Table D.47. RGOs for the Soils OU RI 2 SWMUs

Industrial Worker Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
13	4	PAH, Total	4.13E-01	mg/kg	4.6E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
13	4	PCB, Total	1.05E+01	mg/kg	3.4E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
13	4	Uranium-238	1.78E+00	pCi/g	1.1E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
13	5	PAH, Total	4.41E-01	mg/kg	4.9E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
13	5	PCB, Total	6.66E+00	mg/kg	2.2E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
13	5	Neptunium-237	3.88E-01	pCi/g	1.5E-06	2.53E-01	2.53E+00	2.53E+01	n/a	n/a	n/a	n/a
13	5	Uranium-234	2.57E+01	pCi/g	1.3E-06	2.01E+01	2.01E+02	2.01E+03	n/a	n/a	n/a	n/a
13	5	Uranium-235	2.95E+00	pCi/g	7.9E-06	3.73E-01	3.73E+00	3.73E+01	n/a	n/a	n/a	n/a
13	5	Uranium-238	4.60E+01	pCi/g	2.8E-05	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
13	6	PAH, Total	6.51E-01	mg/kg	7.3E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
13	6	PCB, Total	1.08E+01	mg/kg	3.5E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
13	6	Neptunium-237	1.25E+00	pCi/g	4.9E-06	2.53E-01	2.53E+00	2.53E+01	n/a	n/a	n/a	n/a
13	6	Uranium-234	2.04E+01	pCi/g	1.0E-06	2.01E+01	2.01E+02	2.01E+03	n/a	n/a	n/a	n/a
13	6	Uranium-235	1.40E+00	pCi/g	3.7E-06	3.73E-01	3.73E+00	3.73E+01	n/a	n/a	n/a	n/a
13	6	Uranium-238	4.17E+01	pCi/g	2.5E-05	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
13	9	Neptunium-237	6.88E-01	pCi/g	2.7E-06	2.53E-01	2.53E+00	2.53E+01	n/a	n/a	n/a	n/a
13	9	Uranium-238	4.07E+00	pCi/g	2.5E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
13	11	PCB, Total	1.03E+01	mg/kg	3.4E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
13	14	PCB, Total	6.46E+00	mg/kg	2.1E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
13	14	Uranium-238	2.07E+00	pCi/g	1.3E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
15	1	Arsenic	1.27E+01	mg/kg	8.9E-06	1.41E+00	1.41E+01	1.41E+02	<0.1	n/a	n/a	n/a
15	1	PAH, Total	1.71E+00	mg/kg	1.9E-05	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
15	1	Uranium-238	1.85E+00	pCi/g	1.1E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
15	2	Arsenic	1.63E+01	mg/kg	1.1E-05	1.41E+00	1.41E+01	1.41E+02	<0.1	n/a	n/a	n/a
15	2	PAH, Total	2.11E+00	mg/kg	2.4E-05	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
15	2	PCB, Total	3.30E-01	mg/kg	1.1E-06	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
15	2	Uranium-235	3.80E-01	pCi/g	1.0E-06	3.73E-01	3.73E+00	3.73E+01	n/a	n/a	n/a	n/a
15	2	Uranium-238	1.21E+01	pCi/g	7.3E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
15	3	Arsenic	2.74E+01	mg/kg	1.9E-05	1.41E+00	1.41E+01	1.41E+02	0.1	2.26E+01	2.26E+02	6.78E+02
15	3	PAH, Total	1.45E+00	mg/kg	1.6E-05	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
15	3	PCB, Total	6.82E+00	mg/kg	2.2E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
15	3	Neptunium-237	3.24E+00	pCi/g	1.3E-05	2.53E-01	2.53E+00	2.53E+01	n/a	n/a	n/a	n/a
15	3	Uranium-234	1.40E+02	pCi/g	7.0E-06	2.01E+01	2.01E+02	2.01E+03	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Industrial Worker Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	3	Uranium-235	1.49E+01	pCi/g	4.0E-05	3.73E-01	3.73E+00	3.73E+01	n/a	n/a	n/a	n/a
15	3	Uranium-238	8.68E+02	pCi/g	5.3E-04	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
15	4	Arsenic	3.37E+01	mg/kg	2.4E-05	1.41E+00	1.41E+01	1.41E+02	0.1	2.26E+01	2.26E+02	6.78E+02
15	4	PAH, Total	1.75E+00	mg/kg	2.0E-05	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
15	4	PCB, Total	3.13E+01	mg/kg	1.0E-04	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
15	4	Neptunium-237	6.60E-01	pCi/g	2.6E-06	2.53E-01	2.53E+00	2.53E+01	n/a	n/a	n/a	n/a
15	4	Uranium-238	1.35E+01	pCi/g	8.2E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
15	5	Arsenic	1.28E+01	mg/kg	9.0E-06	1.41E+00	1.41E+01	1.41E+02	<0.1	n/a	n/a	n/a
15	5	PAH, Total	5.11E-01	mg/kg	5.7E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
15	5	PCB, Total	2.51E+01	mg/kg	8.2E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
15	5	Neptunium-237	6.90E-01	pCi/g	2.7E-06	2.53E-01	2.53E+00	2.53E+01	n/a	n/a	n/a	n/a
15	5	Uranium-235	4.60E-01	pCi/g	1.2E-06	3.73E-01	3.73E+00	3.73E+01	n/a	n/a	n/a	n/a
15	5	Uranium-238	1.03E+01	pCi/g	6.3E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
15	6	Arsenic	1.24E+01	mg/kg	8.8E-06	1.41E+00	1.41E+01	1.41E+02	<0.1	n/a	n/a	n/a
15	6	PAH, Total	1.62E+00	mg/kg	1.8E-05	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
15	6	PCB, Total	6.17E+00	mg/kg	2.0E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
15	6	Neptunium-237	6.40E-01	pCi/g	2.5E-06	2.53E-01	2.53E+00	2.53E+01	n/a	n/a	n/a	n/a
15	6	Uranium-235	5.70E-01	pCi/g	1.5E-06	3.73E-01	3.73E+00	3.73E+01	n/a	n/a	n/a	n/a
15	6	Uranium-238	1.54E+01	pCi/g	9.3E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
15	7	Arsenic	1.61E+01	mg/kg	1.1E-05	1.41E+00	1.41E+01	1.41E+02	<0.1	n/a	n/a	n/a
15	7	PAH, Total	1.59E-01	mg/kg	1.8E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
15	7	PCB, Total	2.57E+01	mg/kg	8.4E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
15	7	Uranium-235	4.50E-01	pCi/g	1.2E-06	3.73E-01	3.73E+00	3.73E+01	n/a	n/a	n/a	n/a
15	7	Uranium-238	8.05E+00	pCi/g	4.9E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
15	8	Arsenic	1.17E+01	mg/kg	8.2E-06	1.41E+00	1.41E+01	1.41E+02	<0.1	n/a	n/a	n/a
15	8	PAH, Total	3.59E-01	mg/kg	4.0E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
15	8	PCB, Total	5.01E+00	mg/kg	1.6E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
15	8	Neptunium-237	3.65E-01	pCi/g	1.4E-06	2.53E-01	2.53E+00	2.53E+01	n/a	n/a	n/a	n/a
15	8	Uranium-238	6.64E+00	pCi/g	4.0E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
15	9	Arsenic	1.10E+01	mg/kg	7.8E-06	1.41E+00	1.41E+01	1.41E+02	<0.1	n/a	n/a	n/a
15	9	PAH, Total	2.38E-01	mg/kg	2.7E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
15	9	PCB, Total	6.31E+00	mg/kg	2.1E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
15	9	Uranium-238	7.12E+00	pCi/g	4.3E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
15	10	PAH, Total	1.28E-01	mg/kg	1.4E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Industrial Worker Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
26	1	PAH, Total	1.97E-01	mg/kg	2.2E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
26	1	PCB, Total	9.40E+00	mg/kg	3.1E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
26	1	Uranium-235	1.23E+00	pCi/g	3.3E-06	3.73E-01	3.73E+00	3.73E+01	n/a	n/a	n/a	n/a
26	1	Uranium-238	6.75E+01	pCi/g	4.1E-05	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
26	2	Arsenic	4.23E+01	mg/kg	3.0E-05	1.41E+00	1.41E+01	1.41E+02	0.2	2.26E+01	2.26E+02	6.78E+02
26	2	PCB, Total	3.25E+00	mg/kg	1.1E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
26	2	Thallium	2.38E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	1	2.34E+00	2.34E+01	7.01E+01
26	2	Uranium	7.18E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	6.58E+02	6.58E+03	1.97E+04
26	2	Cesium-137	9.52E+00	pCi/g	8.4E-05	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
