surface	Copper	mg/kg	5.63E+03	5.02E-03		4.84E-07
15	5	Surface	Nickel	mg/kg	3.53E+02	3.15E-04		3.03E-08
15	5	Surface	Uranium	mg/kg	1.76E+02	1.57E-04		1.51E-08
15	5	Surface	Zinc	mg/kg	1.52E+03	1.36E-03		1.31E-07
15	5	Surface	PAH, Total	mg/kg	5.11E-01	4.55E-07	4.44E-06	4.39E-11
15	5	Surface	PCB, Total	mg/kg	2.51E+01	2.24E-05	2.35E-04	2.16E-09
15	5	Surface	Neptunium-237	pCi/g	6.90E-01	6.15E-07		5.93E-11
15	5	Surface	Uranium-235	pCi/g	4.60E-01	4.10E-07		3.95E-11
15	5	Surface	Uranium-238	pCi/g	1.03E+01	9.19E-06		8.85E-10
15	6	Surface	Antimony	mg/kg	8.85E+01	7.89E-05		7.60E-09
15	6	Surface	Arsenic	mg/kg	1.24E+01	1.11E-05	2.49E-05	1.07E-09
15	6	Surface	Cadmium	mg/kg	1.64E+01	1.46E-05	1.09E-06	1.40E-09
15	6	Surface	Chromium	mg/kg	8.25E+01	7.36E-05		7.09E-09
15	6	Surface	Cobalt	mg/kg	1.62E+01	1.45E-05		1.39E-09
15	6	Surface	Copper	mg/kg	4.23E+02	3.77E-04		3.63E-08
15	6	Surface	Iron	mg/kg	3.29E+04	2.93E-02		2.82E-06
15	6	Surface	Nickel	mg/kg	3.00E+02	2.68E-04		2.58E-08
15	6	Surface	Uranium	mg/kg	6.30E+01	5.62E-05		5.41E-09
15	6	Surface	PAH, Total	mg/kg	1.62E+00	1.45E-06	1.41E-05	1.39E-10
15	6	Surface	PCB, Total	mg/kg	6.17E+00	5.50E-06	5.77E-05	5.30E-10
15	6	Surface	Neptunium-237	pCi/g	6.40E-01	5.71E-07		5.50E-11
15	6	Surface	Uranium-234	pCi/g	8.74E+00	7.80E-06		7.51E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.23. Noncancerous CDIs for the Teen Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	6	Surface	Uranium-235	pCi/g	5.70E-01	5.08E-07		4.90E-11
15	6	Surface	Uranium-238	pCi/g	1.54E+01	1.37E-05		1.32E-09
15	7	Surface	Antimony	mg/kg	1.37E+02	1.22E-04		1.18E-08
15	7	Surface	Arsenic	mg/kg	1.61E+01	1.43E-05	3.23E-05	1.38E-09
15	7	Surface	Cadmium	mg/kg	1.80E+01	1.60E-05	1.20E-06	1.55E-09
15	7	Surface	Chromium	mg/kg	7.97E+01	7.11E-05		6.85E-09
15	7	Surface	Copper	mg/kg	8.29E+02	7.39E-04		7.12E-08
15	7	Surface	Iron	mg/kg	3.42E+04	3.05E-02		2.94E-06
15	7	Surface	Manganese	mg/kg	1.18E+03	1.06E-03		1.02E-07
15	7	Surface	Nickel	mg/kg	5.59E+02	4.98E-04		4.80E-08
15	7	Surface	Thallium	mg/kg	3.00E-01	2.68E-07		2.58E-11
15	7	Surface	Uranium	mg/kg	5.39E+01	4.81E-05		4.63E-09
15	7	Surface	PAH, Total	mg/kg	1.59E-01	1.42E-07	1.38E-06	1.36E-11
15	7	Surface	PCB, Total	mg/kg	2.57E+01	2.29E-05	2.40E-04	2.21E-09
15	7	Surface	Uranium-234	pCi/g	6.49E+00	5.79E-06		5.58E-10
15	7	Surface	Uranium-235	pCi/g	4.50E-01	4.01E-07		3.87E-11
15	7	Surface	Uranium-238	pCi/g	8.05E+00	7.18E-06		6.92E-10
15	8	Surface	Antimony	mg/kg	7.42E+01	6.62E-05		6.37E-09
15	8	Surface	Arsenic	mg/kg	1.17E+01	1.04E-05	2.34E-05	1.00E-09
15	8	Surface	Cadmium	mg/kg	1.68E+01	1.50E-05	1.13E-06	1.45E-09
15	8	Surface	Chromium	mg/kg	7.74E+01	6.90E-05		6.65E-09
15	8	Surface	Iron	mg/kg	2.83E+04	2.52E-02		2.43E-06
15	8	Surface	Mercury	mg/kg	1.01E+01	8.98E-06		8.65E-10
15	8	Surface	Nickel	mg/kg	1.82E+02	1.62E-04		1.56E-08
15	8	Surface	Uranium	mg/kg	4.46E+01	3.97E-05		3.83E-09
15	8	Surface	PAH, Total	mg/kg	3.59E-01	3.20E-07	3.12E-06	3.08E-11
15	8	Surface	PCB, Total	mg/kg	5.01E+00	4.47E-06	4.69E-05	4.30E-10
15	8	Surface	Neptunium-237	pCi/g	3.65E-01	3.26E-07		3.14E-11
15	8	Surface	Uranium-238	pCi/g	6.64E+00	5.92E-06		5.71E-10
15	9	Surface	Antimony	mg/kg	1.12E+02	9.97E-05		9.61E-09
15	9	Surface	Arsenic	mg/kg	1.10E+01	9.85E-06	2.22E-05	9.49E-10
15	9	Surface	Cadmium	mg/kg	1.81E+01	1.61E-05	1.21E-06	1.56E-09
15	9	Surface	Chromium	mg/kg	9.56E+01	8.53E-05		8.22E-09
15	9	Surface	Iron	mg/kg	2.76E+04	2.46E-02		2.37E-06
15	9	Surface	Nickel	mg/kg	1.49E+02	1.33E-04		1.28E-08
15	9	Surface	Uranium	mg/kg	3.07E+01	2.73E-05		2.63E-09
15	9	Surface	Vanadium	mg/kg	7.33E+01	6.54E-05		6.30E-09
15	9	Surface	PAH, Total	mg/kg	2.38E-01	2.13E-07	2.07E-06	2.05E-11
15	9	Surface	PCB, Total	mg/kg	6.31E+00	5.63E-06	5.91E-05	5.42E-10
15	9	Surface	Uranium-238	pCi/g	7.12E+00	6.35E-06		6.12E-10
204	1	Surface	Aluminum	mg/kg	1.18E+04	1.05E-02		1.01E-06

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.23. Noncancerous CDIs for the Teen Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	1	Surface	Chromium	mg/kg	1.42E+01	1.26E-05		1.22E-09
204	1	Surface	Vanadium	mg/kg	1.20E+02	1.07E-04		1.03E-08
204	1	Surface	PAH, Total	mg/kg	4.93E-01	4.40E-07	4.29E-06	4.24E-11
204	1	Surface	Uranium-238	pCi/g	1.27E+00	1.14E-06		1.09E-10
204	10	Surface	Antimony	mg/kg	1.20E+01	1.07E-05		1.03E-09
204	10	Surface	Iron	mg/kg	3.08E+04	2.75E-02		2.65E-06
204	10	Surface	Vanadium	mg/kg	1.19E+02	1.06E-04		1.02E-08
204	10	Surface	PAH, Total	mg/kg	6.42E-02	5.73E-08	5.58E-07	5.52E-12
204	10	Surface	Uranium-238	pCi/g	3.15E+00	2.81E-06		2.71E-10
204	11	Surface	Iron	mg/kg	3.05E+04	2.72E-02		2.62E-06
204	11	Surface	Vanadium	mg/kg	1.43E+02	1.28E-04		1.23E-08
204	11	Surface	PAH, Total	mg/kg	8.95E-02	7.98E-08	7.78E-07	7.69E-12
204	11	Surface	Uranium-238	pCi/g	3.09E+00	2.76E-06		2.66E-10
204	12	Surface	Iron	mg/kg	2.86E+04	2.55E-02		2.46E-06
204	12	Surface	Thallium	mg/kg	2.10E-01	1.87E-07		1.80E-11
204	12	Surface	Vanadium	mg/kg	1.44E+02	1.28E-04		1.24E-08
204	12	Surface	PAH, Total	mg/kg	6.43E-02	5.74E-08	5.59E-07	5.52E-12
204	12	Surface	Uranium-238	pCi/g	3.26E+00	2.91E-06		2.80E-10
204	13	Surface	Chromium	mg/kg	1.70E+01	1.52E-05		1.46E-09
204	13	Surface	Vanadium	mg/kg	1.45E+02	1.29E-04		1.25E-08
204	13	Surface	PAH, Total	mg/kg	5.05E-01	4.50E-07	4.39E-06	4.34E-11
204	13	Surface	Uranium-238	pCi/g	2.98E+00	2.66E-06		2.56E-10
204	14	Surface	Arsenic	mg/kg	1.36E+02	1.21E-04	2.73E-04	1.17E-08
204	14	Surface	Chromium	mg/kg	1.70E+01	1.52E-05		1.46E-09
204	14	Surface	Iron	mg/kg	3.17E+04	2.83E-02		2.72E-06
204	14	Surface	Uranium	mg/kg	1.34E+02	1.20E-04		1.15E-08
204	14	Surface	Vanadium	mg/kg	1.43E+02	1.28E-04		1.23E-08
204	14	Surface	PAH, Total	mg/kg	1.28E-01	1.14E-07	1.11E-06	1.10E-11
204	14	Surface	Uranium-238	pCi/g	4.25E+00	3.79E-06		3.65E-10
204	15	Surface	Iron	mg/kg	2.90E+04	2.59E-02		2.50E-06
204	15	Surface	Vanadium	mg/kg	1.13E+02	1.01E-04		9.71E-09
204	15	Surface	PAH, Total	mg/kg	1.25E-02	1.11E-08	1.08E-07	1.07E-12
204	15	Surface	Cesium-137	pCi/g	6.30E-01	5.62E-07		5.41E-11
204	15	Surface	Uranium-238	pCi/g	5.37E+00	4.79E-06		4.61E-10
204	16	Surface	Iron	mg/kg	2.89E+04	2.58E-02		2.49E-06
204	16	Surface	Vanadium	mg/kg	1.22E+02	1.09E-04		1.05E-08
204	16	Surface	PAH, Total	mg/kg	1.45E-02	1.29E-08	1.26E-07	1.25E-12
204	17	Surface	Iron	mg/kg	2.98E+04	2.66E-02		2.56E-06
204	17	Surface	Vanadium	mg/kg	1.22E+02	1.09E-04		1.05E-08
204	17	Surface	PAH, Total	mg/kg	5.99E-02	5.34E-08	5.21E-07	5.15E-12
204	17	Surface	Uranium-238	pCi/g	2.50E+00	2.23E-06		2.15E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.23. Noncancerous CDIs for the Teen Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	18	Surface	Iron	mg/kg	3.35E+04	2.99E-02		2.88E-06
204	18	Surface	Uranium	mg/kg	1.09E+02	9.72E-05		9.37E-09
204	18	Surface	Vanadium	mg/kg	1.51E+02	1.35E-04		1.30E-08
204	18	Surface	PAH, Total	mg/kg	7.04E-03	6.28E-09	6.12E-08	6.05E-13
204	18	Surface	Uranium-238	pCi/g	1.81E+00	1.61E-06		1.56E-10
204	19	Surface	Silver	mg/kg	5.50E+01	4.91E-05		4.73E-09
204	19	Surface	Uranium	mg/kg	8.50E+01	7.58E-05		7.30E-09
204	19	Surface	Vanadium	mg/kg	1.06E+02	9.46E-05		9.11E-09
204	19	Surface	PAH, Total	mg/kg	1.30E-01	1.16E-07	1.13E-06	1.11E-11
204	19	Surface	Uranium-238	pCi/g	2.65E+00	2.36E-06		2.28E-10
204	2	Surface	Arsenic	mg/kg	4.59E+01	4.10E-05	9.21E-05	3.94E-09
204	2	Surface	Chromium	mg/kg	1.84E+01	1.64E-05		1.58E-09
204	2	Surface	Vanadium	mg/kg	1.20E+02	1.07E-04		1.03E-08
204	2	Surface	PAH, Total	mg/kg	6.20E-02	5.53E-08	5.39E-07	5.33E-12
204	2	Surface	Uranium-238	pCi/g	3.92E+00	3.50E-06		3.37E-10
204	20	Surface	Chromium	mg/kg	1.75E+02	1.56E-04		1.50E-08
204	20	Surface	Uranium	mg/kg	1.31E+04	1.17E-02		1.12E-06
204	20	Surface	Vanadium	mg/kg	1.14E+02	1.02E-04		9.80E-09
204	20	Surface	PCB, Total	mg/kg	7.90E+01	7.05E-05	7.40E-04	6.79E-09
204	20	Surface	Americium-241	pCi/g	3.71E+00	3.31E-06		3.19E-10
204	20	Surface	Cesium-137	pCi/g	1.17E+00	1.05E-06		1.01E-10
204	20	Surface	Protactinium-231	pCi/g	3.65E+01	3.25E-05		3.13E-09
204	20	Surface	Uranium-234	pCi/g	4.45E+02	3.97E-04		3.82E-08
204	20	Surface	Uranium-235	pCi/g	5.70E+01	5.08E-05		4.90E-09
204	20	Surface	Uranium-238	pCi/g	4.39E+03	3.91E-03		3.77E-07
204	21	Surface	Cobalt	mg/kg	1.80E+01	1.61E-05		1.55E-09
204	21	Surface	Vanadium	mg/kg	1.19E+02	1.06E-04		1.02E-08
204	3	Surface	Chromium	mg/kg	1.80E+01	1.61E-05		1.55E-09
204	3	Surface	Silver	mg/kg	5.40E+01	4.82E-05		4.64E-09
204	3	Surface	Vanadium	mg/kg	1.22E+02	1.09E-04		1.05E-08
204	3	Surface	PAH, Total	mg/kg	3.52E-02	3.14E-08	3.06E-07	3.02E-12
204	3	Surface	Uranium-238	pCi/g	2.31E+00	2.06E-06		1.98E-10
204	4	Surface	Iron	mg/kg	2.92E+04	2.61E-02		2.51E-06
204	4	Surface	Molybdenum	mg/kg	4.10E+01	3.66E-05		3.52E-09
204	4	Surface	Silver	mg/kg	5.90E+01	5.26E-05		5.07E-09
204	4	Surface	Vanadium	mg/kg	1.39E+02	1.24E-04		1.19E-08
204	4	Surface	PAH, Total	mg/kg	2.33E-02	2.08E-08	2.03E-07	2.00E-12
204	4	Surface	Uranium-238	pCi/g	1.82E+00	1.62E-06		1.56E-10
204	5	Surface	Arsenic	mg/kg	5.67E+01	5.06E-05	1.14E-04	4.87E-09
204	5	Surface	Chromium	mg/kg	1.61E+01	1.43E-05		1.38E-09
204	5	Surface	Vanadium	mg/kg	1.21E+02	1.08E-04		1.04E-08