26	2	Radium-228	1.69E+00	pCi/g	1.0E-05	1.67E-01	1.67E+00	1.67E+01	n/a	n/a	n/a	n/a
26	2	Uranium-235	2.36E+00	pCi/g	6.3E-06	3.73E-01	3.73E+00	3.73E+01	n/a	n/a	n/a	n/a
26	2	Uranium-238	5.01E+01	pCi/g	3.0E-05	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
26	3	Arsenic	7.56E+01	mg/kg	5.3E-05	1.41E+00	1.41E+01	1.41E+02	0.3	2.26E+01	2.26E+02	6.78E+02
26	3	PAH, Total	3.30E-01	mg/kg	3.7E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
26	3	PCB, Total	8.91E+00	mg/kg	2.9E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
26	3	Cesium-137	4.51E+00	pCi/g	4.0E-05	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
26	3	Neptunium-237	3.70E-01	pCi/g	1.5E-06	2.53E-01	2.53E+00	2.53E+01	n/a	n/a	n/a	n/a
26	3	Uranium-238	7.00E+00	pCi/g	4.2E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
26	4	Arsenic	6.01E+01	mg/kg	4.2E-05	1.41E+00	1.41E+01	1.41E+02	0.3	2.26E+01	2.26E+02	6.78E+02
26	4	PAH, Total	5.53E+00	mg/kg	6.2E-05	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
26	4	PCB, Total	7.95E+00	mg/kg	2.6E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
26	4	Cesium-137	1.02E+00	pCi/g	9.0E-06	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
26	4	Neptunium-237	2.80E+00	pCi/g	1.1E-05	2.53E-01	2.53E+00	2.53E+01	n/a	n/a	n/a	n/a
26	4	Plutonium-239/240	1.35E+01	pCi/g	1.0E-06	1.30E+01	1.30E+02	1.30E+03	n/a	n/a	n/a	n/a
26	4	Technetium-99	8.36E+02	pCi/g	2.2E-06	3.78E+02	3.78E+03	3.78E+04	n/a	n/a	n/a	n/a
26	4	Thorium-230	5.48E+01	pCi/g	3.2E-06	1.71E+01	1.71E+02	1.71E+03	n/a	n/a	n/a	n/a
26	4	Uranium-234	2.15E+02	pCi/g	1.1E-05	2.01E+01	2.01E+02	2.01E+03	n/a	n/a	n/a	n/a
26	4	Uranium-235	1.52E+01	pCi/g	4.1E-05	3.73E-01	3.73E+00	3.73E+01	n/a	n/a	n/a	n/a
26	4	Uranium-238	8.49E+02	pCi/g	5.2E-04	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
77	1	PCB, Total	5.00E+00	mg/kg	1.6E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
77	1	Uranium-238	1.53E+01	pCi/g	9.3E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
80	1	Dioxins/Furans, Total	8.82E-05	mg/kg	5.4E-06	1.63E-05	1.63E-04	1.63E-03	<0.1	n/a	n/a	n/a
80	1	PCB, Total	1.20E+02	mg/kg	3.9E-04	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
80	2	PAH, Total	7.21E-01	mg/kg	8.1E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Industrial Worker Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
80	2	PCB, Total	1.26E+01	mg/kg	4.1E-05	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
80	2	Americium-241	6.40E+00	pCi/g	1.2E-06	5.45E+00	5.45E+01	5.45E+02	n/a	n/a	n/a	n/a
80	2	Cesium-137	8.40E-01	pCi/g	7.4E-06	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
80	2	Neptunium-237	5.05E-01	pCi/g	2.0E-06	2.53E-01	2.53E+00	2.53E+01	n/a	n/a	n/a	n/a
80	2	Uranium-234	2.29E+02	pCi/g	1.1E-05	2.01E+01	2.01E+02	2.01E+03	n/a	n/a	n/a	n/a
80	2	Uranium-235	3.00E+01	pCi/g	8.0E-05	3.73E-01	3.73E+00	3.73E+01	n/a	n/a	n/a	n/a
80	2	Uranium-238	1.92E+03	pCi/g	1.2E-03	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
80	3	PCB, Total	5.66E+02	mg/kg	1.9E-03	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
204	1	PAH, Total	4.93E-01	mg/kg	5.5E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
204	2	Arsenic	4.59E+01	mg/kg	3.2E-05	1.41E+00	1.41E+01	1.41E+02	0.2	2.26E+01	2.26E+02	6.78E+02
204	2	Uranium-238	3.92E+00	pCi/g	2.4E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	3	Uranium-238	2.31E+00	pCi/g	1.4E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	4	Uranium-238	1.82E+00	pCi/g	1.1E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	5	Arsenic	5.67E+01	mg/kg	4.0E-05	1.41E+00	1.41E+01	1.41E+02	0.3	2.26E+01	2.26E+02	6.78E+02
204	5	Uranium-238	5.65E+00	pCi/g	3.4E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	6	Uranium-238	3.63E+00	pCi/g	2.2E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	7	Uranium-238	2.04E+00	pCi/g	1.2E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	8	Uranium-238	2.01E+00	pCi/g	1.2E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	9	PAH, Total	5.01E+00	mg/kg	5.6E-05	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
204	9	Uranium-238	2.22E+00	pCi/g	1.3E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	10	Uranium-238	3.15E+00	pCi/g	1.9E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	11	PAH, Total	8.95E-02	mg/kg	1.0E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
204	11	Uranium-238	3.09E+00	pCi/g	1.9E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	12	Uranium-238	3.26E+00	pCi/g	2.0E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	13	PAH, Total	5.05E-01	mg/kg	5.6E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
204	13	Uranium-238	2.98E+00	pCi/g	1.8E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	14	Arsenic	1.36E+02	mg/kg	9.6E-05	1.41E+00	1.41E+01	1.41E+02	0.6	2.26E+01	2.26E+02	6.78E+02
204	14	PAH, Total	1.28E-01	mg/kg	1.4E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
204	14	Uranium-238	4.25E+00	pCi/g	2.6E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	15	Cesium-137	6.30E-01	pCi/g	5.5E-06	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
204	15	Uranium-238	5.37E+00	pCi/g	3.3E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	17	Uranium-238	2.50E+00	pCi/g	1.5E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	18	Uranium-238	1.81E+00	pCi/g	1.1E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	19	PAH, Total	1.30E-01	mg/kg	1.5E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Industrial Worker Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
204	19	Uranium-238	2.65E+00	pCi/g	1.6E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
204	20	PCB, Total	7.90E+01	mg/kg	2.6E-04	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
204	20	Uranium	1.31E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	2	6.58E+02	6.58E+03	1.97E+04
204	20	Cesium-137	1.17E+00	pCi/g	1.0E-05	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
204	20	Protactinium-231	3.65E+01	pCi/g	2.5E-05	1.47E+00	1.47E+01	1.47E+02	n/a	n/a	n/a	n/a
204	20	Uranium-234	4.45E+02	pCi/g	2.2E-05	2.01E+01	2.01E+02	2.01E+03	n/a	n/a	n/a	n/a
204	20	Uranium-235	5.70E+01	pCi/g	1.5E-04	3.73E-01	3.73E+00	3.73E+01	n/a	n/a	n/a	n/a
204	20	Uranium-238	4.39E+03	pCi/g	2.7E-03	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
211	1	PCB, Total	3.60E-01	mg/kg	1.2E-06	3.05E-01	3.05E+00	3.05E+01	<0.1	n/a	n/a	n/a
211	1	Cesium-137	1.67E+00	pCi/g	1.5E-05	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
211	1	Neptunium-237	5.93E+00	pCi/g	2.3E-05	2.53E-01	2.53E+00	2.53E+01	n/a	n/a	n/a	n/a
211	1	Uranium-234	6.69E+01	pCi/g	3.3E-06	2.01E+01	2.01E+02	2.01E+03	n/a	n/a	n/a	n/a
211	1	Uranium-238	1.19E+02	pCi/g	7.2E-05	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
224	1	PAH, Total	5.95E-01	mg/kg	6.7E-06	8.94E-02	8.94E-01	8.94E+00	<0.1	n/a	n/a	n/a
224	1	Uranium-238	1.39E+01	pCi/g	8.4E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a
225	1	Uranium-238	2.04E+00	pCi/g	1.2E-06	1.65E+00	1.65E+01	1.65E+02	n/a	n/a	n/a	n/a

Grayed cells indicate EPC value is lower than RGO value or an RGO value is not applicable.