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.23. Noncancerous CDIs for the Teen Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	5	Surface	PAH, Total	mg/kg	2.04E-02	1.82E-08	1.77E-07	1.75E-12
204	5	Surface	Uranium-238	pCi/g	5.65E+00	5.04E-06		4.85E-10
204	6	Surface	Vanadium	mg/kg	1.25E+02	1.12E-04		1.07E-08
204	6	Surface	PAH, Total	mg/kg	3.25E-02	2.90E-08	2.83E-07	2.79E-12
204	6	Surface	Uranium-238	pCi/g	3.63E+00	3.24E-06		3.12E-10
204	7	Surface	Iron	mg/kg	2.95E+04	2.63E-02		2.53E-06
204	7	Surface	Manganese	mg/kg	1.94E+03	1.73E-03		1.67E-07
204	7	Surface	Vanadium	mg/kg	1.27E+02	1.13E-04		1.09E-08
204	7	Surface	PAH, Total	mg/kg	9.68E-03	8.63E-09	8.42E-08	8.32E-13
204	7	Surface	Uranium-238	pCi/g	2.04E+00	1.82E-06		1.75E-10
204	8	Surface	Chromium	mg/kg	1.70E+01	1.52E-05		1.46E-09
204	8	Surface	Cobalt	mg/kg	1.40E+01	1.25E-05		1.20E-09
204	8	Surface	Iron	mg/kg	2.94E+04	2.62E-02		2.53E-06
204	8	Surface	Vanadium	mg/kg	1.32E+02	1.18E-04		1.13E-08
204	8	Surface	PAH, Total	mg/kg	7.37E-02	6.57E-08	6.41E-07	6.33E-12
204	8	Surface	Uranium-238	pCi/g	2.01E+00	1.79E-06		1.73E-10
204	9	Surface	Chromium	mg/kg	1.80E+01	1.61E-05		1.55E-09
204	9	Surface	Iron	mg/kg	2.96E+04	2.64E-02		2.55E-06
204	9	Surface	Vanadium	mg/kg	1.37E+02	1.22E-04		1.18E-08
204	9	Surface	PAH, Total	mg/kg	5.01E+00	4.47E-06	4.36E-05	4.30E-10
204	9	Surface	Uranium-238	pCi/g	2.22E+00	1.98E-06		1.91E-10
211	1	Surface	Antimony	mg/kg	6.52E+01	5.82E-05		5.60E-09
211	1	Surface	Chromium	mg/kg	4.48E+01	3.99E-05		3.85E-09
211	1	Surface	Iron	mg/kg	3.05E+04	2.72E-02		2.62E-06
211	1	Surface	Thallium	mg/kg	3.30E-01	2.94E-07		2.84E-11
211	1	Surface	Vanadium	mg/kg	1.01E+02	9.01E-05		8.68E-09
211	1	Surface	PAH, Total	mg/kg	1.04E-01	9.26E-08	9.03E-07	8.92E-12
211	1	Surface	PCB, Total	mg/kg	3.60E-01	3.21E-07	3.37E-06	3.09E-11
211	1	Surface	Cesium-137	pCi/g	1.67E+00	1.49E-06		1.43E-10
211	1	Surface	Neptunium-237	pCi/g	5.93E+00	5.29E-06		5.10E-10
211	1	Surface	Uranium-234	pCi/g	6.69E+01	5.97E-05		5.75E-09
211	1	Surface	Uranium-238	pCi/g	1.19E+02	1.06E-04		1.02E-08
224	1	Surface	Antimony	mg/kg	1.08E+02	9.64E-05		9.29E-09
224	1	Surface	Uranium	mg/kg	4.15E+01	3.70E-05		3.57E-09
224	1	Surface	PAH, Total	mg/kg	5.95E-01	5.31E-07	5.18E-06	5.12E-11
224	1	Surface	Uranium-238	pCi/g	1.39E+01	1.24E-05		1.19E-09
225	1	Surface	Antimony	mg/kg	5.41E+01	4.83E-05		4.65E-09
225	1	Surface	Chromium	mg/kg	2.55E+01	2.27E-05		2.19E-09
225	1	Surface	Thallium	mg/kg	2.80E-01	2.50E-07		2.41E-11
225	1	Surface	Vanadium	mg/kg	1.09E+02	9.72E-05		9.37E-09
225	1	Surface	PAH, Total	mg/kg	7.79E-02	6.94E-08	6.77E-07	6.69E-12

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.23. Noncancerous CDIs for the Teen Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
225	1	Surface	Uranium-238	pCi/g	2.04E+00	1.82E-06		1.75E-10
26	1	Surface	Chromium	mg/kg	1.67E+01	1.49E-05		1.44E-09
26	1	Surface	Iron	mg/kg	2.88E+04	2.57E-02		2.47E-06
26	1	Surface	Uranium	mg/kg	6.28E+02	5.60E-04		5.40E-08
26	1	Surface	Vanadium	mg/kg	1.61E+02	1.44E-04		1.38E-08
26	1	Surface	PAH, Total	mg/kg	1.97E-01	1.76E-07	1.71E-06	1.69E-11
26	1	Surface	PCB, Total	mg/kg	9.40E+00	8.38E-06	8.80E-05	8.08E-10
26	1	Surface	Uranium-234	pCi/g	7.78E+00	6.94E-06		6.69E-10
26	1	Surface	Uranium-235	pCi/g	1.23E+00	1.10E-06		1.06E-10
26	1	Surface	Uranium-238	pCi/g	6.75E+01	6.02E-05		5.80E-09
26	2	Surface	Aluminum	mg/kg	2.61E+04	2.33E-02		2.24E-06
26	2	Surface	Arsenic	mg/kg	4.23E+01	3.77E-05	8.48E-05	3.63E-09
26	2	Surface	Beryllium	mg/kg	1.13E+01	1.00E-05		9.67E-10
26	2	Surface	Chromium	mg/kg	4.12E+01	3.68E-05		3.54E-09
26	2	Surface	Cobalt	mg/kg	6.59E+01	5.88E-05		5.66E-09
26	2	Surface	Iron	mg/kg	5.20E+04	4.63E-02		4.46E-06
26	2	Surface	Nickel	mg/kg	1.03E+02	9.16E-05		8.82E-09
26	2	Surface	Thallium	mg/kg	2.38E+01	2.12E-05		2.04E-09
26	2	Surface	Uranium	mg/kg	7.18E+02	6.40E-04		6.17E-08
26	2	Surface	Vanadium	mg/kg	1.16E+02	1.03E-04		9.94E-09
26	2	Surface	PCB, Total	mg/kg	3.25E+00	2.90E-06	3.05E-05	2.79E-10
26	2	Surface	Cesium-137	pCi/g	9.52E+00	8.49E-06		8.18E-10
26	2	Surface	Neptunium-237	pCi/g	2.15E-01	1.92E-07		1.85E-11
26	2	Surface	Radium-228	pCi/g	1.69E+00	1.51E-06		1.45E-10
26	2	Surface	Thorium-230	pCi/g	3.59E+00	3.21E-06		3.09E-10
26	2	Surface	Uranium-234	pCi/g	1.98E+01	1.76E-05		1.70E-09
26	2	Surface	Uranium-235	pCi/g	2.36E+00	2.11E-06		2.03E-10
26	2	Surface	Uranium-238	pCi/g	5.01E+01	4.46E-05		4.30E-09
26	3	Surface	Arsenic	mg/kg	7.56E+01	6.74E-05	1.52E-04	6.49E-09
26	3	Surface	Chromium	mg/kg	4.56E+01	4.06E-05		3.91E-09
26	3	Surface	Iron	mg/kg	3.46E+04	3.09E-02		2.97E-06
26	3	Surface	Molybdenum	mg/kg	4.07E+01	3.63E-05		3.50E-09
26	3	Surface	Thallium	mg/kg	3.68E+00	3.28E-06		3.16E-10
26	3	Surface	Uranium	mg/kg	2.05E+02	1.83E-04		1.76E-08
26	3	Surface	Vanadium	mg/kg	1.44E+02	1.28E-04		1.24E-08
26	3	Surface	PAH, Total	mg/kg	3.30E-01	2.94E-07	2.87E-06	2.84E-11
26	3	Surface	PCB, Total	mg/kg	8.91E+00	7.95E-06	8.34E-05	7.65E-10
26	3	Surface	Cesium-137	pCi/g	4.51E+00	4.03E-06		3.88E-10
26	3	Surface	Neptunium-237	pCi/g	3.70E-01	3.30E-07		3.18E-11
26	3	Surface	Uranium-234	pCi/g	5.02E+00	4.48E-06		4.31E-10
26	3	Surface	Uranium-235	pCi/g	3.15E-01	2.81E-07		2.71E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.23. Noncancerous CDIs for the Teen Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
26	3	Surface	Uranium-238	pCi/g	7.00E+00	6.24E-06		6.01E-10
26	4	Surface	Aluminum	mg/kg	1.11E+04	9.92E-03		9.56E-07
26	4	Surface	Arsenic	mg/kg	6.01E+01	5.36E-05	1.21E-04	5.17E-09
26	4	Surface	Chromium	mg/kg	1.14E+02	1.02E-04		9.82E-09
26	4	Surface	Iron	mg/kg	2.81E+04	2.51E-02		2.42E-06
26	4	Surface	Mercury	mg/kg	7.33E+01	6.54E-05		6.30E-09
26	4	Surface	Molybdenum	mg/kg	3.49E+01	3.12E-05		3.00E-09
26	4	Surface	Nickel	mg/kg	8.10E+01	7.22E-05		6.96E-09
26	4	Surface	Uranium	mg/kg	1.47E+03	1.31E-03		1.26E-07
26	4	Surface	Vanadium	mg/kg	1.42E+02	1.27E-04		1.22E-08
26	4	Surface	PAH, Total	mg/kg	5.53E+00	4.93E-06	4.81E-05	4.75E-10
26	4	Surface	PCB, Total	mg/kg	7.95E+00	7.09E-06	7.45E-05	6.83E-10
26	4	Surface	Cesium-137	pCi/g	1.02E+00	9.13E-07		8.79E-11
26	4	Surface	Neptunium-237	pCi/g	2.80E+00	2.49E-06		2.40E-10
26	4	Surface	Plutonium-239/240	pCi/g	1.35E+01	1.21E-05		1.16E-09
26	4	Surface	Technetium-99	pCi/g	8.36E+02	7.45E-04		7.18E-08
26	4	Surface	Thorium-230	pCi/g	5.48E+01	4.88E-05		4.71E-09
26	4	Surface	Uranium-234	pCi/g	215.4	1.92E-04		1.85E-08
26	4	Surface	Uranium-235	pCi/g	15.15	1.35E-05		1.30E-09
26	4	Surface	Uranium-238	pCi/g	849.4	7.58E-04		7.30E-08
77	1	Surface	Chromium	mg/kg	83	7.40E-05		7.13E-09
77	1	Surface	Iron	mg/kg	50329	4.49E-02		4.32E-06
77	1	Surface	Uranium	mg/kg	666	5.94E-04		5.72E-08
77	1	Surface	Vanadium	mg/kg	168	1.50E-04		1.44E-08
77	1	Surface	PAH, Total	mg/kg	0.0702	6.26E-08	6.11E-07	6.03E-12
77	1	Surface	PCB, Total	mg/kg	5	4.46E-06	4.68E-05	4.30E-10
77	1	Surface	Thorium-230	pCi/g	10.3	9.19E-06		8.85E-10
77	1	Surface	Uranium-238	pCi/g	15.3	1.36E-05		1.31E-09
80	1	Surface	Uranium	mg/kg	98	8.74E-05		8.42E-09
80	1	Surface	Dioxins/Furans, Total	mg/kg	8.82E-05	7.87E-11	1.77E-10	7.58E-15
80	1	Surface	PCB, Total	mg/kg	120	1.07E-04	1.12E-03	1.03E-08
80	2	Surface	Antimony	mg/kg	58.17	5.19E-05		5.00E-09
80	2	Surface	Chromium	mg/kg	165	1.47E-04		1.42E-08
80	2	Surface	Cobalt	mg/kg	19	1.69E-05		1.63E-09
80	2	Surface	Iron	mg/kg	35157	3.14E-02		3.02E-06
80	2	Surface	Uranium	mg/kg	5724	5.11E-03		4.92E-07
80	2	Surface	Vanadium	mg/kg	129	1.15E-04		1.11E-08
80	2	Surface	PAH, Total	mg/kg	0.72143	6.44E-07	6.27E-06	6.20E-11
80	2	Surface	PCB, Total	mg/kg	12.6	1.12E-05	1.18E-04	1.08E-09
80	2	Surface	Americium-241	pCi/g	6.4	5.71E-06		5.50E-10
80	2	Surface	Cesium-137	pCi/g	0.84	7.49E-07		7.22E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.23. Noncancerous CDIs for the Teen Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
80	2	Surface	Neptunium-237	pCi/g	0.505	4.50E-07		4.34E-11
80	2	Surface	Uranium-234	pCi/g	229	2.04E-04		1.97E-08
80	2	Surface	Uranium-235	pCi/g	30	2.68E-05		2.58E-09
80	2	Surface	Uranium-238	pCi/g	1921	1.71E-03		1.65E-07
80	3	Surface	Chromium	mg/kg	18.14	1.62E-05		1.56E-09
80	3	Surface	Iron	mg/kg	30490	2.72E-02		2.62E-06
80	3	Surface	Manganese	mg/kg	9.46E+02	8.44E-04		8.13E-08
80	3	Surface	Molybdenum	mg/kg	2.33E+01	2.08E-05		2.01E-09
80	3	Surface	Uranium	mg/kg	7.32E+01	6.53E-05		6.29E-09
80	3	Surface	Vanadium	mg/kg	1.21E+02	1.08E-04		1.04E-08
80	3	Surface	PCB, Total	mg/kg	5.66E+02	5.05E-04	5.30E-03	4.86E-08
80	3	Surface	Uranium-238	pCi/g	1.59E+00	1.42E-06		1.37E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.24. Noncancerous CDIs for the Child Recreational User

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	1	Surface	Vanadium	mg/kg	3.23E+01	1.65E-04		2.78E-09
13	10	Surface	Iron	mg/kg	3.80E+04	1.94E-01		3.26E-06
13	10	Surface	Manganese	mg/kg	3.09E+03	1.58E-02		2.65E-07
13	10	Surface	Silver	mg/kg	5.40E+01	2.76E-04		4.64E-09
13	10	Surface	Vanadium	mg/kg	1.30E+02	6.65E-04		1.12E-08
13	11	Surface	Silver	mg/kg	1.03E+02	5.26E-04		8.83E-09
13	11	Surface	Vanadium	mg/kg	1.14E+02	5.80E-04		9.75E-09
13	11	Surface	PCB, Total	mg/kg	1.03E+01	5.29E-05	9.96E-05	8.88E-10
13	12	Surface	Iron	mg/kg	2.30E+04	1.18E-01		1.98E-06
13	12	Surface	Manganese	mg/kg	1.35E+03	6.92E-03		1.16E-07
13	12	Surface	Silver	mg/kg	8.88E+01	4.54E-04		7.63E-09
13	12	Surface	Vanadium	mg/kg	1.16E+02	5.94E-04		9.98E-09
13	13	Surface	Iron	mg/kg	2.89E+04	1.48E-01		2.49E-06
13	13	Surface	Manganese	mg/kg	1.13E+03	5.76E-03		9.68E-08
13	13	Surface	Molybdenum	mg/kg	2.73E+01	1.39E-04		2.34E-09
13	13	Surface	Vanadium	mg/kg	1.19E+02	6.06E-04		1.02E-08
13	14	Surface	Vanadium	mg/kg	1.22E+02	6.26E-04		1.05E-08
13	14	Surface	PAH, Total	mg/kg	3.27E-02	1.67E-07	2.92E-07	2.81E-12
13	14	Surface	PCB, Total	mg/kg	6.46E+00	3.30E-05	6.22E-05	5.55E-10
13	14	Surface	Uranium-238	pCi/g	2.07E+00	1.06E-05		1.78E-10
13	2	Surface	Iron	mg/kg	2.47E+04	1.27E-01		2.13E-06
13	2	Surface	Manganese	mg/kg	1.22E+03	6.26E-03		1.05E-07
13	2	Surface	Vanadium	mg/kg	9.38E+01	4.80E-04		8.06E-09
13	2	Surface	Uranium-238	pCi/g	1.40E+00	7.16E-06		1.20E-10
13	3	Surface	Iron	mg/kg	2.63E+04	1.35E-01		2.26E-06
13	3	Surface	Manganese	mg/kg	1.09E+03	5.59E-03		9.40E-08
13	3	Surface	Molybdenum	mg/kg	2.19E+01	1.12E-04		1.88E-09
13	3	Surface	Vanadium	mg/kg	9.88E+01	5.05E-04		8.49E-09
13	3	Surface	PAH, Total	mg/kg	2.15E-02	1.10E-07	1.92E-07	1.85E-12
13	4	Surface	Iron	mg/kg	2.75E+04	1.41E-01		2.36E-06
13	4	Surface	Vanadium	mg/kg	9.81E+01	5.02E-04		8.43E-09
13	4	Surface	PAH, Total	mg/kg	4.13E-01	2.11E-06	3.69E-06	3.55E-11
13	4	Surface	PCB, Total	mg/kg	1.05E+01	5.38E-05	1.01E-04	9.04E-10
13	4	Surface	Uranium-238	pCi/g	1.78E+00	9.09E-06		1.53E-10
13	5	Surface	Aluminum	mg/kg	9.83E+03	5.03E-02		8.45E-07
13	5	Surface	Chromium	mg/kg	1.38E+01	7.04E-05		1.18E-09
13	5	Surface	Iron	mg/kg	2.42E+04	1.24E-01		2.08E-06
13	5	Surface	Manganese	mg/kg	9.08E+02	4.65E-03		7.81E-08
13	5	Surface	Uranium	mg/kg	7.41E+01	3.79E-04		6.37E-09
13	5	Surface	Vanadium	mg/kg	1.06E+02	5.40E-04		9.06E-09
13	5	Surface	PAH, Total	mg/kg	4.41E-01	2.26E-06	3.94E-06	3.79E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.24. Noncancerous CDIs for the Child Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
13	5	Surface	PCB, Total	mg/kg	6.66E+00	3.40E-05	6.41E-05	5.72E-10
13	5	Surface	Neptunium-237	pCi/g	3.88E-01	1.98E-06		3.33E-11
13	5	Surface	Technetium-99	pCi/g	1.07E+02	5.46E-04		9.17E-09
13	5	Surface	Uranium-234	pCi/g	2.57E+01	1.32E-04		2.21E-09
13	5	Surface	Uranium-235	pCi/g	2.95E+00	1.51E-05		2.53E-10
13	5	Surface	Uranium-238	pCi/g	4.60E+01	2.35E-04		3.95E-09
13	6	Surface	Iron	mg/kg	3.09E+04	1.58E-01		2.65E-06
13	6	Surface	Uranium	mg/kg	3.70E+01	1.89E-04		3.18E-09
13	6	Surface	Vanadium	mg/kg	1.20E+02	6.13E-04		1.03E-08
13	6	Surface	PAH, Total	mg/kg	6.51E-01	3.33E-06	5.82E-06	5.59E-11
13	6	Surface	PCB, Total	mg/kg	1.08E+01	5.50E-05	1.04E-04	9.25E-10
13	6	Surface	Neptunium-237	pCi/g	1.25E+00	6.39E-06		1.07E-10
13	6	Surface	Technetium-99	pCi/g	9.50E+01	4.86E-04		8.16E-09
13	6	Surface	Uranium-234	pCi/g	2.04E+01	1.04E-04		1.75E-09
13	6	Surface	Uranium-235	pCi/g	1.40E+00	7.14E-06		1.20E-10
13	6	Surface	Uranium-238	pCi/g	4.17E+01	2.13E-04		3.58E-09
13	7	Surface	Iron	mg/kg	2.78E+04	1.42E-01		2.39E-06
13	7	Surface	Silver	mg/kg	1.85E+02	9.44E-04		1.59E-08
13	7	Surface	Vanadium	mg/kg	1.22E+02	6.22E-04		1.04E-08
13	7	Surface	Uranium-238	pCi/g	1.30E+00	6.65E-06		1.12E-10
13	8	Surface	Iron	mg/kg	2.41E+04	1.23E-01		2.07E-06
13	8	Surface	Manganese	mg/kg	1.12E+03	5.73E-03		9.63E-08
13	8	Surface	Vanadium	mg/kg	9.97E+01	5.10E-04		8.57E-09
13	8	Surface	PAH, Total	mg/kg	1.22E-02	6.24E-08	1.09E-07	1.05E-12
13	9	Surface	Chromium	mg/kg	1.43E+01	7.33E-05		1.23E-09
13	9	Surface	Vanadium	mg/kg	1.17E+02	5.96E-04		1.00E-08
13	9	Surface	PAH, Total	mg/kg	2.65E-02	1.36E-07	2.37E-07	2.28E-12
13	9	Surface	Neptunium-237	pCi/g	6.88E-01	3.52E-06		5.91E-11
13	9	Surface	Uranium-238	pCi/g	4.07E+00	2.08E-05		3.50E-10
15	1	Surface	Antimony	mg/kg	7.49E+01	3.83E-04		6.43E-09
15	1	Surface	Arsenic	mg/kg	1.27E+01	6.47E-05	2.61E-05	1.09E-09
15	1	Surface	Cadmium	mg/kg	1.56E+01	7.98E-05	1.07E-06	1.34E-09
15	1	Surface	Chromium	mg/kg	8.21E+01	4.20E-04		7.05E-09
15	1	Surface	Iron	mg/kg	2.95E+04	1.51E-01		2.54E-06
15	1	Surface	Nickel	mg/kg	1.32E+02	6.74E-04		1.13E-08
15	1	Surface	Thallium	mg/kg	2.40E-01	1.23E-06		2.06E-11
15	1	Surface	Uranium	mg/kg	3.26E+01	1.66E-04		2.80E-09
15	1	Surface	PAH, Total	mg/kg	1.71E+00	8.77E-06	1.53E-05	1.47E-10
15	1	Surface	Uranium-238	pCi/g	1.85E+00	9.46E-06		1.59E-10
15	10	Surface	Antimony	mg/kg	1.25E+02	6.39E-04		1.07E-08
15	10	Surface	Cadmium	mg/kg	1.67E+01	8.54E-05	1.15E-06	1.43E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.24. Noncancerous CDIs for the Child Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	10	Surface	Chromium	mg/kg	3.55E+01	1.82E-04		3.05E-09
15	10	Surface	Mercury	mg/kg	7.84E+00	4.01E-05		6.74E-10
15	10	Surface	Nickel	mg/kg	2.26E+02	1.16E-03		1.95E-08
15	10	Surface	Uranium	mg/kg	9.02E+01	4.61E-04		7.75E-09
15	10	Surface	PAH, Total	mg/kg	1.28E-01	6.57E-07	1.15E-06	1.10E-11
15	2	Surface	Antimony	mg/kg	9.83E+01	5.03E-04		8.45E-09
15	2	Surface	Arsenic	mg/kg	1.63E+01	8.32E-05	3.36E-05	1.40E-09
15	2	Surface	Chromium	mg/kg	5.90E+01	3.02E-04		5.07E-09
15	2	Surface	Iron	mg/kg	3.89E+04	1.99E-01		3.34E-06
15	2	Surface	Mercury	mg/kg	9.33E+00	4.77E-05		8.02E-10
15	2	Surface	Nickel	mg/kg	1.97E+02	1.01E-03		1.69E-08
15	2	Surface	Uranium	mg/kg	1.32E+02	6.74E-04		1.13E-08
15	2	Surface	PAH, Total	mg/kg	2.11E+00	1.08E-05	1.88E-05	1.81E-10
15	2	Surface	PCB, Total	mg/kg	3.30E-01	1.69E-06	3.18E-06	2.84E-11
15	2	Surface	Uranium-234	pCi/g	6.51E+00	3.33E-05		5.59E-10
15	2	Surface	Uranium-235	pCi/g	3.80E-01	1.94E-06		3.27E-11
15	2	Surface	Uranium-238	pCi/g	1.21E+01	6.19E-05		1.04E-09
15	3	Surface	Antimony	mg/kg	7.10E+01	3.63E-04		6.10E-09
15	3	Surface	Arsenic	mg/kg	2.74E+01	1.40E-04	5.65E-05	2.35E-09
15	3	Surface	Cadmium	mg/kg	1.25E+01	6.40E-05	8.61E-07	1.07E-09
15	3	Surface	Chromium	mg/kg	7.53E+01	3.85E-04		6.47E-09
15	3	Surface	Cobalt	mg/kg	3.41E+01	1.74E-04		2.93E-09
15	3	Surface	Copper	mg/kg	1.60E+03	8.20E-03		1.38E-07
15	3	Surface	Iron	mg/kg	9.20E+04	4.71E-01		7.91E-06
15	3	Surface	Manganese	mg/kg	1.60E+03	8.20E-03		1.38E-07
15	3	Surface	Mercury	mg/kg	1.05E+01	5.36E-05		9.00E-10
15	3	Surface	Nickel	mg/kg	8.38E+02	4.28E-03		7.20E-08
15	3	Surface	Thallium	mg/kg	2.60E-01	1.33E-06		2.23E-11
15	3	Surface	Uranium	mg/kg	2.16E+02	1.10E-03		1.86E-08
15	3	Surface	Vanadium	mg/kg	7.31E+01	3.74E-04		6.28E-09
15	3	Surface	PAH, Total	mg/kg	1.45E+00	7.44E-06	1.30E-05	1.25E-10
15	3	Surface	PCB, Total	mg/kg	6.82E+00	3.49E-05	6.57E-05	5.86E-10
15	3	Surface	Neptunium-237	pCi/g	3.24E+00	1.65E-05		2.78E-10
15	3	Surface	Technetium-99	pCi/g	2.90E+02	1.48E-03		2.49E-08
15	3	Surface	Thorium-230	pCi/g	5.14E+00	2.63E-05		4.42E-10
15	3	Surface	Uranium-234	pCi/g	1.40E+02	7.16E-04		1.20E-08
15	3	Surface	Uranium-235	pCi/g	1.49E+01	7.61E-05		1.28E-09
15	3	Surface	Uranium-238	pCi/g	8.68E+02	4.44E-03		7.45E-08
15	4	Surface	Antimony	mg/kg	7.63E+01	3.90E-04		6.56E-09
15	4	Surface	Arsenic	mg/kg	3.37E+01	1.72E-04	6.95E-05	2.89E-09
15	4	Surface	Cadmium	mg/kg	1.86E+01	9.50E-05	1.28E-06	1.60E-09