n/a = Not applicable because the COC was not applicable (i.e., the COC was of concern for HI but not ELCR or it was of concern for ELCR by not HI).

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
13	2	Uranium-238	1.40E+00	pCi/g	1.2E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
13	4	PAH, Total	4.13E-01	mg/kg	6.4E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
13	4	PCB, Total	1.05E+01	mg/kg	4.6E-05	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
13	4	Uranium-238	1.78E+00	pCi/g	1.5E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
13	5	PAH, Total	4.41E-01	mg/kg	6.8E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
13	5	PCB, Total	6.66E+00	mg/kg	2.9E-05	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
13	5	Neptunium-237	3.88E-01	pCi/g	1.2E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
13	5	Technetium-99	1.07E+02	pCi/g	1.7E-06	6.11E+01	6.11E+02	6.11E+03	n/a	n/a	n/a	n/a
13	5	Uranium-234	2.57E+01	pCi/g	8.5E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
13	5	Uranium-235	2.95E+00	pCi/g	6.7E-06	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
13	5	Uranium-238	4.60E+01	pCi/g	3.9E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
13	6	PAH, Total	6.51E-01	mg/kg	1.0E-05	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
13	6	PCB, Total	1.08E+01	mg/kg	4.7E-05	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
13	6	Neptunium-237	1.25E+00	pCi/g	4.0E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
13	6	Technetium-99	9.50E+01	pCi/g	1.6E-06	6.11E+01	6.11E+02	6.11E+03	n/a	n/a	n/a	n/a
13	6	Uranium-234	2.04E+01	pCi/g	6.7E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
13	6	Uranium-235	1.40E+00	pCi/g	3.2E-06	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
13	6	Uranium-238	4.17E+01	pCi/g	3.5E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
13	7	Uranium-238	1.30E+00	pCi/g	1.1E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
13	9	Neptunium-237	6.88E-01	pCi/g	2.2E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
13	9	Uranium-238	4.07E+00	pCi/g	3.4E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
13	11	PCB, Total	1.03E+01	mg/kg	4.5E-05	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
13	14	PCB, Total	6.46E+00	mg/kg	2.8E-05	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
13	14	Uranium-238	2.07E+00	pCi/g	1.7E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	1	Antimony	7.49E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.6	1.32E+01	1.32E+02	3.95E+02
15	1	Arsenic	1.27E+01	mg/kg	2.5E-05	5.04E-01	5.04E+00	5.04E+01	0.2	8.09E+00	8.09E+01	2.43E+02
15	1	Iron	2.95E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
15	1	PAH, Total	1.71E+00	mg/kg	2.6E-05	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
15	1	Uranium-238	1.85E+00	pCi/g	1.6E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	2	Antimony	9.83E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.7	1.32E+01	1.32E+02	3.95E+02
15	2	Arsenic	1.63E+01	mg/kg	3.2E-05	5.04E-01	5.04E+00	5.04E+01	0.2	8.09E+00	8.09E+01	2.43E+02
15	2	Iron	3.89E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
15	2	PAH, Total	2.11E+00	mg/kg	3.2E-05	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	2	PCB, Total	3.30E-01	mg/kg	1.4E-06	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
15	2	Uranium	1.32E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.80E+01	9.80E+02	2.94E+03
15	2	Uranium-234	6.51E+00	pCi/g	2.2E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
15	2	Uranium-238	1.21E+01	pCi/g	1.0E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	3	Antimony	7.10E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.5	1.32E+01	1.32E+02	3.95E+02
15	3	Arsenic	2.74E+01	mg/kg	5.4E-05	5.04E-01	5.04E+00	5.04E+01	0.3	8.09E+00	8.09E+01	2.43E+02
15	3	Cobalt	3.41E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.3	9.82E+00	9.82E+01	2.95E+02
15	3	Copper	1.60E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	1.32E+03	1.32E+04	3.95E+04
15	3	Iron	9.20E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.4	2.30E+04	2.30E+05	6.91E+05
15	3	Manganese	1.60E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	7.57E+02	7.57E+03	2.27E+04
15	3	Mercury	1.05E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.86E+00	9.86E+01	2.96E+02
15	3	Nickel	8.38E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	6.45E+02	6.45E+03	1.93E+04
15	3	PAH, Total	1.45E+00	mg/kg	2.2E-05	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
15	3	PCB, Total	6.82E+00	mg/kg	3.0E-05	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
15	3	Uranium	2.16E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.80E+01	9.80E+02	2.94E+03
15	3	Neptunium-237	3.24E+00	pCi/g	1.0E-05	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
15	3	Technetium-99	2.90E+02	pCi/g	4.7E-06	6.11E+01	6.11E+02	6.11E+03	n/a	n/a	n/a	n/a
15	3	Thorium-230	5.14E+00	pCi/g	1.9E-06	2.68E+00	2.68E+01	2.68E+02	n/a	n/a	n/a	n/a
15	3	Uranium-234	1.40E+02	pCi/g	4.6E-05	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
15	3	Uranium-235	1.49E+01	pCi/g	3.4E-05	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
15	3	Uranium-238	8.68E+02	pCi/g	7.3E-04	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	4	Antimony	7.63E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.6	1.32E+01	1.32E+02	3.95E+02
15	4	Arsenic	3.37E+01	mg/kg	6.7E-05	5.04E-01	5.04E+00	5.04E+01	0.4	8.09E+00	8.09E+01	2.43E+02
15	4	Iron	6.90E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.3	2.30E+04	2.30E+05	6.91E+05
15	4	Manganese	1.29E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	7.57E+02	7.57E+03	2.27E+04
15	4	Mercury	3.04E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.3	9.86E+00	9.86E+01	2.96E+02
15	4	Nickel	1.24E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	6.45E+02	6.45E+03	1.93E+04
15	4	PAH, Total	1.75E+00	mg/kg	2.7E-05	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
15	4	PCB, Total	3.13E+01	mg/kg	1.4E-04	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
15	4	Uranium	1.29E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.80E+01	9.80E+02	2.94E+03
15	4	Neptunium-237	6.60E-01	pCi/g	2.1E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
15	4	Uranium-234	7.93E+00	pCi/g	2.6E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
15	4	Uranium-238	1.35E+01	pCi/g	1.1E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	5	Antimony	1.01E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.8	1.32E+01	1.32E+02	3.95E+02

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	5	Arsenic	1.28E+01	mg/kg	2.5E-05	5.04E-01	5.04E+00	5.04E+01	0.2	8.09E+00	8.09E+01	2.43E+02
15	5	Copper	5.63E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.4	1.32E+03	1.32E+04	3.95E+04
15	5	PAH, Total	5.11E-01	mg/kg	7.9E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
15	5	PCB, Total	2.51E+01	mg/kg	1.1E-04	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
15	5	Uranium	1.76E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.80E+01	9.80E+02	2.94E+03
15	5	Neptunium-237	6.90E-01	pCi/g	2.2E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
15	5	Uranium-235	4.60E-01	pCi/g	1.1E-06	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
15	5	Uranium-238	1.03E+01	pCi/g	8.7E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	6	Antimony	8.85E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.7	1.32E+01	1.32E+02	3.95E+02
15	6	Arsenic	1.24E+01	mg/kg	2.5E-05	5.04E-01	5.04E+00	5.04E+01	0.2	8.09E+00	8.09E+01	2.43E+02
15	6	Cobalt	1.62E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.82E+00	9.82E+01	2.95E+02
15	6	Iron	3.29E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
15	6	PAH, Total	1.62E+00	mg/kg	2.5E-05	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
15	6	PCB, Total	6.17E+00	mg/kg	2.7E-05	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
15	6	Neptunium-237	6.40E-01	pCi/g	2.1E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
15	6	Uranium-234	8.74E+00	pCi/g	2.9E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
15	6	Uranium-235	5.70E-01	pCi/g	1.3E-06	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
15	6	Uranium-238	1.54E+01	pCi/g	1.3E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	7	Antimony	1.37E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	1	1.32E+01	1.32E+02	3.95E+02
15	7	Arsenic	1.61E+01	mg/kg	3.2E-05	5.04E-01	5.04E+00	5.04E+01	0.2	8.09E+00	8.09E+01	2.43E+02