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.24. Noncancerous CDIs for the Child Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	4	Surface	Chromium	mg/kg	9.02E+01	4.61E-04		7.75E-09
15	4	Surface	Copper	mg/kg	5.99E+02	3.06E-03		5.15E-08
15	4	Surface	Iron	mg/kg	6.90E+04	3.53E-01		5.92E-06
15	4	Surface	Manganese	mg/kg	1.29E+03	6.58E-03		1.11E-07
15	4	Surface	Mercury	mg/kg	3.04E+01	1.55E-04		2.61E-09
15	4	Surface	Nickel	mg/kg	1.24E+03	6.35E-03		1.07E-07
15	4	Surface	Thallium	mg/kg	1.85E-01	9.46E-07		1.59E-11
15	4	Surface	Uranium	mg/kg	1.29E+02	6.60E-04		1.11E-08
15	4	Surface	Vanadium	mg/kg	8.43E+01	4.31E-04		7.24E-09
15	4	Surface	PAH, Total	mg/kg	1.75E+00	8.94E-06	1.56E-05	1.50E-10
15	4	Surface	PCB, Total	mg/kg	3.13E+01	1.60E-04	3.02E-04	2.69E-09
15	4	Surface	Neptunium-237	pCi/g	6.60E-01	3.38E-06		5.67E-11
15	4	Surface	Uranium-234	pCi/g	7.93E+00	4.05E-05		6.81E-10
15	4	Surface	Uranium-235	pCi/g	3.64E-01	1.86E-06		3.13E-11
15	4	Surface	Uranium-238	pCi/g	1.35E+01	6.91E-05		1.16E-09
15	5	Surface	Antimony	mg/kg	1.01E+02	5.18E-04		8.70E-09
15	5	Surface	Arsenic	mg/kg	1.28E+01	6.54E-05	2.64E-05	1.10E-09
15	5	Surface	Cadmium	mg/kg	1.46E+01	7.46E-05	1.00E-06	1.25E-09
15	5	Surface	Chromium	mg/kg	8.43E+01	4.31E-04		7.24E-09
15	5	Surface	Copper	mg/kg	5.63E+03	2.88E-02		4.84E-07
15	5	Surface	Nickel	mg/kg	3.53E+02	1.80E-03		3.03E-08
15	5	Surface	Uranium	mg/kg	1.76E+02	8.98E-04		1.51E-08
15	5	Surface	Zinc	mg/kg	1.52E+03	7.79E-03		1.31E-07
15	5	Surface	PAH, Total	mg/kg	5.11E-01	2.61E-06	4.57E-06	4.39E-11
15	5	Surface	PCB, Total	mg/kg	2.51E+01	1.29E-04	2.42E-04	2.16E-09
15	5	Surface	Neptunium-237	pCi/g	6.90E-01	3.53E-06		5.93E-11
15	5	Surface	Uranium-235	pCi/g	4.60E-01	2.35E-06		3.95E-11
15	5	Surface	Uranium-238	pCi/g	1.03E+01	5.27E-05		8.85E-10
15	6	Surface	Antimony	mg/kg	8.85E+01	4.52E-04		7.60E-09
15	6	Surface	Arsenic	mg/kg	1.24E+01	6.36E-05	2.57E-05	1.07E-09
15	6	Surface	Cadmium	mg/kg	1.64E+01	8.36E-05	1.12E-06	1.40E-09
15	6	Surface	Chromium	mg/kg	8.25E+01	4.22E-04		7.09E-09
15	6	Surface	Cobalt	mg/kg	1.62E+01	8.28E-05		1.39E-09
15	6	Surface	Copper	mg/kg	4.23E+02	2.16E-03		3.63E-08
15	6	Surface	Iron	mg/kg	3.29E+04	1.68E-01		2.82E-06
15	6	Surface	Nickel	mg/kg	3.00E+02	1.54E-03		2.58E-08
15	6	Surface	Uranium	mg/kg	6.30E+01	3.22E-04		5.41E-09
15	6	Surface	PAH, Total	mg/kg	1.62E+00	8.30E-06	1.45E-05	1.39E-10
15	6	Surface	PCB, Total	mg/kg	6.17E+00	3.15E-05	5.94E-05	5.30E-10
15	6	Surface	Neptunium-237	pCi/g	6.40E-01	3.27E-06		5.50E-11
15	6	Surface	Uranium-234	pCi/g	8.74E+00	4.47E-05		7.51E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.24. Noncancerous CDIs for the Child Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
15	6	Surface	Uranium-235	pCi/g	5.70E-01	2.92E-06		4.90E-11
15	6	Surface	Uranium-238	pCi/g	1.54E+01	7.88E-05		1.32E-09
15	7	Surface	Antimony	mg/kg	1.37E+02	7.02E-04		1.18E-08
15	7	Surface	Arsenic	mg/kg	1.61E+01	8.22E-05	3.32E-05	1.38E-09
15	7	Surface	Cadmium	mg/kg	1.80E+01	9.20E-05	1.24E-06	1.55E-09
15	7	Surface	Chromium	mg/kg	7.97E+01	4.07E-04		6.85E-09
15	7	Surface	Copper	mg/kg	8.29E+02	4.24E-03		7.12E-08
15	7	Surface	Iron	mg/kg	3.42E+04	1.75E-01		2.94E-06
15	7	Surface	Manganese	mg/kg	1.18E+03	6.05E-03		1.02E-07
15	7	Surface	Nickel	mg/kg	5.59E+02	2.86E-03		4.80E-08
15	7	Surface	Thallium	mg/kg	3.00E-01	1.53E-06		2.58E-11
15	7	Surface	Uranium	mg/kg	5.39E+01	2.76E-04		4.63E-09
15	7	Surface	PAH, Total	mg/kg	1.59E-01	8.12E-07	1.42E-06	1.36E-11
15	7	Surface	PCB, Total	mg/kg	2.57E+01	1.31E-04	2.47E-04	2.21E-09
15	7	Surface	Uranium-234	pCi/g	6.49E+00	3.32E-05		5.58E-10
15	7	Surface	Uranium-235	pCi/g	4.50E-01	2.30E-06		3.87E-11
15	7	Surface	Uranium-238	pCi/g	8.05E+00	4.12E-05		6.92E-10
15	8	Surface	Antimony	mg/kg	7.42E+01	3.79E-04		6.37E-09
15	8	Surface	Arsenic	mg/kg	1.17E+01	5.96E-05	2.40E-05	1.00E-09
15	8	Surface	Cadmium	mg/kg	1.68E+01	8.60E-05	1.16E-06	1.45E-09
15	8	Surface	Chromium	mg/kg	7.74E+01	3.96E-04		6.65E-09
15	8	Surface	Iron	mg/kg	2.83E+04	1.45E-01		2.43E-06
15	8	Surface	Mercury	mg/kg	1.01E+01	5.15E-05		8.65E-10
15	8	Surface	Nickel	mg/kg	1.82E+02	9.29E-04		1.56E-08
15	8	Surface	Uranium	mg/kg	4.46E+01	2.28E-04		3.83E-09
15	8	Surface	PAH, Total	mg/kg	3.59E-01	1.83E-06	3.21E-06	3.08E-11
15	8	Surface	PCB, Total	mg/kg	5.01E+00	2.56E-05	4.82E-05	4.30E-10
15	8	Surface	Neptunium-237	pCi/g	3.65E-01	1.87E-06		3.14E-11
15	8	Surface	Uranium-238	pCi/g	6.64E+00	3.40E-05		5.71E-10
15	9	Surface	Antimony	mg/kg	1.12E+02	5.72E-04		9.61E-09
15	9	Surface	Arsenic	mg/kg	1.10E+01	5.65E-05	2.28E-05	9.49E-10
15	9	Surface	Cadmium	mg/kg	1.81E+01	9.26E-05	1.25E-06	1.56E-09
15	9	Surface	Chromium	mg/kg	9.56E+01	4.89E-04		8.22E-09
15	9	Surface	Iron	mg/kg	2.76E+04	1.41E-01		2.37E-06
15	9	Surface	Nickel	mg/kg	1.49E+02	7.61E-04		1.28E-08
15	9	Surface	Uranium	mg/kg	3.07E+01	1.57E-04		2.63E-09
15	9	Surface	Vanadium	mg/kg	7.33E+01	3.75E-04		6.30E-09
15	9	Surface	PAH, Total	mg/kg	2.38E-01	1.22E-06	2.13E-06	2.05E-11
15	9	Surface	PCB, Total	mg/kg	6.31E+00	3.23E-05	6.07E-05	5.42E-10
15	9	Surface	Uranium-238	pCi/g	7.12E+00	3.64E-05		6.12E-10
204	1	Surface	Aluminum	mg/kg	1.18E+04	6.03E-02		1.01E-06

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.24. Noncancerous CDIs for the Child Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	1	Surface	Chromium	mg/kg	1.42E+01	7.25E-05		1.22E-09
204	1	Surface	Vanadium	mg/kg	1.20E+02	6.13E-04		1.03E-08
204	1	Surface	PAH, Total	mg/kg	4.93E-01	2.52E-06	4.41E-06	4.24E-11
204	1	Surface	Uranium-238	pCi/g	1.27E+00	6.52E-06		1.09E-10
204	10	Surface	Antimony	mg/kg	1.20E+01	6.14E-05		1.03E-09
204	10	Surface	Iron	mg/kg	3.08E+04	1.58E-01		2.65E-06
204	10	Surface	Vanadium	mg/kg	1.19E+02	6.09E-04		1.02E-08
204	10	Surface	PAH, Total	mg/kg	6.42E-02	3.28E-07	5.74E-07	5.52E-12
204	10	Surface	Uranium-238	pCi/g	3.15E+00	1.61E-05		2.71E-10
204	11	Surface	Iron	mg/kg	3.05E+04	1.56E-01		2.62E-06
204	11	Surface	Vanadium	mg/kg	1.43E+02	7.31E-04		1.23E-08
204	11	Surface	PAH, Total	mg/kg	8.95E-02	4.58E-07	8.00E-07	7.69E-12
204	11	Surface	Uranium-238	pCi/g	3.09E+00	1.58E-05		2.66E-10
204	12	Surface	Iron	mg/kg	2.86E+04	1.46E-01		2.46E-06
204	12	Surface	Thallium	mg/kg	2.10E-01	1.07E-06		1.80E-11
204	12	Surface	Vanadium	mg/kg	1.44E+02	7.36E-04		1.24E-08
204	12	Surface	PAH, Total	mg/kg	6.43E-02	3.29E-07	5.75E-07	5.52E-12
204	12	Surface	Uranium-238	pCi/g	3.26E+00	1.67E-05		2.80E-10
204	13	Surface	Chromium	mg/kg	1.70E+01	8.69E-05		1.46E-09
204	13	Surface	Vanadium	mg/kg	1.45E+02	7.42E-04		1.25E-08
204	13	Surface	PAH, Total	mg/kg	5.05E-01	2.58E-06	4.52E-06	4.34E-11
204	13	Surface	Uranium-238	pCi/g	2.98E+00	1.52E-05		2.56E-10
204	14	Surface	Arsenic	mg/kg	1.36E+02	6.96E-04	2.81E-04	1.17E-08
204	14	Surface	Chromium	mg/kg	1.70E+01	8.69E-05		1.46E-09
204	14	Surface	Iron	mg/kg	3.17E+04	1.62E-01		2.72E-06
204	14	Surface	Uranium	mg/kg	1.34E+02	6.85E-04		1.15E-08
204	14	Surface	Vanadium	mg/kg	1.43E+02	7.31E-04		1.23E-08
204	14	Surface	PAH, Total	mg/kg	1.28E-01	6.53E-07	1.14E-06	1.10E-11
204	14	Surface	Uranium-238	pCi/g	4.25E+00	2.17E-05		3.65E-10
204	15	Surface	Iron	mg/kg	2.90E+04	1.49E-01		2.50E-06
204	15	Surface	Vanadium	mg/kg	1.13E+02	5.78E-04		9.71E-09
204	15	Surface	PAH, Total	mg/kg	1.25E-02	6.37E-08	1.11E-07	1.07E-12
204	15	Surface	Cesium-137	pCi/g	6.30E-01	3.22E-06		5.41E-11
204	15	Surface	Uranium-238	pCi/g	5.37E+00	2.75E-05		4.61E-10
204	16	Surface	Iron	mg/kg	2.89E+04	1.48E-01		2.49E-06
204	16	Surface	Vanadium	mg/kg	1.22E+02	6.24E-04		1.05E-08
204	16	Surface	PAH, Total	mg/kg	1.45E-02	7.41E-08	1.30E-07	1.25E-12
204	17	Surface	Iron	mg/kg	2.98E+04	1.52E-01		2.56E-06
204	17	Surface	Vanadium	mg/kg	1.22E+02	6.24E-04		1.05E-08
204	17	Surface	PAH, Total	mg/kg	5.99E-02	3.06E-07	5.36E-07	5.15E-12
204	17	Surface	Uranium-238	pCi/g	2.50E+00	1.28E-05		2.15E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.24. Noncancerous CDIs for the Child Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	18	Surface	Iron	mg/kg	3.35E+04	1.72E-01		2.88E-06
204	18	Surface	Uranium	mg/kg	1.09E+02	5.57E-04		9.37E-09
204	18	Surface	Vanadium	mg/kg	1.51E+02	7.72E-04		1.30E-08
204	18	Surface	PAH, Total	mg/kg	7.04E-03	3.60E-08	6.30E-08	6.05E-13
204	18	Surface	Uranium-238	pCi/g	1.81E+00	9.26E-06		1.56E-10
204	19	Surface	Silver	mg/kg	5.50E+01	2.81E-04		4.73E-09
204	19	Surface	Uranium	mg/kg	8.50E+01	4.35E-04		7.30E-09
204	19	Surface	Vanadium	mg/kg	1.06E+02	5.42E-04		9.11E-09
204	19	Surface	PAH, Total	mg/kg	1.30E-01	6.63E-07	1.16E-06	1.11E-11
204	19	Surface	Uranium-238	pCi/g	2.65E+00	1.36E-05		2.28E-10
204	2	Surface	Arsenic	mg/kg	4.59E+01	2.35E-04	9.47E-05	3.94E-09
204	2	Surface	Chromium	mg/kg	1.84E+01	9.40E-05		1.58E-09
204	2	Surface	Vanadium	mg/kg	1.20E+02	6.15E-04		1.03E-08
204	2	Surface	PAH, Total	mg/kg	6.20E-02	3.17E-07	5.54E-07	5.33E-12
204	2	Surface	Uranium-238	pCi/g	3.92E+00	2.00E-05		3.37E-10
204	20	Surface	Chromium	mg/kg	1.75E+02	8.95E-04		1.50E-08
204	20	Surface	Uranium	mg/kg	1.31E+04	6.68E-02		1.12E-06
204	20	Surface	Vanadium	mg/kg	1.14E+02	5.83E-04		9.80E-09
204	20	Surface	PCB, Total	mg/kg	7.90E+01	4.04E-04	7.61E-04	6.79E-09
204	20	Surface	Americium-241	pCi/g	3.71E+00	1.90E-05		3.19E-10
204	20	Surface	Cesium-137	pCi/g	1.17E+00	5.99E-06		1.01E-10
204	20	Surface	Protactinium-231	pCi/g	3.65E+01	1.87E-04		3.13E-09
204	20	Surface	Uranium-234	pCi/g	4.45E+02	2.28E-03		3.82E-08
204	20	Surface	Uranium-235	pCi/g	5.70E+01	2.92E-04		4.90E-09
204	20	Surface	Uranium-238	pCi/g	4.39E+03	2.24E-02		3.77E-07
204	21	Surface	Cobalt	mg/kg	1.80E+01	9.21E-05		1.55E-09
204	21	Surface	Vanadium	mg/kg	1.19E+02	6.09E-04		1.02E-08
204	3	Surface	Chromium	mg/kg	1.80E+01	9.21E-05		1.55E-09
204	3	Surface	Silver	mg/kg	5.40E+01	2.76E-04		4.64E-09
204	3	Surface	Vanadium	mg/kg	1.22E+02	6.24E-04		1.05E-08
204	3	Surface	PAH, Total	mg/kg	3.52E-02	1.80E-07	3.15E-07	3.02E-12
204	3	Surface	Uranium-238	pCi/g	2.31E+00	1.18E-05		1.98E-10
204	4	Surface	Iron	mg/kg	2.92E+04	1.49E-01		2.51E-06
204	4	Surface	Molybdenum	mg/kg	4.10E+01	2.10E-04		3.52E-09
204	4	Surface	Silver	mg/kg	5.90E+01	3.02E-04		5.07E-09
204	4	Surface	Vanadium	mg/kg	1.39E+02	7.11E-04		1.19E-08
204	4	Surface	PAH, Total	mg/kg	2.33E-02	1.19E-07	2.08E-07	2.00E-12
204	4	Surface	Uranium-238	pCi/g	1.82E+00	9.31E-06		1.56E-10
204	5	Surface	Arsenic	mg/kg	5.67E+01	2.90E-04	1.17E-04	4.87E-09
204	5	Surface	Chromium	mg/kg	1.61E+01	8.22E-05		1.38E-09
204	5	Surface	Vanadium	mg/kg	1.21E+02	6.20E-04		1.04E-08