15	7	Iron	3.42E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
15	7	Manganese	1.18E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	7.57E+02	7.57E+03	2.27E+04
15	7	PAH, Total	1.59E-01	mg/kg	2.4E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
15	7	PCB, Total	2.57E+01	mg/kg	1.1E-04	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
15	7	Uranium-234	6.49E+00	pCi/g	2.1E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
15	7	Uranium-235	4.50E-01	pCi/g	1.0E-06	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
15	7	Uranium-238	8.05E+00	pCi/g	6.8E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	8	Antimony	7.42E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.6	1.32E+01	1.32E+02	3.95E+02
15	8	Arsenic	1.17E+01	mg/kg	2.3E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
15	8	Iron	2.83E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
15	8	Mercury	1.01E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.86E+00	9.86E+01	2.96E+02
15	8	PAH, Total	3.59E-01	mg/kg	5.5E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
15	8	PCB, Total	5.01E+00	mg/kg	2.2E-05	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
15	8	Neptunium-237	3.65E-01	pCi/g	1.2E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	8	Uranium-238	6.64E+00	pCi/g	5.6E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	9	Antimony	1.12E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.8	1.32E+01	1.32E+02	3.95E+02
15	9	Arsenic	1.10E+01	mg/kg	2.2E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
15	9	Iron	2.76E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
15	9	PAH, Total	2.38E-01	mg/kg	3.7E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
15	9	PCB, Total	6.31E+00	mg/kg	2.8E-05	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
15	9	Uranium-238	7.12E+00	pCi/g	6.0E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	10	Antimony	1.25E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.9	1.32E+01	1.32E+02	3.95E+02
15	10	PAH, Total	1.28E-01	mg/kg	2.0E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
26	1	PAH, Total	1.97E-01	mg/kg	3.0E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
26	1	PCB, Total	9.40E+00	mg/kg	4.1E-05	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
26	1	Uranium-234	7.78E+00	pCi/g	2.6E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
26	1	Uranium-235	1.23E+00	pCi/g	2.8E-06	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
26	1	Uranium-238	6.75E+01	pCi/g	5.7E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
26	2	Arsenic	4.23E+01	mg/kg	8.4E-05	5.04E-01	5.04E+00	5.04E+01	0.5	8.09E+00	8.09E+01	2.43E+02
26	2	Cobalt	6.59E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.7	9.82E+00	9.82E+01	2.95E+02
26	2	Iron	5.20E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
26	2	PCB, Total	3.25E+00	mg/kg	1.4E-05	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
26	2	Thallium	2.38E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	7.2	3.29E-01	3.29E+00	9.86E+00
26	2	Uranium	7.18E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.7	9.80E+01	9.80E+02	2.94E+03
26	2	Cesium-137	9.52E+00	pCi/g	6.3E-05	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
26	2	Radium-228	1.69E+00	pCi/g	9.6E-06	1.76E-01	1.76E+00	1.76E+01	n/a	n/a	n/a	n/a
26	2	Thorium-230	3.59E+00	pCi/g	1.3E-06	2.68E+00	2.68E+01	2.68E+02	n/a	n/a	n/a	n/a
26	2	Uranium-234	1.98E+01	pCi/g	6.5E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
26	2	Uranium-235	2.36E+00	pCi/g	5.4E-06	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
26	2	Uranium-238	5.01E+01	pCi/g	4.2E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
26	3	Arsenic	7.56E+01	mg/kg	1.5E-04	5.04E-01	5.04E+00	5.04E+01	0.9	8.09E+00	8.09E+01	2.43E+02
26	3	Iron	3.46E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
26	3	PAH, Total	3.30E-01	mg/kg	5.1E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
26	3	PCB, Total	8.91E+00	mg/kg	3.9E-05	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
26	3	Thallium	3.68E+00	mg/kg	<1.0E-06	n/a	n/a	n/a	1.1	3.29E-01	3.29E+00	9.86E+00
26	3	Uranium	2.05E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.80E+01	9.80E+02	2.94E+03
26	3	Cesium-137	4.51E+00	pCi/g	3.0E-05	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
26	3	Neptunium-237	3.70E-01	pCi/g	1.2E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
26	3	Uranium-234	5.02E+00	pCi/g	1.7E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
26	3	Uranium-238	7.00E+00	pCi/g	5.9E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
26	4	Arsenic	6.01E+01	mg/kg	1.2E-04	5.04E-01	5.04E+00	5.04E+01	0.7	8.09E+00	8.09E+01	2.43E+02
26	4	Iron	2.81E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
26	4	Mercury	7.33E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.7	9.86E+00	9.86E+01	2.96E+02
26	4	PAH, Total	5.53E+00	mg/kg	8.5E-05	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
26	4	PCB, Total	7.95E+00	mg/kg	3.5E-05	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
26	4	Uranium	1.47E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	1.5	9.80E+01	9.80E+02	2.94E+03
26	4	Cesium-137	1.02E+00	pCi/g	6.7E-06	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
26	4	Neptunium-237	2.80E+00	pCi/g	9.0E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
26	4	Plutonium-239/240	1.35E+01	pCi/g	6.9E-06	1.96E+00	1.96E+01	1.96E+02	n/a	n/a	n/a	n/a
26	4	Technetium-99	8.36E+02	pCi/g	1.4E-05	6.11E+01	6.11E+02	6.11E+03	n/a	n/a	n/a	n/a
26	4	Thorium-230	5.48E+01	pCi/g	2.0E-05	2.68E+00	2.68E+01	2.68E+02	n/a	n/a	n/a	n/a
26	4	Uranium-234	2.15E+02	pCi/g	7.1E-05	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
26	4	Uranium-235	1.52E+01	pCi/g	3.5E-05	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
26	4	Uranium-238	8.49E+02	pCi/g	7.1E-04	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
77	1	Iron	5.03E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
77	1	PAH, Total	7.02E-02	mg/kg	1.1E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
77	1	PCB, Total	5.00E+00	mg/kg	2.2E-05	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
77	1	Uranium	6.66E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.7	9.80E+01	9.80E+02	2.94E+03
77	1	Vanadium	1.68E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	1.65E+02	1.65E+03	4.95E+03
77	1	Thorium-230	1.03E+01	pCi/g	3.8E-06	2.68E+00	2.68E+01	2.68E+02	n/a	n/a	n/a	n/a
77	1	Uranium-238	1.53E+01	pCi/g	1.3E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
80	1	Dioxins/Furans, Total	8.82E-05	mg/kg	1.5E-05	5.82E-06	5.82E-05	5.82E-04	0.4	2.30E-05	2.30E-04	6.91E-04
80	1	PCB, Total	1.20E+02	mg/kg	5.2E-04	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
80	2	Antimony	5.82E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.4	1.32E+01	1.32E+02	3.95E+02
80	2	Cobalt	1.90E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.82E+00	9.82E+01	2.95E+02
80	2	Iron	3.52E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
80	2	PAH, Total	7.21E-01	mg/kg	1.1E-05	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
80	2	PCB, Total	1.26E+01	mg/kg	5.5E-05	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
80	2	Uranium	5.72E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	5.8	9.80E+01	9.80E+02	2.94E+03
80	2	Americium-241	6.40E+00	pCi/g	3.2E-06	2.02E+00	2.02E+01	2.02E+02	n/a	n/a	n/a	n/a
80	2	Cesium-137	8.40E-01	pCi/g	5.5E-06	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
80	2	Neptunium-237	5.05E-01	pCi/g	1.6E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
80	2	Uranium-234	2.29E+02	pCi/g	7.6E-05	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
80	2	Uranium-235	3.00E+01	pCi/g	6.9E-05	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
80	2	Uranium-238	1.92E+03	pCi/g	1.6E-03	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
80	3	PCB, Total	5.66E+02	mg/kg	2.5E-03	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
80	3	Uranium-238	1.59E+00	pCi/g	1.3E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	1	PAH, Total	4.93E-01	mg/kg	7.6E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
204	1	Uranium-238	1.27E+00	pCi/g	1.1E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	2	Arsenic	4.59E+01	mg/kg	9.1E-05	5.04E-01	5.04E+00	5.04E+01	0.6	8.09E+00	8.09E+01	2.43E+02
204	2	Uranium-238	3.92E+00	pCi/g	3.3E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	3	Uranium-238	2.31E+00	pCi/g	1.9E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	4	Uranium-238	1.82E+00	pCi/g	1.5E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	5	Arsenic	5.67E+01	mg/kg	1.1E-04	5.04E-01	5.04E+00	5.04E+01	0.7	8.09E+00	8.09E+01	2.43E+02
204	5	Uranium-238	5.65E+00	pCi/g	4.7E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	6	Uranium-238	3.63E+00	pCi/g	3.1E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	7	Uranium-238	2.04E+00	pCi/g	1.7E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	8	PAH, Total	7.37E-02	mg/kg	1.1E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
204	8	Uranium-238	2.01E+00	pCi/g	1.7E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	9	PAH, Total	5.01E+00	mg/kg	7.7E-05	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
204	9	Uranium-238	2.22E+00	pCi/g	1.9E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	10	Uranium-238	3.15E+00	pCi/g	2.6E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	11	PAH, Total	8.95E-02	mg/kg	1.4E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
204	11	Uranium-238	3.09E+00	pCi/g	2.6E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	12	Uranium-238	3.26E+00	pCi/g	2.7E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	13	PAH, Total	5.05E-01	mg/kg	7.8E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
204	13	Uranium-238	2.98E+00	pCi/g	2.5E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	14	Arsenic	1.36E+02	mg/kg	2.7E-04	5.04E-01	5.04E+00	5.04E+01	1.7	8.09E+00	8.09E+01	2.43E+02
204	14	Iron	3.17E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
204	14	PAH, Total	1.28E-01	mg/kg	2.0E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
204	14	Uranium	1.34E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.80E+01	9.80E+02	2.94E+03
204	14	Uranium-238	4.25E+00	pCi/g	3.6E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	15	Cesium-137	6.30E-01	pCi/g	4.1E-06	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
204	15	Uranium-238	5.37E+00	pCi/g	4.5E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	17	Uranium-238	2.50E+00	pCi/g	2.1E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	18	Uranium-238	1.81E+00	pCi/g	1.5E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
204	19	PAH, Total	1.30E-01	mg/kg	2.0E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
204	19	Uranium-238	2.65E+00	pCi/g	2.2E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	20	PCB, Total	7.90E+01	mg/kg	3.5E-04	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
204	20	Uranium	1.31E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	13.3	9.80E+01	9.80E+02	2.94E+03
204	20	Americium-241	3.71E+00	pCi/g	1.8E-06	2.02E+00	2.02E+01	2.02E+02	n/a	n/a	n/a	n/a
204	20	Cesium-137	1.17E+00	pCi/g	7.7E-06	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
204	20	Protactinium-231	3.65E+01	pCi/g	4.0E-05	9.13E-01	9.13E+00	9.13E+01	n/a	n/a	n/a	n/a
204	20	Uranium-234	4.45E+02	pCi/g	1.5E-04	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
204	20	Uranium-235	5.70E+01	pCi/g	1.3E-04	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
204	20	Uranium-238	4.39E+03	pCi/g	3.7E-03	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
211	1	PAH, Total	1.04E-01	mg/kg	1.6E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
211	1	PCB, Total	3.60E-01	mg/kg	1.6E-06	2.29E-01	2.29E+00	2.29E+01	<0.1	n/a	n/a	n/a
211	1	Cesium-137	1.67E+00	pCi/g	1.1E-05	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
211	1	Neptunium-237	5.93E+00	pCi/g	1.9E-05	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
211	1	Uranium-234	6.69E+01	pCi/g	2.2E-05	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
211	1	Uranium-238	1.19E+02	pCi/g	1.0E-04	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
224	1	PAH, Total	5.95E-01	mg/kg	9.2E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
224	1	Uranium-238	1.39E+01	pCi/g	1.2E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
225	1	PAH, Total	7.79E-02	mg/kg	1.2E-06	6.50E-02	6.50E-01	6.50E+00	<0.1	n/a	n/a	n/a
225	1	Uranium-238	2.04E+00	pCi/g	1.7E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a

Grayed cells indicate EPC value is lower than RGO value or an RGO value is not applicable.

n/a = Not applicable because the COC was not applicable (i.e., the COC was of concern for HI but not ELCR or it was of concern for ELCR by not HI).

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
13	2	Arsenic	1.04E+01	mg/kg	2.1E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
13	3	PAH, Total	4.93E-01	mg/kg	7.6E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
13	4	PAH, Total	5.59E-01	mg/kg	8.6E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
13	4	PCB, Total	1.09E+01	mg/kg	4.8E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
13	4	Uranium-238	3.27E+00	pCi/g	2.7E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
13	5	PAH, Total	5.43E-01	mg/kg	8.4E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
13	5	PCB, Total	1.03E+01	mg/kg	4.5E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
13	5	Cesium-137	3.52E-01	pCi/g	2.3E-06	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
13	5	Neptunium-237	3.60E-01	pCi/g	1.2E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
13	5	Technetium-99	9.19E+01	pCi/g	1.5E-06	6.11E+01	6.11E+02	6.11E+03	n/a	n/a	n/a	n/a
13	5	Uranium-234	2.02E+01	pCi/g	6.7E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
13	5	Uranium-235	2.73E+00	pCi/g	6.3E-06	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
13	5	Uranium-238	3.77E+01	pCi/g	3.2E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
13	6	PAH, Total	8.43E-01	mg/kg	1.3E-05	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
13	6	PCB, Total	7.04E+00	mg/kg	3.1E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
13	6	Cesium-137	2.02E-01	pCi/g	1.3E-06	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
13	6	Neptunium-237	6.23E-01	pCi/g	2.0E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
13	6	Technetium-99	8.38E+01	pCi/g	1.4E-06	6.11E+01	6.11E+02	6.11E+03	n/a	n/a	n/a	n/a
13	6	Uranium-234	1.55E+01	pCi/g	5.1E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
13	6	Uranium-235	1.16E+00	pCi/g	2.7E-06	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
13	6	Uranium-238	3.25E+01	pCi/g	2.7E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
13	7	PCB, Total	1.08E+01	mg/kg	4.7E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
13	7	Uranium-238	3.69E+00	pCi/g	3.1E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
13	8	PAH, Total	5.39E-01	mg/kg	8.3E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
13	9	Arsenic	1.25E+01	mg/kg	2.5E-05	5.04E-01	5.04E+00	5.04E+01	0.2	8.09E+00	8.09E+01	2.43E+02
13	9	PAH, Total	4.60E-01	mg/kg	7.1E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
13	9	Cesium-137	2.64E-01	pCi/g	1.7E-06	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
13	9	Neptunium-237	5.15E-01	pCi/g	1.6E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
13	9	Uranium-238	3.78E+00	pCi/g	3.2E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
13	11	PCB, Total	1.03E+01	mg/kg	4.5E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
13	12	PCB, Total	1.03E+01	mg/kg	4.5E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
13	14	PAH, Total	5.41E-01	mg/kg	8.3E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
13	14	PCB, Total	1.06E+01	mg/kg	4.6E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
13	14	Uranium-238	3.85E+00	pCi/g	3.2E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	1	Antimony	1.08E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.8	1.32E+01	1.32E+02	3.95E+02
15	1	Arsenic	1.32E+01	mg/kg	2.6E-05	5.04E-01	5.04E+00	5.04E+01	0.2	8.09E+00	8.09E+01	2.43E+02
15	1	Cadmium	2.72E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.53E+01	2.53E+02	7.60E+02
15	1	Iron	2.97E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
15	1	PAH, Total	1.16E+00	mg/kg	1.8E-05	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
15	1	Thallium	1.31E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	4	3.29E-01	3.29E+00	9.86E+00
15	1	Technetium-99	1.06E+02	pCi/g	1.7E-06	6.11E+01	6.11E+02	6.11E+03	n/a	n/a	n/a	n/a
15	1	Uranium-238	1.30E+00	pCi/g	1.1E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	2	Antimony	1.08E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.8	1.32E+01	1.32E+02	3.95E+02