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.24. Noncancerous CDIs for the Child Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
204	5	Surface	PAH, Total	mg/kg	2.04E-02	1.04E-07	1.82E-07	1.75E-12
204	5	Surface	Uranium-238	pCi/g	5.65E+00	2.89E-05		4.85E-10
204	6	Surface	Vanadium	mg/kg	1.25E+02	6.39E-04		1.07E-08
204	6	Surface	PAH, Total	mg/kg	3.25E-02	1.66E-07	2.91E-07	2.79E-12
204	6	Surface	Uranium-238	pCi/g	3.63E+00	1.86E-05		3.12E-10
204	7	Surface	Iron	mg/kg	2.95E+04	1.51E-01		2.53E-06
204	7	Surface	Manganese	mg/kg	1.94E+03	9.92E-03		1.67E-07
204	7	Surface	Vanadium	mg/kg	1.27E+02	6.49E-04		1.09E-08
204	7	Surface	PAH, Total	mg/kg	9.68E-03	4.95E-08	8.66E-08	8.32E-13
204	7	Surface	Uranium-238	pCi/g	2.04E+00	1.04E-05		1.75E-10
204	8	Surface	Chromium	mg/kg	1.70E+01	8.69E-05		1.46E-09
204	8	Surface	Cobalt	mg/kg	1.40E+01	7.16E-05		1.20E-09
204	8	Surface	Iron	mg/kg	2.94E+04	1.50E-01		2.53E-06
204	8	Surface	Vanadium	mg/kg	1.32E+02	6.75E-04		1.13E-08
204	8	Surface	PAH, Total	mg/kg	7.37E-02	3.77E-07	6.59E-07	6.33E-12
204	8	Surface	Uranium-238	pCi/g	2.01E+00	1.03E-05		1.73E-10
204	9	Surface	Chromium	mg/kg	1.80E+01	9.21E-05		1.55E-09
204	9	Surface	Iron	mg/kg	2.96E+04	1.51E-01		2.55E-06
204	9	Surface	Vanadium	mg/kg	1.37E+02	7.01E-04		1.18E-08
204	9	Surface	PAH, Total	mg/kg	5.01E+00	2.56E-05	4.48E-05	4.30E-10
204	9	Surface	Uranium-238	pCi/g	2.22E+00	1.14E-05		1.91E-10
211	1	Surface	Antimony	mg/kg	6.52E+01	3.34E-04		5.60E-09
211	1	Surface	Chromium	mg/kg	4.48E+01	2.29E-04		3.85E-09
211	1	Surface	Iron	mg/kg	3.05E+04	1.56E-01		2.62E-06
211	1	Surface	Thallium	mg/kg	3.30E-01	1.69E-06		2.84E-11
211	1	Surface	Vanadium	mg/kg	1.01E+02	5.17E-04		8.68E-09
211	1	Surface	PAH, Total	mg/kg	1.04E-01	5.31E-07	9.28E-07	8.92E-12
211	1	Surface	PCB, Total	mg/kg	3.60E-01	1.84E-06	3.47E-06	3.09E-11
211	1	Surface	Cesium-137	pCi/g	1.67E+00	8.54E-06		1.43E-10
211	1	Surface	Neptunium-237	pCi/g	5.93E+00	3.03E-05		5.10E-10
211	1	Surface	Uranium-234	pCi/g	6.69E+01	3.42E-04		5.75E-09
211	1	Surface	Uranium-238	pCi/g	1.19E+02	6.09E-04		1.02E-08
224	1	Surface	Antimony	mg/kg	1.08E+02	5.53E-04		9.29E-09
224	1	Surface	Uranium	mg/kg	4.15E+01	2.12E-04		3.57E-09
224	1	Surface	PAH, Total	mg/kg	5.95E-01	3.05E-06	5.32E-06	5.12E-11
224	1	Surface	Uranium-238	pCi/g	1.39E+01	7.11E-05		1.19E-09
225	1	Surface	Antimony	mg/kg	5.41E+01	2.77E-04		4.65E-09
225	1	Surface	Chromium	mg/kg	2.55E+01	1.30E-04		2.19E-09
225	1	Surface	Thallium	mg/kg	2.80E-01	1.43E-06		2.41E-11
225	1	Surface	Vanadium	mg/kg	1.09E+02	5.57E-04		9.37E-09
225	1	Surface	PAH, Total	mg/kg	7.79E-02	3.98E-07	6.96E-07	6.69E-12

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.24. Noncancerous CDIs for the Child Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
225	1	Surface	Uranium-238	pCi/g	2.04E+00	1.04E-05		1.75E-10
26	1	Surface	Chromium	mg/kg	1.67E+01	8.55E-05		1.44E-09
26	1	Surface	Iron	mg/kg	2.88E+04	1.47E-01		2.47E-06
26	1	Surface	Uranium	mg/kg	6.28E+02	3.21E-03		5.40E-08
26	1	Surface	Vanadium	mg/kg	1.61E+02	8.23E-04		1.38E-08
26	1	Surface	PAH, Total	mg/kg	1.97E-01	1.01E-06	1.76E-06	1.69E-11
26	1	Surface	PCB, Total	mg/kg	9.40E+00	4.81E-05	9.05E-05	8.08E-10
26	1	Surface	Uranium-234	pCi/g	7.78E+00	3.98E-05		6.69E-10
26	1	Surface	Uranium-235	pCi/g	1.23E+00	6.30E-06		1.06E-10
26	1	Surface	Uranium-238	pCi/g	6.75E+01	3.45E-04		5.80E-09
26	2	Surface	Aluminum	mg/kg	2.61E+04	1.33E-01		2.24E-06
26	2	Surface	Arsenic	mg/kg	4.23E+01	2.16E-04	8.72E-05	3.63E-09
26	2	Surface	Beryllium	mg/kg	1.13E+01	5.75E-05		9.67E-10
26	2	Surface	Chromium	mg/kg	4.12E+01	2.11E-04		3.54E-09
26	2	Surface	Cobalt	mg/kg	6.59E+01	3.37E-04		5.66E-09
26	2	Surface	Iron	mg/kg	5.20E+04	2.66E-01		4.46E-06
26	2	Surface	Nickel	mg/kg	1.03E+02	5.25E-04		8.82E-09
26	2	Surface	Thallium	mg/kg	2.38E+01	1.22E-04		2.04E-09
26	2	Surface	Uranium	mg/kg	7.18E+02	3.67E-03		6.17E-08
26	2	Surface	Vanadium	mg/kg	1.16E+02	5.92E-04		9.94E-09
26	2	Surface	PCB, Total	mg/kg	3.25E+00	1.66E-05	3.13E-05	2.79E-10
26	2	Surface	Cesium-137	pCi/g	9.52E+00	4.87E-05		8.18E-10
26	2	Surface	Neptunium-237	pCi/g	2.15E-01	1.10E-06		1.85E-11
26	2	Surface	Radium-228	pCi/g	1.69E+00	8.64E-06		1.45E-10
26	2	Surface	Thorium-230	pCi/g	3.59E+00	1.84E-05		3.09E-10
26	2	Surface	Uranium-234	pCi/g	1.98E+01	1.01E-04		1.70E-09
26	2	Surface	Uranium-235	pCi/g	2.36E+00	1.21E-05		2.03E-10
26	2	Surface	Uranium-238	pCi/g	5.01E+01	2.56E-04		4.30E-09
26	3	Surface	Arsenic	mg/kg	7.56E+01	3.87E-04	1.56E-04	6.49E-09
26	3	Surface	Chromium	mg/kg	4.56E+01	2.33E-04		3.91E-09
26	3	Surface	Iron	mg/kg	3.46E+04	1.77E-01		2.97E-06
26	3	Surface	Molybdenum	mg/kg	4.07E+01	2.08E-04		3.50E-09
26	3	Surface	Thallium	mg/kg	3.68E+00	1.88E-05		3.16E-10
26	3	Surface	Uranium	mg/kg	2.05E+02	1.05E-03		1.76E-08
26	3	Surface	Vanadium	mg/kg	1.44E+02	7.35E-04		1.24E-08
26	3	Surface	PAH, Total	mg/kg	3.30E-01	1.69E-06	2.95E-06	2.84E-11
26	3	Surface	PCB, Total	mg/kg	8.91E+00	4.56E-05	8.58E-05	7.65E-10
26	3	Surface	Cesium-137	pCi/g	4.51E+00	2.31E-05		3.88E-10
26	3	Surface	Neptunium-237	pCi/g	3.70E-01	1.89E-06		3.18E-11
26	3	Surface	Uranium-234	pCi/g	5.02E+00	2.57E-05		4.31E-10
26	3	Surface	Uranium-235	pCi/g	3.15E-01	1.61E-06		2.71E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.24. Noncancerous CDIs for the Child Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
26	3	Surface	Uranium-238	pCi/g	7.00E+00	3.58E-05		6.01E-10
26	4	Surface	Aluminum	mg/kg	1.11E+04	5.69E-02		9.56E-07
26	4	Surface	Arsenic	mg/kg	6.01E+01	3.07E-04	1.24E-04	5.17E-09
26	4	Surface	Chromium	mg/kg	1.14E+02	5.85E-04		9.82E-09
26	4	Surface	Iron	mg/kg	2.81E+04	1.44E-01		2.42E-06
26	4	Surface	Mercury	mg/kg	7.33E+01	3.75E-04		6.30E-09
26	4	Surface	Molybdenum	mg/kg	3.49E+01	1.79E-04		3.00E-09
26	4	Surface	Nickel	mg/kg	8.10E+01	4.14E-04		6.96E-09
26	4	Surface	Uranium	mg/kg	1.47E+03	7.53E-03		1.26E-07
26	4	Surface	Vanadium	mg/kg	1.42E+02	7.26E-04		1.22E-08
26	4	Surface	PAH, Total	mg/kg	5.53E+00	2.83E-05	4.94E-05	4.75E-10
26	4	Surface	PCB, Total	mg/kg	7.95E+00	4.07E-05	7.66E-05	6.83E-10
26	4	Surface	Cesium-137	pCi/g	1.02E+00	5.23E-06		8.79E-11
26	4	Surface	Neptunium-237	pCi/g	2.80E+00	1.43E-05		2.40E-10
26	4	Surface	Plutonium-239/240	pCi/g	1.35E+01	6.91E-05		1.16E-09
26	4	Surface	Technetium-99	pCi/g	8.36E+02	4.27E-03		7.18E-08
26	4	Surface	Thorium-230	pCi/g	5.48E+01	2.80E-04		4.71E-09
26	4	Surface	Uranium-234	pCi/g	2.15E+02	1.10E-03		1.85E-08
26	4	Surface	Uranium-235	pCi/g	1.52E+01	7.75E-05		1.30E-09
26	4	Surface	Uranium-238	pCi/g	8.49E+02	4.34E-03		7.30E-08
77	1	Surface	Chromium	mg/kg	8.30E+01	4.24E-04		7.13E-09
77	1	Surface	Iron	mg/kg	5.03E+04	2.57E-01		4.32E-06
77	1	Surface	Uranium	mg/kg	6.66E+02	3.41E-03		5.72E-08
77	1	Surface	Vanadium	mg/kg	1.68E+02	8.59E-04		1.44E-08
77	1	Surface	PAH, Total	mg/kg	7.02E-02	3.59E-07	6.28E-07	6.03E-12
77	1	Surface	PCB, Total	mg/kg	5.00E+00	2.56E-05	4.81E-05	4.30E-10
77	1	Surface	Thorium-230	pCi/g	1.03E+01	5.27E-05		8.85E-10
77	1	Surface	Uranium-238	pCi/g	1.53E+01	7.82E-05		1.31E-09
80	1	Surface	Uranium	mg/kg	9.80E+01	5.01E-04		8.42E-09
80	1	Surface	Dioxins/Furans, Total	mg/kg	8.82E-05	4.51E-10	1.82E-10	7.58E-15
80	1	Surface	PCB, Total	mg/kg	1.20E+02	6.14E-04	1.16E-03	1.03E-08
80	2	Surface	Antimony	mg/kg	5.82E+01	2.97E-04		5.00E-09
80	2	Surface	Chromium	mg/kg	1.65E+02	8.44E-04		1.42E-08
80	2	Surface	Cobalt	mg/kg	1.90E+01	9.72E-05		1.63E-09
80	2	Surface	Iron	mg/kg	3.52E+04	1.80E-01		3.02E-06
80	2	Surface	Uranium	mg/kg	5.72E+03	2.93E-02		4.92E-07
80	2	Surface	Vanadium	mg/kg	1.29E+02	6.60E-04		1.11E-08
80	2	Surface	PAH, Total	mg/kg	7.21E-01	3.69E-06	6.45E-06	6.20E-11
80	2	Surface	PCB, Total	mg/kg	1.26E+01	6.44E-05	1.21E-04	1.08E-09
80	2	Surface	Americium-241	pCi/g	6.40E+00	3.27E-05		5.50E-10
80	2	Surface	Cesium-137	pCi/g	8.40E-01	4.30E-06		7.22E-11

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.24. Noncancerous CDIs for the Child Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation
80	2	Surface	Neptunium-237	pCi/g	5.05E-01	2.58E-06		4.34E-11
80	2	Surface	Uranium-234	pCi/g	2.29E+02	1.17E-03		1.97E-08
80	2	Surface	Uranium-235	pCi/g	3.00E+01	1.53E-04		2.58E-09
80	2	Surface	Uranium-238	pCi/g	1.92E+03	9.82E-03		1.65E-07
80	3	Surface	Chromium	mg/kg	1.81E+01	9.28E-05		1.56E-09
80	3	Surface	Iron	mg/kg	3.05E+04	1.56E-01		2.62E-06
80	3	Surface	Manganese	mg/kg	9.46E+02	4.84E-03		8.13E-08
80	3	Surface	Molybdenum	mg/kg	2.33E+01	1.19E-04		2.01E-09
80	3	Surface	Uranium	mg/kg	7.32E+01	3.74E-04		6.29E-09
80	3	Surface	Vanadium	mg/kg	1.21E+02	6.17E-04		1.04E-08
80	3	Surface	PCB, Total	mg/kg	5.66E+02	2.89E-03	5.45E-03	4.86E-08
80	3	Surface	Uranium-238	pCi/g	1.59E+00	8.13E-06		1.37E-10

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.25. Cancerous CDIs for the Recreational User