15	2	Arsenic	1.63E+01	mg/kg	3.2E-05	5.04E-01	5.04E+00	5.04E+01	0.2	8.09E+00	8.09E+01	2.43E+02
15	2	Iron	3.89E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
15	2	Manganese	1.37E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	7.57E+02	7.57E+03	2.27E+04
15	2	PAH, Total	2.11E+00	mg/kg	3.2E-05	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
15	2	PCB, Total	3.30E-01	mg/kg	1.4E-06	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
15	2	Thallium	3.50E-01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	3.29E-01	3.29E+00	9.86E+00
15	2	Uranium	1.32E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.80E+01	9.80E+02	2.94E+03
15	2	Neptunium-237	5.56E-01	pCi/g	1.8E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
15	2	Uranium-234	6.51E+00	pCi/g	2.2E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
15	2	Uranium-238	1.21E+01	pCi/g	1.0E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	3	Antimony	1.15E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.9	1.32E+01	1.32E+02	3.95E+02
15	3	Arsenic	3.65E+01	mg/kg	7.2E-05	5.04E-01	5.04E+00	5.04E+01	0.5	8.09E+00	8.09E+01	2.43E+02
15	3	Cobalt	2.37E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.82E+00	9.82E+01	2.95E+02
15	3	Copper	1.60E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	1.32E+03	1.32E+04	3.95E+04
15	3	Iron	9.52E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.4	2.30E+04	2.30E+05	6.91E+05
15	3	Manganese	1.62E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	7.57E+02	7.57E+03	2.27E+04
15	3	Mercury	2.08E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.86E+00	9.86E+01	2.96E+02
15	3	Nickel	8.38E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	6.45E+02	6.45E+03	1.93E+04
15	3	PAH, Total	9.85E-01	mg/kg	1.5E-05	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
15	3	PCB, Total	1.40E+01	mg/kg	6.1E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
15	3	Thallium	1.64E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	5	3.29E-01	3.29E+00	9.86E+00
15	3	Uranium	2.16E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.80E+01	9.80E+02	2.94E+03
15	3	Neptunium-237	4.06E+00	pCi/g	1.3E-05	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	3	Technetium-99	2.08E+02	pCi/g	3.4E-06	6.11E+01	6.11E+02	6.11E+03	n/a	n/a	n/a	n/a
15	3	Thorium-230	4.61E+00	pCi/g	1.7E-06	2.68E+00	2.68E+01	2.68E+02	n/a	n/a	n/a	n/a
15	3	Uranium-234	1.91E+02	pCi/g	6.3E-05	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
15	3	Uranium-235	2.15E+01	pCi/g	4.9E-05	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
15	3	Uranium-238	1.08E+03	pCi/g	9.0E-04	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	4	Antimony	9.30E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.7	1.32E+01	1.32E+02	3.95E+02
15	4	Arsenic	3.37E+01	mg/kg	6.7E-05	5.04E-01	5.04E+00	5.04E+01	0.4	8.09E+00	8.09E+01	2.43E+02
15	4	Iron	6.97E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.3	2.30E+04	2.30E+05	6.91E+05
15	4	Manganese	1.29E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	7.57E+02	7.57E+03	2.27E+04
15	4	Mercury	5.08E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.5	9.86E+00	9.86E+01	2.96E+02
15	4	Nickel	1.24E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	6.45E+02	6.45E+03	1.93E+04
15	4	PAH, Total	1.25E+00	mg/kg	1.9E-05	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
15	4	PCB, Total	3.13E+01	mg/kg	1.4E-04	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
15	4	Thallium	2.06E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	6.3	3.29E-01	3.29E+00	9.86E+00
15	4	Uranium	1.29E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.80E+01	9.80E+02	2.94E+03
15	4	Neptunium-237	4.33E-01	pCi/g	1.4E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
15	4	Uranium-234	5.74E+00	pCi/g	1.9E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
15	4	Uranium-238	9.63E+00	pCi/g	8.1E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	5	Antimony	1.22E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.9	1.32E+01	1.32E+02	3.95E+02
15	5	Arsenic	1.33E+01	mg/kg	2.6E-05	5.04E-01	5.04E+00	5.04E+01	0.2	8.09E+00	8.09E+01	2.43E+02
15	5	Copper	5.63E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.4	1.32E+03	1.32E+04	3.95E+04
15	5	Iron	2.31E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
15	5	Mercury	1.96E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.86E+00	9.86E+01	2.96E+02
15	5	PAH, Total	3.31E-01	mg/kg	5.1E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
15	5	PCB, Total	4.64E+01	mg/kg	2.0E-04	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
15	5	Uranium	1.74E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.80E+01	9.80E+02	2.94E+03
15	5	Neptunium-237	5.30E-01	pCi/g	1.7E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
15	5	Uranium-238	8.14E+00	pCi/g	6.8E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	6	Antimony	9.94E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.8	1.32E+01	1.32E+02	3.95E+02
15	6	Arsenic	1.20E+01	mg/kg	2.4E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
15	6	Cobalt	1.13E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.82E+00	9.82E+01	2.95E+02
15	6	Iron	3.29E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
15	6	Mercury	1.87E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.86E+00	9.86E+01	2.96E+02

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	6	PAH, Total	1.25E+00	mg/kg	1.9E-05	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
15	6	PCB, Total	6.17E+00	mg/kg	2.7E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
15	6	Neptunium-237	4.93E-01	pCi/g	1.6E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
15	6	Uranium-234	6.91E+00	pCi/g	2.3E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
15	6	Uranium-235	4.48E-01	pCi/g	1.0E-06	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
15	6	Uranium-238	1.21E+01	pCi/g	1.0E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	7	Antimony	1.41E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	1.1	1.32E+01	1.32E+02	3.95E+02
15	7	Arsenic	1.61E+01	mg/kg	3.2E-05	5.04E-01	5.04E+00	5.04E+01	0.2	8.09E+00	8.09E+01	2.43E+02
15	7	Cadmium	2.78E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.53E+01	2.53E+02	7.60E+02
15	7	Iron	3.45E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
15	7	Manganese	1.17E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	7.57E+02	7.57E+03	2.27E+04
15	7	PAH, Total	1.24E-01	mg/kg	1.9E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
15	7	PCB, Total	2.55E+01	mg/kg	1.1E-04	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
15	7	Uranium-234	4.27E+00	pCi/g	1.4E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
15	7	Uranium-238	6.39E+00	pCi/g	5.4E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	8	Antimony	9.93E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.8	1.32E+01	1.32E+02	3.95E+02
15	8	Arsenic	1.14E+01	mg/kg	2.3E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
15	8	Iron	2.83E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
15	8	Mercury	1.73E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.86E+00	9.86E+01	2.96E+02
15	8	PAH, Total	2.80E-01	mg/kg	4.3E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
15	8	PCB, Total	6.29E+00	mg/kg	2.7E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
15	8	Uranium-238	4.52E+00	pCi/g	3.8E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	9	Antimony	1.22E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.9	1.32E+01	1.32E+02	3.95E+02
15	9	Arsenic	1.31E+01	mg/kg	2.6E-05	5.04E-01	5.04E+00	5.04E+01	0.2	8.09E+00	8.09E+01	2.43E+02
15	9	Cadmium	2.81E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.53E+01	2.53E+02	7.60E+02
15	9	Iron	3.02E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
15	9	Manganese	1.57E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	7.57E+02	7.57E+03	2.27E+04
15	9	Mercury	1.74E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.86E+00	9.86E+01	2.96E+02
15	9	PAH, Total	1.85E-01	mg/kg	2.8E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
15	9	PCB, Total	6.51E+00	mg/kg	2.8E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
15	9	Uranium-238	4.68E+00	pCi/g	3.9E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
15	10	Antimony	1.26E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	1	1.32E+01	1.32E+02	3.95E+02