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
13	1	Surface	Vanadium	mg/kg	3.23E+01	1.92E-05		9.29E-07	
13	10	Surface	Iron	mg/kg	3.80E+04	2.25E-02		1.09E-03	
13	10	Surface	Manganese	mg/kg	3.09E+03	1.83E-03		8.88E-05	
13	10	Surface	Silver	mg/kg	5.40E+01	3.21E-05		1.55E-06	
13	10	Surface	Vanadium	mg/kg	1.30E+02	7.72E-05		3.74E-06	
13	11	Surface	PCB, Total	mg/kg	1.03E+01	6.14E-06	2.37E-05	2.97E-07	
13	11	Surface	Silver	mg/kg	1.03E+02	6.10E-05		2.96E-06	
13	11	Surface	Vanadium	mg/kg	1.14E+02	6.74E-05		3.26E-06	
13	12	Surface	Iron	mg/kg	2.30E+04	1.37E-02		6.62E-04	
13	12	Surface	Manganese	mg/kg	1.35E+03	8.03E-04		3.89E-05	
13	12	Surface	Silver	mg/kg	8.88E+01	5.27E-05		2.55E-06	
13	12	Surface	Vanadium	mg/kg	1.16E+02	6.90E-05		3.34E-06	
13	13	Surface	Iron	mg/kg	2.89E+04	1.72E-02		8.32E-04	
13	13	Surface	Manganese	mg/kg	1.13E+03	6.69E-04		3.24E-05	
13	13	Surface	Molybdenum	mg/kg	2.73E+01	1.62E-05		7.84E-07	
13	13	Surface	Vanadium	mg/kg	1.19E+02	7.03E-05		3.41E-06	
13	14	Surface	PAH, Total	mg/kg	3.27E-02	1.94E-08	6.97E-08	9.40E-10	
13	14	Surface	PCB, Total	mg/kg	6.46E+00	3.83E-06	1.48E-05	1.86E-07	
13	14	Surface	Vanadium	mg/kg	1.22E+02	7.27E-05		3.52E-06	
13	14	Surface	Uranium-238	pCi/g	2.07E+00	8.53E+02		3.65E-02	3.88E+00
13	2	Surface	Iron	mg/kg	2.47E+04	1.47E-02		7.12E-04	
13	2	Surface	Manganese	mg/kg	1.22E+03	7.27E-04		3.52E-05	
13	2	Surface	Vanadium	mg/kg	9.38E+01	5.57E-05		2.70E-06	
13	2	Surface	Uranium-238	pCi/g	1.40E+00	5.77E+02		2.47E-02	2.62E+00
13	3	Surface	Iron	mg/kg	2.63E+04	1.56E-02		7.57E-04	
13	3	Surface	Manganese	mg/kg	1.09E+03	6.49E-04		3.15E-05	
13	3	Surface	Molybdenum	mg/kg	2.19E+01	1.30E-05		6.30E-07	
13	3	Surface	PAH, Total	mg/kg	2.15E-02	1.28E-08	4.58E-08	6.18E-10	
13	3	Surface	Vanadium	mg/kg	9.88E+01	5.86E-05		2.84E-06	
13	4	Surface	Iron	mg/kg	2.75E+04	1.63E-02		7.90E-04	
13	4	Surface	PAH, Total	mg/kg	4.13E-01	2.45E-07	8.81E-07	1.19E-08	
13	4	Surface	PCB, Total	mg/kg	1.05E+01	6.25E-06	2.42E-05	3.03E-07	
13	4	Surface	Vanadium	mg/kg	9.81E+01	5.83E-05		2.82E-06	
13	4	Surface	Uranium-238	pCi/g	1.78E+00	7.33E+02		3.14E-02	3.33E+00
13	5	Surface	Aluminum	mg/kg	9.83E+03	5.84E-03		2.83E-04	
13	5	Surface	Chromium	mg/kg	1.38E+01	8.17E-06		3.96E-07	
13	5	Surface	Iron	mg/kg	2.42E+04	1.44E-02		6.96E-04	
13	5	Surface	Manganese	mg/kg	9.08E+02	5.39E-04		2.61E-05	
13	5	Surface	PAH, Total	mg/kg	4.41E-01	2.62E-07	9.40E-07	1.27E-08	
13	5	Surface	PCB, Total	mg/kg	6.66E+00	3.95E-06	1.53E-05	1.91E-07	
13	5	Surface	Uranium	mg/kg	7.41E+01	4.40E-05		2.13E-06	
13	5	Surface	Vanadium	mg/kg	1.06E+02	6.26E-05		3.03E-06	
13	5	Surface	Neptunium-237	pCi/g	3.88E-01	1.60E+02		6.84E-03	7.26E-01
13	5	Surface	Technetium-99	pCi/g	1.07E+02	4.40E+04		1.88E+00	2.00E+02
13	5	Surface	Uranium-234	pCi/g	2.57E+01	1.06E+04		4.54E-01	4.81E+01

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.25. Cancerous CDIs for the Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
13	5	Surface	Uranium-235	pCi/g	2.95E+00	1.21E+03		5.20E-02	5.52E+00
13	5	Surface	Uranium-238	pCi/g	4.60E+01	1.89E+04		8.10E-01	8.60E+01
13	6	Surface	Iron	mg/kg	3.09E+04	1.83E-02		8.88E-04	
13	6	Surface	PAH, Total	mg/kg	6.51E-01	3.86E-07	1.39E-06	1.87E-08	
13	6	Surface	PCB, Total	mg/kg	1.08E+01	6.39E-06	2.47E-05	3.09E-07	
13	6	Surface	Uranium	mg/kg	3.70E+01	2.20E-05		1.06E-06	
13	6	Surface	Vanadium	mg/kg	1.20E+02	7.12E-05		3.45E-06	
13	6	Surface	Neptunium-237	pCi/g	1.25E+00	5.15E+02		2.20E-02	2.34E+00
13	6	Surface	Technetium-99	pCi/g	9.50E+01	3.91E+04		1.68E+00	1.78E+02
13	6	Surface	Uranium-234	pCi/g	2.04E+01	8.39E+03		3.59E-01	3.81E+01
13	6	Surface	Uranium-235	pCi/g	1.40E+00	5.76E+02		2.46E-02	2.62E+00
13	6	Surface	Uranium-238	pCi/g	4.17E+01	1.72E+04		7.36E-01	7.81E+01
13	7	Surface	Iron	mg/kg	2.78E+04	1.65E-02		8.01E-04	
13	7	Surface	Silver	mg/kg	1.85E+02	1.10E-04		5.31E-06	
13	7	Surface	Vanadium	mg/kg	1.22E+02	7.22E-05		3.50E-06	
13	7	Surface	Uranium-238	pCi/g	1.30E+00	5.36E+02		2.29E-02	2.43E+00
13	8	Surface	Iron	mg/kg	2.41E+04	1.43E-02		6.93E-04	
13	8	Surface	Manganese	mg/kg	1.12E+03	6.65E-04		3.22E-05	
13	8	Surface	PAH, Total	mg/kg	1.22E-02	7.24E-09	2.60E-08	3.51E-10	
13	8	Surface	Vanadium	mg/kg	9.97E+01	5.92E-05		2.87E-06	
13	9	Surface	Chromium	mg/kg	1.43E+01	8.51E-06		4.12E-07	
13	9	Surface	PAH, Total	mg/kg	2.65E-02	1.57E-08	5.65E-08	7.62E-10	
13	9	Surface	Vanadium	mg/kg	1.17E+02	6.92E-05		3.35E-06	
13	9	Surface	Neptunium-237	pCi/g	6.88E-01	2.83E+02		1.21E-02	1.29E+00
13	9	Surface	Uranium-238	pCi/g	4.07E+00	1.68E+03		7.18E-02	7.62E+00
15	1	Surface	Antimony	mg/kg	7.49E+01	4.45E-05		2.15E-06	
15	1	Surface	Arsenic	mg/kg	1.27E+01	7.52E-06	6.23E-06	3.64E-07	
15	1	Surface	Cadmium	mg/kg	1.56E+01	9.27E-06	2.56E-07	4.49E-07	
15	1	Surface	Chromium	mg/kg	8.21E+01	4.87E-05		2.36E-06	
15	1	Surface	Iron	mg/kg	2.95E+04	1.75E-02		8.49E-04	
15	1	Surface	Nickel	mg/kg	1.32E+02	7.82E-05		3.79E-06	
15	1	Surface	PAH, Total	mg/kg	1.71E+00	1.02E-06	3.66E-06	4.93E-08	
15	1	Surface	Thallium	mg/kg	2.40E-01	1.42E-07		6.90E-09	
15	1	Surface	Uranium	mg/kg	3.26E+01	1.93E-05		9.36E-07	
15	1	Surface	Uranium-238	pCi/g	1.85E+00	7.62E+02		3.26E-02	3.46E+00
15	10	Surface	Antimony	mg/kg	1.25E+02	7.42E-05		3.59E-06	
15	10	Surface	Cadmium	mg/kg	1.67E+01	9.91E-06	2.74E-07	4.80E-07	
15	10	Surface	Chromium	mg/kg	3.55E+01	2.11E-05		1.02E-06	
15	10	Surface	Mercury	mg/kg	7.84E+00	4.65E-06		2.25E-07	
15	10	Surface	Nickel	mg/kg	2.26E+02	1.34E-04		6.51E-06	
15	10	Surface	PAH, Total	mg/kg	1.28E-01	7.63E-08	2.74E-07	3.69E-09	
15	10	Surface	Uranium	mg/kg	9.02E+01	5.35E-05		2.59E-06	
15	2	Surface	Antimony	mg/kg	9.83E+01	5.84E-05		2.83E-06	
15	2	Surface	Arsenic	mg/kg	1.63E+01	9.65E-06	8.00E-06	4.68E-07	
15	2	Surface	Chromium	mg/kg	5.90E+01	3.50E-05		1.70E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.25. Cancerous CDIs for the Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	2	Surface	Iron	mg/kg	3.89E+04	2.31E-02		1.12E-03	
15	2	Surface	Mercury	mg/kg	9.33E+00	5.54E-06		2.68E-07	
15	2	Surface	Nickel	mg/kg	1.97E+02	1.17E-04		5.67E-06	
15	2	Surface	PAH, Total	mg/kg	2.11E+00	1.25E-06	4.49E-06	6.06E-08	
15	2	Surface	PCB, Total	mg/kg	3.30E-01	1.96E-07	7.58E-07	9.49E-09	
15	2	Surface	Uranium	mg/kg	1.32E+02	7.82E-05		3.79E-06	
15	2	Surface	Uranium-234	pCi/g	6.51E+00	2.68E+03		1.15E-01	1.22E+01
15	2	Surface	Uranium-235	pCi/g	3.80E-01	1.57E+02		6.70E-03	7.11E-01
15	2	Surface	Uranium-238	pCi/g	1.21E+01	4.99E+03		2.13E-01	2.27E+01
15	3	Surface	Antimony	mg/kg	7.10E+01	4.21E-05		2.04E-06	
15	3	Surface	Arsenic	mg/kg	2.74E+01	1.63E-05	1.35E-05	7.88E-07	
15	3	Surface	Cadmium	mg/kg	1.25E+01	7.43E-06	2.05E-07	3.60E-07	
15	3	Surface	Chromium	mg/kg	7.53E+01	4.47E-05		2.17E-06	
15	3	Surface	Cobalt	mg/kg	3.41E+01	2.02E-05		9.81E-07	
15	3	Surface	Copper	mg/kg	1.60E+03	9.52E-04		4.61E-05	
15	3	Surface	Iron	mg/kg	9.20E+04	5.46E-02		2.65E-03	
15	3	Surface	Manganese	mg/kg	1.60E+03	9.52E-04		4.61E-05	
15	3	Surface	Mercury	mg/kg	1.05E+01	6.22E-06		3.01E-07	
15	3	Surface	Nickel	mg/kg	8.38E+02	4.97E-04		2.41E-05	
15	3	Surface	PAH, Total	mg/kg	1.45E+00	8.63E-07	3.10E-06	4.18E-08	
15	3	Surface	PCB, Total	mg/kg	6.82E+00	4.05E-06	1.57E-05	1.96E-07	
15	3	Surface	Thallium	mg/kg	2.60E-01	1.54E-07		7.48E-09	
15	3	Surface	Uranium	mg/kg	2.16E+02	1.28E-04		6.21E-06	
15	3	Surface	Vanadium	mg/kg	7.31E+01	4.34E-05		2.10E-06	
15	3	Surface	Neptunium-237	pCi/g	3.24E+00	1.33E+03		5.70E-02	6.06E+00
15	3	Surface	Technetium-99	pCi/g	2.90E+02	1.19E+05		5.11E+00	5.43E+02
15	3	Surface	Thorium-230	pCi/g	5.14E+00	2.12E+03		9.06E-02	9.62E+00
15	3	Surface	Uranium-234	pCi/g	1.40E+02	5.77E+04		2.47E+00	2.62E+02
15	3	Surface	Uranium-235	pCi/g	1.49E+01	6.13E+03		2.63E-01	2.79E+01
15	3	Surface	Uranium-238	pCi/g	8.68E+02	3.57E+05		1.53E+01	1.62E+03
15	4	Surface	Antimony	mg/kg	7.63E+01	4.53E-05		2.19E-06	
15	4	Surface	Arsenic	mg/kg	3.37E+01	2.00E-05	1.66E-05	9.69E-07	
15	4	Surface	Cadmium	mg/kg	1.86E+01	1.10E-05	3.05E-07	5.34E-07	
15	4	Surface	Chromium	mg/kg	9.02E+01	5.36E-05		2.59E-06	
15	4	Surface	Copper	mg/kg	5.99E+02	3.56E-04		1.72E-05	
15	4	Surface	Iron	mg/kg	6.90E+04	4.09E-02		1.98E-03	
15	4	Surface	Manganese	mg/kg	1.29E+03	7.64E-04		3.70E-05	
15	4	Surface	Mercury	mg/kg	3.04E+01	1.80E-05		8.73E-07	
15	4	Surface	Nickel	mg/kg	1.24E+03	7.37E-04		3.57E-05	
15	4	Surface	PAH, Total	mg/kg	1.75E+00	1.04E-06	3.73E-06	5.03E-08	
15	4	Surface	PCB, Total	mg/kg	3.13E+01	1.86E-05	7.19E-05	9.00E-07	
15	4	Surface	Thallium	mg/kg	1.85E-01	1.10E-07		5.32E-09	
15	4	Surface	Uranium	mg/kg	1.29E+02	7.66E-05		3.71E-06	
15	4	Surface	Vanadium	mg/kg	8.43E+01	5.00E-05		2.42E-06	
15	4	Surface	Neptunium-237	pCi/g	6.60E-01	2.72E+02		1.16E-02	1.24E+00

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.25. Cancerous CDIs for the Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	4	Surface	Uranium-234	pCi/g	7.93E+00	3.27E+03		1.40E-01	1.48E+01
15	4	Surface	Uranium-235	pCi/g	3.64E-01	1.50E+02		6.42E-03	6.81E-01
15	4	Surface	Uranium-238	pCi/g	1.35E+01	5.57E+03		2.38E-01	2.53E+01
15	5	Surface	Antimony	mg/kg	1.01E+02	6.01E-05		2.91E-06	
15	5	Surface	Arsenic	mg/kg	1.28E+01	7.59E-06	6.29E-06	3.68E-07	
15	5	Surface	Cadmium	mg/kg	1.46E+01	8.66E-06	2.39E-07	4.19E-07	
15	5	Surface	Chromium	mg/kg	8.43E+01	5.00E-05		2.42E-06	
15	5	Surface	Copper	mg/kg	5.63E+03	3.34E-03		1.62E-04	
15	5	Surface	Nickel	mg/kg	3.53E+02	2.09E-04		1.01E-05	
15	5	Surface	PAH, Total	mg/kg	5.11E-01	3.03E-07	1.09E-06	1.47E-08	
15	5	Surface	PCB, Total	mg/kg	2.51E+01	1.49E-05	5.77E-05	7.23E-07	
15	5	Surface	Uranium	mg/kg	1.76E+02	1.04E-04		5.05E-06	
15	5	Surface	Zinc	mg/kg	1.52E+03	9.05E-04		4.38E-05	
15	5	Surface	Neptunium-237	pCi/g	6.90E-01	2.84E+02		1.22E-02	1.29E+00
15	5	Surface	Uranium-235	pCi/g	4.60E-01	1.90E+02		8.11E-03	8.61E-01
15	5	Surface	Uranium-238	pCi/g	1.03E+01	4.24E+03		1.82E-01	1.93E+01
15	6	Surface	Antimony	mg/kg	8.85E+01	5.25E-05		2.54E-06	
15	6	Surface	Arsenic	mg/kg	1.24E+01	7.38E-06	6.12E-06	3.57E-07	
15	6	Surface	Cadmium	mg/kg	1.64E+01	9.71E-06	2.68E-07	4.70E-07	
15	6	Surface	Chromium	mg/kg	8.25E+01	4.90E-05		2.37E-06	
15	6	Surface	Cobalt	mg/kg	1.62E+01	9.62E-06		4.66E-07	
15	6	Surface	Copper	mg/kg	4.23E+02	2.51E-04		1.22E-05	
15	6	Surface	Iron	mg/kg	3.29E+04	1.95E-02		9.45E-04	
15	6	Surface	Nickel	mg/kg	3.00E+02	1.78E-04		8.64E-06	
15	6	Surface	PAH, Total	mg/kg	1.62E+00	9.64E-07	3.46E-06	4.67E-08	
15	6	Surface	PCB, Total	mg/kg	6.17E+00	3.66E-06	1.42E-05	1.77E-07	
15	6	Surface	Uranium	mg/kg	6.30E+01	3.74E-05		1.81E-06	
15	6	Surface	Neptunium-237	pCi/g	6.40E-01	2.64E+02		1.13E-02	1.20E+00
15	6	Surface	Uranium-234	pCi/g	8.74E+00	3.60E+03		1.54E-01	1.64E+01
15	6	Surface	Uranium-235	pCi/g	5.70E-01	2.35E+02		1.01E-02	1.07E+00
15	6	Surface	Uranium-238	pCi/g	1.54E+01	6.34E+03		2.72E-01	2.88E+01
15	7	Surface	Antimony	mg/kg	1.37E+02	8.14E-05		3.95E-06	
15	7	Surface	Arsenic	mg/kg	1.61E+01	9.55E-06	7.91E-06	4.62E-07	
15	7	Surface	Cadmium	mg/kg	1.80E+01	1.07E-05	2.95E-07	5.17E-07	
15	7	Surface	Chromium	mg/kg	7.97E+01	4.73E-05		2.29E-06	
15	7	Surface	Copper	mg/kg	8.29E+02	4.92E-04		2.38E-05	
15	7	Surface	Iron	mg/kg	3.42E+04	2.03E-02		9.84E-04	
15	7	Surface	Manganese	mg/kg	1.18E+03	7.02E-04		3.40E-05	
15	7	Surface	Nickel	mg/kg	5.59E+02	3.32E-04		1.61E-05	
15	7	Surface	PAH, Total	mg/kg	1.59E-01	9.43E-08	3.39E-07	4.57E-09	
15	7	Surface	PCB, Total	mg/kg	2.57E+01	1.52E-05	5.89E-05	7.38E-07	
15	7	Surface	Thallium	mg/kg	3.00E-01	1.78E-07		8.63E-09	
15	7	Surface	Uranium	mg/kg	5.39E+01	3.20E-05		1.55E-06	
15	7	Surface	Uranium-234	pCi/g	6.49E+00	2.67E+03		1.14E-01	1.21E+01
15	7	Surface	Uranium-235	pCi/g	4.50E-01	1.85E+02		7.94E-03	8.42E-01

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.25. Cancerous CDIs for the Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
15	7	Surface	Uranium-238	pCi/g	8.05E+00	3.32E+03		1.42E-01	1.51E+01
15	8	Surface	Antimony	mg/kg	7.42E+01	4.40E-05		2.13E-06	
15	8	Surface	Arsenic	mg/kg	1.17E+01	6.92E-06	5.73E-06	3.35E-07	
15	8	Surface	Cadmium	mg/kg	1.68E+01	9.99E-06	2.76E-07	4.84E-07	
15	8	Surface	Chromium	mg/kg	7.74E+01	4.59E-05		2.23E-06	
15	8	Surface	Iron	mg/kg	2.83E+04	1.68E-02		8.13E-04	
15	8	Surface	Mercury	mg/kg	1.01E+01	5.98E-06		2.90E-07	
15	8	Surface	Nickel	mg/kg	1.82E+02	1.08E-04		5.23E-06	
15	8	Surface	PAH, Total	mg/kg	3.59E-01	2.13E-07	7.65E-07	1.03E-08	
15	8	Surface	PCB, Total	mg/kg	5.01E+00	2.97E-06	1.15E-05	1.44E-07	
15	8	Surface	Uranium	mg/kg	4.46E+01	2.64E-05		1.28E-06	
15	8	Surface	Neptunium-237	pCi/g	3.65E-01	1.50E+02		6.44E-03	6.83E-01
15	8	Surface	Uranium-238	pCi/g	6.64E+00	2.74E+03		1.17E-01	1.24E+01
15	9	Surface	Antimony	mg/kg	1.12E+02	6.64E-05		3.22E-06	
15	9	Surface	Arsenic	mg/kg	1.10E+01	6.55E-06	5.43E-06	3.17E-07	
15	9	Surface	Cadmium	mg/kg	1.81E+01	1.07E-05	2.97E-07	5.21E-07	
15	9	Surface	Chromium	mg/kg	9.56E+01	5.68E-05		2.75E-06	
15	9	Surface	Iron	mg/kg	2.76E+04	1.64E-02		7.93E-04	
15	9	Surface	Nickel	mg/kg	1.49E+02	8.84E-05		4.28E-06	
15	9	Surface	PAH, Total	mg/kg	2.38E-01	1.41E-07	5.08E-07	6.85E-09	
15	9	Surface	PCB, Total	mg/kg	6.31E+00	3.74E-06	1.45E-05	1.81E-07	
15	9	Surface	Uranium	mg/kg	3.07E+01	1.82E-05		8.82E-07	
15	9	Surface	Vanadium	mg/kg	7.33E+01	4.35E-05		2.11E-06	
15	9	Surface	Uranium-238	pCi/g	7.12E+00	2.93E+03		1.26E-01	1.33E+01
204	1	Surface	Aluminum	mg/kg	1.18E+04	7.00E-03		3.39E-04	
204	1	Surface	Chromium	mg/kg	1.42E+01	8.41E-06		4.08E-07	
204	1	Surface	PAH, Total	mg/kg	4.93E-01	2.93E-07	1.05E-06	1.42E-08	
204	1	Surface	Vanadium	mg/kg	1.20E+02	7.12E-05		3.45E-06	
204	1	Surface	Uranium-238	pCi/g	1.27E+00	5.25E+02		2.25E-02	2.39E+00
204	10	Surface	Antimony	mg/kg	1.20E+01	7.12E-06		3.45E-07	
204	10	Surface	Iron	mg/kg	3.08E+04	1.83E-02		8.87E-04	
204	10	Surface	PAH, Total	mg/kg	6.42E-02	3.81E-08	1.37E-07	1.85E-09	
204	10	Surface	Vanadium	mg/kg	1.19E+02	7.06E-05		3.42E-06	
204	10	Surface	Uranium-238	pCi/g	3.15E+00	1.30E+03		5.55E-02	5.90E+00
204	11	Surface	Iron	mg/kg	3.05E+04	1.81E-02		8.78E-04	
204	11	Surface	PAH, Total	mg/kg	8.95E-02	5.31E-08	1.91E-07	2.57E-09	
204	11	Surface	Vanadium	mg/kg	1.43E+02	8.49E-05		4.11E-06	
204	11	Surface	Uranium-238	pCi/g	3.09E+00	1.27E+03		5.45E-02	5.78E+00
204	12	Surface	Iron	mg/kg	2.86E+04	1.70E-02		8.23E-04	
204	12	Surface	PAH, Total	mg/kg	6.43E-02	3.82E-08	1.37E-07	1.85E-09	
204	12	Surface	Thallium	mg/kg	2.10E-01	1.25E-07		6.04E-09	
204	12	Surface	Vanadium	mg/kg	1.44E+02	8.55E-05		4.14E-06	
204	12	Surface	Uranium-238	pCi/g	3.26E+00	1.34E+03		5.75E-02	6.10E+00
204	13	Surface	Chromium	mg/kg	1.70E+01	1.01E-05		4.89E-07	
204	13	Surface	PAH, Total	mg/kg	5.05E-01	3.00E-07	1.08E-06	1.45E-08	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.25. Cancerous CDIs for the Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
204	13	Surface	Vanadium	mg/kg	1.45E+02	8.61E-05		4.17E-06	
204	13	Surface	Uranium-238	pCi/g	2.98E+00	1.23E+03		5.26E-02	5.58E+00
204	14	Surface	Arsenic	mg/kg	1.36E+02	8.07E-05	6.69E-05	3.91E-06	
204	14	Surface	Chromium	mg/kg	1.70E+01	1.01E-05		4.89E-07	
204	14	Surface	Iron	mg/kg	3.17E+04	1.88E-02		9.12E-04	
204	14	Surface	PAH, Total	mg/kg	1.28E-01	7.57E-08	2.72E-07	3.67E-09	
204	14	Surface	Uranium	mg/kg	1.34E+02	7.95E-05		3.85E-06	
204	14	Surface	Vanadium	mg/kg	1.43E+02	8.49E-05		4.11E-06	
204	14	Surface	Uranium-238	pCi/g	4.25E+00	1.75E+03		7.49E-02	7.96E+00
204	15	Surface	Iron	mg/kg	2.90E+04	1.72E-02		8.35E-04	
204	15	Surface	PAH, Total	mg/kg	1.25E-02	7.40E-09	2.66E-08	3.58E-10	
204	15	Surface	Vanadium	mg/kg	1.13E+02	6.71E-05		3.25E-06	
204	15	Surface	Cesium-137	pCi/g	6.30E-01	2.22E+02		8.36E-03	8.88E-01
204	15	Surface	Uranium-238	pCi/g	5.37E+00	2.21E+03		9.47E-02	1.01E+01
204	16	Surface	Iron	mg/kg	2.89E+04	1.72E-02		8.32E-04	
204	16	Surface	PAH, Total	mg/kg	1.45E-02	8.60E-09	3.09E-08	4.17E-10	
204	16	Surface	Vanadium	mg/kg	1.22E+02	7.24E-05		3.51E-06	
204	17	Surface	Iron	mg/kg	2.98E+04	1.77E-02		8.57E-04	
204	17	Surface	PAH, Total	mg/kg	5.99E-02	3.56E-08	1.28E-07	1.72E-09	
204	17	Surface	Vanadium	mg/kg	1.22E+02	7.24E-05		3.51E-06	
204	17	Surface	Uranium-238	pCi/g	2.50E+00	1.03E+03		4.41E-02	4.68E+00
204	18	Surface	Iron	mg/kg	3.35E+04	1.99E-02		9.65E-04	
204	18	Surface	PAH, Total	mg/kg	7.04E-03	4.18E-09	1.50E-08	2.02E-10	
204	18	Surface	Uranium	mg/kg	1.09E+02	6.47E-05		3.13E-06	
204	18	Surface	Vanadium	mg/kg	1.51E+02	8.96E-05		4.34E-06	
204	18	Surface	Uranium-238	pCi/g	1.81E+00	7.46E+02		3.19E-02	3.39E+00
204	19	Surface	PAH, Total	mg/kg	1.30E-01	7.70E-08	2.77E-07	3.73E-09	
204	19	Surface	Silver	mg/kg	5.50E+01	3.27E-05		1.58E-06	
204	19	Surface	Uranium	mg/kg	8.50E+01	5.05E-05		2.44E-06	
204	19	Surface	Vanadium	mg/kg	1.06E+02	6.29E-05		3.05E-06	
204	19	Surface	Uranium-238	pCi/g	2.65E+00	1.09E+03		4.67E-02	4.96E+00
204	2	Surface	Arsenic	mg/kg	4.59E+01	2.73E-05	2.26E-05	1.32E-06	
204	2	Surface	Chromium	mg/kg	1.84E+01	1.09E-05		5.29E-07	
204	2	Surface	PAH, Total	mg/kg	6.20E-02	3.68E-08	1.32E-07	1.78E-09	
204	2	Surface	Vanadium	mg/kg	1.20E+02	7.14E-05		3.46E-06	
204	2	Surface	Uranium-238	pCi/g	3.92E+00	1.62E+03		6.91E-02	7.34E+00
204	20	Surface	Chromium	mg/kg	1.75E+02	1.04E-04		5.03E-06	
204	20	Surface	PCB, Total	mg/kg	7.90E+01	4.69E-05	1.81E-04	2.27E-06	
204	20	Surface	Uranium	mg/kg	1.31E+04	7.76E-03		3.76E-04	
204	20	Surface	Vanadium	mg/kg	1.14E+02	6.77E-05		3.28E-06	
204	20	Surface	Americium-241	pCi/g	3.71E+00	1.51E+03		6.41E-02	6.80E+00
204	20	Surface	Cesium-137	pCi/g	1.17E+00	4.12E+02		1.56E-02	1.65E+00
204	20	Surface	Protactinium-231	pCi/g	3.65E+01	1.50E+04		6.43E-01	6.83E+01
204	20	Surface	Uranium-234	pCi/g	4.45E+02	1.83E+05		7.85E+00	8.33E+02
204	20	Surface	Uranium-235	pCi/g	5.70E+01	2.35E+04		1.01E+00	1.07E+02