15	10	Arsenic	9.75E+00	mg/kg	1.9E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	10	PAH, Total	1.28E-01	mg/kg	2.0E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
26	1	Antimony	7.32E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.6	1.32E+01	1.32E+02	3.95E+02
26	1	Arsenic	1.01E+01	mg/kg	2.0E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
26	1	Cobalt	1.17E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.82E+00	9.82E+01	2.95E+02
26	1	Iron	2.93E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
26	1	Manganese	8.52E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	7.57E+02	7.57E+03	2.27E+04
26	1	Mercury	5.65E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.6	9.86E+00	9.86E+01	2.96E+02
26	1	PAH, Total	2.97E-01	mg/kg	4.6E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
26	1	PCB, Total	6.35E+00	mg/kg	2.8E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
26	1	Uranium	6.70E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.7	9.80E+01	9.80E+02	2.94E+03
26	1	Uranium-234	8.04E+00	pCi/g	2.7E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
26	1	Uranium-235	1.27E+00	pCi/g	2.9E-06	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
26	1	Uranium-238	6.95E+01	pCi/g	5.8E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
26	2	Antimony	2.73E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	2.1	1.32E+01	1.32E+02	3.95E+02
26	2	Arsenic	4.78E+01	mg/kg	9.5E-05	5.04E-01	5.04E+00	5.04E+01	0.6	8.09E+00	8.09E+01	2.43E+02
26	2	Cobalt	4.72E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.5	9.82E+00	9.82E+01	2.95E+02
26	2	Iron	4.46E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
26	2	Manganese	9.14E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	7.57E+02	7.57E+03	2.27E+04
26	2	Mercury	2.36E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.86E+00	9.86E+01	2.96E+02
26	2	PAH, Total	3.85E-01	mg/kg	5.9E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
26	2	PCB, Total	8.33E+00	mg/kg	3.6E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
26	2	Thallium	1.68E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	5.1	3.29E-01	3.29E+00	9.86E+00
26	2	Uranium	1.15E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	1.2	9.80E+01	9.80E+02	2.94E+03
26	2	Cesium-137	8.23E+00	pCi/g	5.4E-05	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
26	2	Radium-228	1.69E+00	pCi/g	9.6E-06	1.76E-01	1.76E+00	1.76E+01	n/a	n/a	n/a	n/a
26	2	Thorium-230	3.02E+00	pCi/g	1.1E-06	2.68E+00	2.68E+01	2.68E+02	n/a	n/a	n/a	n/a
26	2	Uranium-234	1.41E+01	pCi/g	4.7E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
26	2	Uranium-235	1.84E+00	pCi/g	4.2E-06	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
26	2	Uranium-238	3.92E+01	pCi/g	3.3E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
26	3	Antimony	6.79E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.5	1.32E+01	1.32E+02	3.95E+02
26	3	Arsenic	7.52E+01	mg/kg	1.5E-04	5.04E-01	5.04E+00	5.04E+01	0.9	8.09E+00	8.09E+01	2.43E+02
26	3	Iron	3.45E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
26	3	Mercury	1.79E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.86E+00	9.86E+01	2.96E+02

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
26	3	PAH, Total	3.47E-01	mg/kg	5.3E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
26	3	PCB, Total	5.51E+00	mg/kg	2.4E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
26	3	Pentachlorophenol	1.61E+00	mg/kg	2.0E-06	8.20E-01	8.20E+00	8.20E+01	<0.1	n/a	n/a	n/a
26	3	Thallium	2.51E+00	mg/kg	<1.0E-06	n/a	n/a	n/a	0.8	3.29E-01	3.29E+00	9.86E+00
26	3	Uranium	2.05E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.80E+01	9.80E+02	2.94E+03
26	3	Cesium-137	3.38E+00	pCi/g	2.2E-05	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
26	3	Neptunium-237	3.35E-01	pCi/g	1.1E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
26	3	Uranium-234	3.89E+00	pCi/g	1.3E-06	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
26	3	Uranium-238	5.86E+00	pCi/g	4.9E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
26	4	Antimony	7.32E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.6	1.32E+01	1.32E+02	3.95E+02
26	4	Arsenic	6.05E+01	mg/kg	1.2E-04	5.04E-01	5.04E+00	5.04E+01	0.7	8.09E+00	8.09E+01	2.43E+02
26	4	Cobalt	1.47E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.82E+00	9.82E+01	2.95E+02
26	4	Copper	3.24E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	1.32E+03	1.32E+04	3.95E+04
26	4	Iron	3.21E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
26	4	Manganese	7.87E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	7.57E+02	7.57E+03	2.27E+04
26	4	Mercury	1.90E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.86E+00	9.86E+01	2.96E+02
26	4	Nickel	1.21E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	1.9	6.45E+02	6.45E+03	1.93E+04
26	4	PAH, Total	4.28E+00	mg/kg	6.6E-05	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
26	4	PCB, Total	7.96E+00	mg/kg	3.5E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
26	4	Thallium	1.53E+00	mg/kg	<1.0E-06	n/a	n/a	n/a	0.5	3.29E-01	3.29E+00	9.86E+00
26	4	Uranium	1.34E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	1.4	9.80E+01	9.80E+02	2.94E+03
26	4	Cesium-137	4.69E+00	pCi/g	3.1E-05	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
26	4	Neptunium-237	3.87E+01	pCi/g	1.2E-04	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
26	4	Plutonium-239/240	1.51E+01	pCi/g	7.7E-06	1.96E+00	1.96E+01	1.96E+02	n/a	n/a	n/a	n/a
26	4	Technetium-99	3.81E+03	pCi/g	6.2E-05	6.11E+01	6.11E+02	6.11E+03	n/a	n/a	n/a	n/a
26	4	Thorium-230	8.68E+01	pCi/g	3.2E-05	2.68E+00	2.68E+01	2.68E+02	n/a	n/a	n/a	n/a
26	4	Uranium-234	3.46E+02	pCi/g	1.1E-04	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
26	4	Uranium-235	2.46E+01	pCi/g	5.6E-05	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
26	4	Uranium-238	8.24E+02	pCi/g	6.9E-04	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
77	1	Iron	5.03E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
77	1	PAH, Total	7.02E-02	mg/kg	1.1E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
77	1	PCB, Total	5.00E+00	mg/kg	2.2E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
77	1	Uranium	6.66E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.7	9.80E+01	9.80E+02	2.94E+03

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
77	1	Vanadium	1.68E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	1.65E+02	1.65E+03	4.95E+03
77	1	Thorium-230	1.03E+01	pCi/g	3.8E-06	2.68E+00	2.68E+01	2.68E+02	n/a	n/a	n/a	n/a
77	1	Uranium-238	1.53E+01	pCi/g	1.3E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
80	1	PCB, Total	1.20E+02	mg/kg	5.2E-04	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
80	2	Antimony	7.57E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.6	1.32E+01	1.32E+02	3.95E+02
80	2	Arsenic	1.01E+01	mg/kg	2.0E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
80	2	Cobalt	1.90E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.82E+00	9.82E+01	2.95E+02
80	2	Iron	3.52E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
80	2	Manganese	1.20E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	7.57E+02	7.57E+03	2.27E+04
80	2	PAH, Total	7.21E-01	mg/kg	1.1E-05	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
80	2	PCB, Total	1.26E+01	mg/kg	5.5E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
80	2	Uranium	5.72E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	5.8	9.80E+01	9.80E+02	2.94E+03
80	2	Americium-241	6.40E+00	pCi/g	3.2E-06	2.02E+00	2.02E+01	2.02E+02	n/a	n/a	n/a	n/a
80	2	Cesium-137	8.40E-01	pCi/g	5.5E-06	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
80	2	Neptunium-237	5.05E-01	pCi/g	1.6E-06	3.12E-01	3.12E+00	3.12E+01	n/a	n/a	n/a	n/a
80	2	Uranium-234	2.29E+02	pCi/g	7.6E-05	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
80	2	Uranium-235	3.00E+01	pCi/g	6.9E-05	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
80	2	Uranium-238	1.92E+03	pCi/g	1.6E-03	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
80	3	Antimony	9.99E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.8	1.32E+01	1.32E+02	3.95E+02
80	3	Arsenic	1.04E+01	mg/kg	2.1E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
80	3	Iron	3.41E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
80	3	Manganese	1.00E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	7.57E+02	7.57E+03	2.27E+04
80	3	Mercury	7.98E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.8	9.86E+00	9.86E+01	2.96E+02