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.25. Cancerous CDIs for the Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
204	20	Surface	Uranium-238	pCi/g	4.39E+03	1.81E+06		7.73E+01	8.21E+03
204	21	Surface	Cobalt	mg/kg	1.80E+01	1.07E-05		5.18E-07	
204	21	Surface	Vanadium	mg/kg	1.19E+02	7.06E-05		3.42E-06	
204	3	Surface	Chromium	mg/kg	1.80E+01	1.07E-05		5.18E-07	
204	3	Surface	PAH, Total	mg/kg	3.52E-02	2.09E-08	7.51E-08	1.01E-09	
204	3	Surface	Silver	mg/kg	5.40E+01	3.21E-05		1.55E-06	
204	3	Surface	Vanadium	mg/kg	1.22E+02	7.24E-05		3.51E-06	
204	3	Surface	Uranium-238	pCi/g	2.31E+00	9.52E+02		4.07E-02	4.32E+00
204	4	Surface	Iron	mg/kg	2.92E+04	1.73E-02		8.40E-04	
204	4	Surface	Molybdenum	mg/kg	4.10E+01	2.43E-05		1.18E-06	
204	4	Surface	PAH, Total	mg/kg	2.33E-02	1.38E-08	4.97E-08	6.70E-10	
204	4	Surface	Silver	mg/kg	5.90E+01	3.50E-05		1.70E-06	
204	4	Surface	Vanadium	mg/kg	1.39E+02	8.25E-05		4.00E-06	
204	4	Surface	Uranium-238	pCi/g	1.82E+00	7.50E+02		3.21E-02	3.41E+00
204	5	Surface	Arsenic	mg/kg	5.67E+01	3.37E-05	2.79E-05	1.63E-06	
204	5	Surface	Chromium	mg/kg	1.61E+01	9.54E-06		4.62E-07	
204	5	Surface	PAH, Total	mg/kg	2.04E-02	1.21E-08	4.35E-08	5.87E-10	
204	5	Surface	Vanadium	mg/kg	1.21E+02	7.19E-05		3.49E-06	
204	5	Surface	Uranium-238	pCi/g	5.65E+00	2.33E+03		9.96E-02	1.06E+01
204	6	Surface	PAH, Total	mg/kg	3.25E-02	1.93E-08	6.93E-08	9.35E-10	
204	6	Surface	Vanadium	mg/kg	1.25E+02	7.42E-05		3.59E-06	
204	6	Surface	Uranium-238	pCi/g	3.63E+00	1.50E+03		6.40E-02	6.80E+00
204	7	Surface	Iron	mg/kg	2.95E+04	1.75E-02		8.47E-04	
204	7	Surface	Manganese	mg/kg	1.94E+03	1.15E-03		5.58E-05	
204	7	Surface	PAH, Total	mg/kg	9.68E-03	5.75E-09	2.06E-08	2.78E-10	
204	7	Surface	Vanadium	mg/kg	1.27E+02	7.54E-05		3.65E-06	
204	7	Surface	Uranium-238	pCi/g	2.04E+00	8.40E+02		3.60E-02	3.82E+00
204	8	Surface	Chromium	mg/kg	1.70E+01	1.01E-05		4.89E-07	
204	8	Surface	Cobalt	mg/kg	1.40E+01	8.31E-06		4.03E-07	
204	8	Surface	Iron	mg/kg	2.94E+04	1.75E-02		8.46E-04	
204	8	Surface	PAH, Total	mg/kg	7.37E-02	4.37E-08	1.57E-07	2.12E-09	
204	8	Surface	Vanadium	mg/kg	1.32E+02	7.84E-05		3.80E-06	
204	8	Surface	Uranium-238	pCi/g	2.01E+00	8.28E+02		3.54E-02	3.76E+00
204	9	Surface	Chromium	mg/kg	1.80E+01	1.07E-05		5.18E-07	
204	9	Surface	Iron	mg/kg	2.96E+04	1.76E-02		8.52E-04	
204	9	Surface	PAH, Total	mg/kg	5.01E+00	2.97E-06	1.07E-05	1.44E-07	
204	9	Surface	Vanadium	mg/kg	1.37E+02	8.13E-05		3.94E-06	
204	9	Surface	Uranium-238	pCi/g	2.22E+00	9.15E+02		3.91E-02	4.16E+00
211	1	Surface	Antimony	mg/kg	6.52E+01	3.87E-05		1.88E-06	
211	1	Surface	Chromium	mg/kg	4.48E+01	2.66E-05		1.29E-06	
211	1	Surface	Iron	mg/kg	3.05E+04	1.81E-02		8.76E-04	
211	1	Surface	PAH, Total	mg/kg	1.04E-01	6.16E-08	2.21E-07	2.99E-09	
211	1	Surface	PCB, Total	mg/kg	3.60E-01	2.14E-07	8.27E-07	1.04E-08	
211	1	Surface	Thallium	mg/kg	3.30E-01	1.96E-07		9.49E-09	
211	1	Surface	Vanadium	mg/kg	1.01E+02	6.00E-05		2.90E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.25. Cancerous CDIs for the Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
211	1	Surface	Cesium-137	pCi/g	1.67E+00	5.87E+02		2.22E-02	2.35E+00
211	1	Surface	Neptunium-237	pCi/g	5.93E+00	2.44E+03		1.05E-01	1.11E+01
211	1	Surface	Uranium-234	pCi/g	6.69E+01	2.76E+04		1.18E+00	1.25E+02
211	1	Surface	Uranium-238	pCi/g	1.19E+02	4.90E+04		2.10E+00	2.23E+02
224	1	Surface	Antimony	mg/kg	1.08E+02	6.42E-05		3.11E-06	
224	1	Surface	PAH, Total	mg/kg	5.95E-01	3.53E-07	1.27E-06	1.71E-08	
224	1	Surface	Uranium	mg/kg	4.15E+01	2.46E-05		1.19E-06	
224	1	Surface	Uranium-238	pCi/g	1.39E+01	5.73E+03		2.45E-01	2.60E+01
225	1	Surface	Antimony	mg/kg	5.41E+01	3.21E-05		1.56E-06	
225	1	Surface	Chromium	mg/kg	2.55E+01	1.51E-05		7.33E-07	
225	1	Surface	PAH, Total	mg/kg	7.79E-02	4.62E-08	1.66E-07	2.24E-09	
225	1	Surface	Thallium	mg/kg	2.80E-01	1.66E-07		8.05E-09	
225	1	Surface	Vanadium	mg/kg	1.09E+02	6.47E-05		3.13E-06	
225	1	Surface	Uranium-238	pCi/g	2.04E+00	8.40E+02		3.60E-02	3.82E+00
26	1	Surface	Chromium	mg/kg	1.67E+01	9.93E-06		4.81E-07	
26	1	Surface	Iron	mg/kg	2.88E+04	1.71E-02		8.28E-04	
26	1	Surface	PAH, Total	mg/kg	1.97E-01	1.17E-07	4.20E-07	5.67E-09	
26	1	Surface	PCB, Total	mg/kg	9.40E+00	5.58E-06	2.16E-05	2.70E-07	
26	1	Surface	Uranium	mg/kg	6.28E+02	3.73E-04		1.81E-05	
26	1	Surface	Vanadium	mg/kg	1.61E+02	9.56E-05		4.63E-06	
26	1	Surface	Uranium-234	pCi/g	7.78E+00	3.21E+03		1.37E-01	1.46E+01
26	1	Surface	Uranium-235	pCi/g	1.23E+00	5.07E+02		2.17E-02	2.30E+00
26	1	Surface	Uranium-238	pCi/g	6.75E+01	2.78E+04		1.19E+00	1.26E+02
26	2	Surface	Aluminum	mg/kg	2.61E+04	1.55E-02		7.51E-04	
26	2	Surface	Arsenic	mg/kg	4.23E+01	2.51E-05	2.08E-05	1.22E-06	
26	2	Surface	Beryllium	mg/kg	1.13E+01	6.68E-06		3.24E-07	
26	2	Surface	Chromium	mg/kg	4.12E+01	2.45E-05		1.19E-06	
26	2	Surface	Cobalt	mg/kg	6.59E+01	3.91E-05		1.89E-06	
26	2	Surface	Iron	mg/kg	5.20E+04	3.08E-02		1.49E-03	
26	2	Surface	Nickel	mg/kg	1.03E+02	6.10E-05		2.95E-06	
26	2	Surface	PCB, Total	mg/kg	3.25E+00	1.93E-06	7.47E-06	9.35E-08	
26	2	Surface	Thallium	mg/kg	2.38E+01	1.41E-05		6.84E-07	
26	2	Surface	Uranium	mg/kg	7.18E+02	4.26E-04		2.06E-05	
26	2	Surface	Vanadium	mg/kg	1.16E+02	6.87E-05		3.33E-06	
26	2	Surface	Cesium-137	pCi/g	9.52E+00	3.35E+03		1.26E-01	1.34E+01
26	2	Surface	Neptunium-237	pCi/g	2.15E-01	8.86E+01		3.79E-03	4.03E-01
26	2	Surface	Radium-228	pCi/g	1.69E+00	4.09E+02		9.07E-03	9.62E-01
26	2	Surface	Thorium-230	pCi/g	3.59E+00	1.48E+03		6.34E-02	6.73E+00
26	2	Surface	Uranium-234	pCi/g	1.98E+01	8.15E+03		3.49E-01	3.70E+01
26	2	Surface	Uranium-235	pCi/g	2.36E+00	9.72E+02		4.16E-02	4.42E+00
26	2	Surface	Uranium-238	pCi/g	5.01E+01	2.06E+04		8.83E-01	9.37E+01
26	3	Surface	Arsenic	mg/kg	7.56E+01	4.49E-05	3.72E-05	2.17E-06	
26	3	Surface	Chromium	mg/kg	4.56E+01	2.70E-05		1.31E-06	
26	3	Surface	Iron	mg/kg	3.46E+04	2.06E-02		9.96E-04	
26	3	Surface	Molybdenum	mg/kg	4.07E+01	2.42E-05		1.17E-06	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.25. Cancerous CDIs for the Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
26	3	Surface	PAH, Total	mg/kg	3.30E-01	1.96E-07	7.04E-07	9.49E-09	
26	3	Surface	PCB, Total	mg/kg	8.91E+00	5.29E-06	2.05E-05	2.56E-07	
26	3	Surface	Thallium	mg/kg	3.68E+00	2.19E-06		1.06E-07	
26	3	Surface	Uranium	mg/kg	2.05E+02	1.22E-04		5.89E-06	
26	3	Surface	Vanadium	mg/kg	1.44E+02	8.54E-05		4.14E-06	
26	3	Surface	Cesium-137	pCi/g	4.51E+00	1.59E+03		5.99E-02	6.36E+00
26	3	Surface	Neptunium-237	pCi/g	3.70E-01	1.52E+02		6.52E-03	6.93E-01
26	3	Surface	Uranium-234	pCi/g	5.02E+00	2.07E+03		8.85E-02	9.39E+00
26	3	Surface	Uranium-235	pCi/g	3.15E-01	1.30E+02		5.55E-03	5.90E-01
26	3	Surface	Uranium-238	pCi/g	7.00E+00	2.88E+03		1.23E-01	1.31E+01
26	4	Surface	Aluminum	mg/kg	1.11E+04	6.60E-03		3.20E-04	
26	4	Surface	Arsenic	mg/kg	6.01E+01	3.57E-05	2.96E-05	1.73E-06	
26	4	Surface	Chromium	mg/kg	1.14E+02	6.79E-05		3.29E-06	
26	4	Surface	Iron	mg/kg	2.81E+04	1.67E-02		8.09E-04	
26	4	Surface	Mercury	mg/kg	7.33E+01	4.35E-05		2.11E-06	
26	4	Surface	Molybdenum	mg/kg	3.49E+01	2.07E-05		1.00E-06	
26	4	Surface	Nickel	mg/kg	8.10E+01	4.81E-05		2.33E-06	
26	4	Surface	PAH, Total	mg/kg	5.53E+00	3.28E-06	1.18E-05	1.59E-07	
26	4	Surface	PCB, Total	mg/kg	7.95E+00	4.72E-06	1.83E-05	2.29E-07	
26	4	Surface	Uranium	mg/kg	1.47E+03	8.74E-04		4.23E-05	
26	4	Surface	Vanadium	mg/kg	1.42E+02	8.42E-05		4.08E-06	
26	4	Surface	Cesium-137	pCi/g	1.02E+00	3.60E+02		1.36E-02	1.44E+00
26	4	Surface	Neptunium-237	pCi/g	2.80E+00	1.15E+03		4.93E-02	5.23E+00
26	4	Surface	Plutonium-239/240	pCi/g	1.35E+01	5.56E+03		2.38E-01	2.53E+01
26	4	Surface	Technetium-99	pCi/g	8.36E+02	3.44E+05		1.47E+01	1.56E+03
26	4	Surface	Thorium-230	pCi/g	5.48E+01	2.26E+04		9.66E-01	1.03E+02
26	4	Surface	Uranium-234	pCi/g	2.15E+02	8.87E+04		3.80E+00	4.03E+02
26	4	Surface	Uranium-235	pCi/g	1.52E+01	6.24E+03		2.67E-01	2.84E+01
26	4	Surface	Uranium-238	pCi/g	8.49E+02	3.50E+05		1.50E+01	1.59E+03
77	1	Surface	Chromium	mg/kg	8.30E+01	4.93E-05		2.39E-06	
77	1	Surface	Iron	mg/kg	5.03E+04	2.99E-02		1.45E-03	
77	1	Surface	PAH, Total	mg/kg	7.02E-02	4.17E-08	1.50E-07	2.02E-09	
77	1	Surface	PCB, Total	mg/kg	5.00E+00	2.97E-06	1.15E-05	1.44E-07	
77	1	Surface	Uranium	mg/kg	6.66E+02	3.95E-04		1.92E-05	
77	1	Surface	Vanadium	mg/kg	1.68E+02	9.97E-05		4.83E-06	
77	1	Surface	Thorium-230	pCi/g	1.03E+01	4.24E+03		1.82E-01	1.93E+01
77	1	Surface	Uranium-238	pCi/g	1.53E+01	6.30E+03		2.70E-01	2.86E+01
80	1	Surface	Dioxins/Furans, Total	mg/kg	8.82E-05	5.24E-11	4.34E-11	2.54E-12	
80	1	Surface	PCB, Total	mg/kg	1.20E+02	7.12E-05	2.76E-04	3.45E-06	
80	1	Surface	Uranium	mg/kg	9.80E+01	5.82E-05		2.82E-06	
80	2	Surface	Antimony	mg/kg	5.82E+01	3.45E-05		1.67E-06	
80	2	Surface	Chromium	mg/kg	1.65E+02	9.80E-05		4.75E-06	
80	2	Surface	Cobalt	mg/kg	1.90E+01	1.13E-05		5.46E-07	
80	2	Surface	Iron	mg/kg	3.52E+04	2.09E-02		1.01E-03	
80	2	Surface	PAH, Total	mg/kg	7.21E-01	4.28E-07	1.54E-06	2.07E-08	

CDI = chronic daily intake
SWMU = solid waste management unit
EU = exposure unit
COPC = chemical of potential concern
EPC = exposure point concentration

Table D.25. Cancerous CDIs for the Recreational User (Continued)

SWMU	EU	Depth	COPC	Units	EPC	Ingestion	Dermal	Inhalation	External Exposure
80	2	Surface	PCB, Total	mg/kg	1.26E+01	7.48E-06	2.89E-05	3.62E-07	
80	2	Surface	Uranium	mg/kg	5.72E+03	3.40E-03		1.65E-04	
80	2	Surface	Vanadium	mg/kg	1.29E+02	7.66E-05		3.71E-06	
80	2	Surface	Americium-241	pCi/g	6.40E+00	2.60E+03		1.11E-01	1.17E+01
80	2	Surface	Cesium-137	pCi/g	8.40E-01	2.95E+02		1.11E-02	1.18E+00
80	2	Surface	Neptunium-237	pCi/g	5.05E-01	2.08E+02		8.91E-03	9.45E-01
80	2	Surface	Uranium-234	pCi/g	2.29E+02	9.43E+04		4.04E+00	4.29E+02
80	2	Surface	Uranium-235	pCi/g	3.00E+01	1.24E+04		5.29E-01	5.62E+01
80	2	Surface	Uranium-238	pCi/g	1.92E+03	7.91E+05		3.39E+01	3.60E+03
80	3	Surface	Chromium	mg/kg	1.81E+01	1.08E-05		5.22E-07	
80	3	Surface	Iron	mg/kg	3.05E+04	1.81E-02		8.77E-04	
80	3	Surface	Manganese	mg/kg	9.46E+02	5.61E-04		2.72E-05	
80	3	Surface	Molybdenum	mg/kg	2.33E+01	1.39E-05		6.71E-07	
80	3	Surface	PCB, Total	mg/kg	5.66E+02	3.36E-04	1.30E-03	1.63E-05	
80	3	Surface	Uranium	mg/kg	7.32E+01	4.35E-05		2.11E-06	
80	3	Surface	Vanadium	mg/kg	1.21E+02	7.17E-05		3.47E-06	
80	3	Surface	Uranium-238	pCi/g	1.59E+00	6.55E+02		2.80E-02	2.98E+00

CDI = chronic daily intake
SWMU = solid waste management unit
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COPC = chemical of potential concern
EPC = exposure point concentration