80	3	PAH, Total	4.46E-01	mg/kg	6.9E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
80	3	PCB, Total	5.68E+02	mg/kg	2.5E-03	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
80	3	Uranium-238	2.91E+00	pCi/g	2.4E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	1	PAH, Total	4.93E-01	mg/kg	7.6E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
204	1	Uranium-238	1.37E+00	pCi/g	1.1E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	2	Arsenic	4.59E+01	mg/kg	9.1E-05	5.04E-01	5.04E+00	5.04E+01	0.6	8.09E+00	8.09E+01	2.43E+02
204	2	Uranium-238	2.85E+00	pCi/g	2.4E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	3	Arsenic	1.10E+01	mg/kg	2.2E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
204	3	Uranium-238	2.31E+00	pCi/g	1.9E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	4	Arsenic	1.10E+01	mg/kg	2.2E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
204	4	Uranium-238	1.82E+00	pCi/g	1.5E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	5	Arsenic	5.67E+01	mg/kg	1.1E-04	5.04E-01	5.04E+00	5.04E+01	0.7	8.09E+00	8.09E+01	2.43E+02
204	5	Cobalt	1.04E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.82E+00	9.82E+01	2.95E+02
204	5	Manganese	9.75E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	7.57E+02	7.57E+03	2.27E+04
204	5	Uranium-238	6.60E+00	pCi/g	5.5E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	6	Arsenic	1.00E+01	mg/kg	2.0E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
204	6	Uranium-238	3.63E+00	pCi/g	3.1E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	7	Arsenic	1.70E+01	mg/kg	3.4E-05	5.04E-01	5.04E+00	5.04E+01	0.2	8.09E+00	8.09E+01	2.43E+02
204	7	Uranium-238	2.04E+00	pCi/g	1.7E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	8	Arsenic	8.40E+00	mg/kg	1.7E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
204	8	PAH, Total	7.37E-02	mg/kg	1.1E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
204	8	Uranium-238	2.01E+00	pCi/g	1.7E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	9	Arsenic	8.40E+00	mg/kg	1.7E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
204	9	PAH, Total	5.01E+00	mg/kg	7.7E-05	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
204	9	Uranium-238	2.22E+00	pCi/g	1.9E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	10	Cesium-137	2.83E-01	pCi/g	1.9E-06	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
204	10	Uranium-238	3.15E+00	pCi/g	2.6E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	11	Arsenic	8.80E+00	mg/kg	1.7E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
204	11	PAH, Total	1.09E-01	mg/kg	1.7E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
204	11	Uranium-238	3.09E+00	pCi/g	2.6E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	12	Arsenic	9.80E+00	mg/kg	1.9E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
204	12	Cesium-137	2.93E-01	pCi/g	1.9E-06	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
204	12	Uranium-238	3.26E+00	pCi/g	2.7E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	13	Arsenic	8.60E+00	mg/kg	1.7E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
204	13	PAH, Total	5.05E-01	mg/kg	7.8E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
204	13	Cesium-137	2.89E-01	pCi/g	1.9E-06	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
204	13	Uranium-238	2.98E+00	pCi/g	2.5E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	14	Arsenic	1.36E+02	mg/kg	2.7E-04	5.04E-01	5.04E+00	5.04E+01	1.7	8.09E+00	8.09E+01	2.43E+02
204	14	Iron	3.52E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
204	14	Manganese	8.21E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	7.57E+02	7.57E+03	2.27E+04
204	14	PAH, Total	1.28E-01	mg/kg	2.0E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
204	14	Uranium	1.34E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.80E+01	9.80E+02	2.94E+03
204	14	Uranium-238	4.25E+00	pCi/g	3.6E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
204	15	PAH, Total	1.89E-01	mg/kg	2.9E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
204	15	Cesium-137	6.30E-01	pCi/g	4.1E-06	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
204	15	Uranium-238	5.37E+00	pCi/g	4.5E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	16	Arsenic	8.20E+00	mg/kg	1.6E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
204	17	Arsenic	9.60E+00	mg/kg	1.9E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
204	17	PAH, Total	1.49E-01	mg/kg	2.3E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
204	17	Uranium-238	2.50E+00	pCi/g	2.1E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	18	Uranium-238	1.81E+00	pCi/g	1.5E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	19	Arsenic	1.20E+01	mg/kg	2.4E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
204	19	PAH, Total	1.30E-01	mg/kg	2.0E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
204	19	Uranium-238	2.65E+00	pCi/g	2.2E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	20	Arsenic	1.40E+01	mg/kg	2.8E-05	5.04E-01	5.04E+00	5.04E+01	0.2	8.09E+00	8.09E+01	2.43E+02
204	20	Cobalt	1.30E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.82E+00	9.82E+01	2.95E+02
204	20	Iron	4.60E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
204	20	Manganese	8.39E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	7.57E+02	7.57E+03	2.27E+04
204	20	PCB, Total	7.90E+01	mg/kg	3.5E-04	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
204	20	Uranium	1.31E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	13.3	9.80E+01	9.80E+02	2.94E+03
204	20	Americium-241	3.71E+00	pCi/g	1.8E-06	2.02E+00	2.02E+01	2.02E+02	n/a	n/a	n/a	n/a
204	20	Cesium-137	1.17E+00	pCi/g	7.7E-06	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
204	20	Protactinium-231	3.65E+01	pCi/g	4.0E-05	9.13E-01	9.13E+00	9.13E+01	n/a	n/a	n/a	n/a
204	20	Uranium-234	4.45E+02	pCi/g	1.5E-04	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
204	20	Uranium-235	5.70E+01	pCi/g	1.3E-04	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a
204	20	Uranium-238	4.39E+03	pCi/g	3.7E-03	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
204	21	Arsenic	8.60E+00	mg/kg	1.7E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
211	1	Antimony	9.74E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.7	1.32E+01	1.32E+02	3.95E+02
211	1	Arsenic	1.00E+01	mg/kg	2.0E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
211	1	Cobalt	4.95E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.5	9.82E+00	9.82E+01	2.95E+02
211	1	Iron	4.71E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
211	1	PAH, Total	1.04E-01	mg/kg	1.6E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
211	1	PCB, Total	1.00E+01	mg/kg	4.4E-05	2.29E-01	2.29E+00	2.29E+01	n/a	n/a	n/a	n/a
211	1	Thallium	6.02E-01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	3.29E-01	3.29E+00	9.86E+00
211	1	Uranium-234	6.69E+01	pCi/g	2.2E-05	3.02E+00	3.02E+01	3.02E+02	n/a	n/a	n/a	n/a
211	1	Uranium-235	3.86E+00	pCi/g	8.8E-06	4.37E-01	4.37E+00	4.37E+01	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Outdoor Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
211	1	Uranium-238	1.19E+02	pCi/g	1.0E-04	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
224	1	Arsenic	1.00E+01	mg/kg	2.0E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
224	1	PAH, Total	5.95E-01	mg/kg	9.2E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
224	1	Cesium-137	3.70E-01	pCi/g	2.4E-06	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
224	1	Uranium-238	1.39E+01	pCi/g	1.2E-05	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a
225	1	Arsenic	8.10E+00	mg/kg	1.6E-05	5.04E-01	5.04E+00	5.04E+01	0.1	8.09E+00	8.09E+01	2.43E+02
225	1	PAH, Total	7.79E-02	mg/kg	1.2E-06	6.50E-02	6.50E-01	6.50E+00	n/a	n/a	n/a	n/a
225	1	Cesium-137	4.17E-01	pCi/g	2.7E-06	1.52E-01	1.52E+00	1.52E+01	n/a	n/a	n/a	n/a
225	1	Uranium-238	2.04E+00	pCi/g	1.7E-06	1.19E+00	1.19E+01	1.19E+02	n/a	n/a	n/a	n/a

Grayed cells indicate EPC value is lower than RGO value or an RGO value is not applicable.

n/a = Not applicable because the COC was not applicable (i.e., the COC was of concern for HI but not ELCR or it was of concern for ELCR by not HI).

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Excavation Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
13	2	Arsenic	1.04E+01	mg/kg	4.1E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
13	3	PAH, Total	4.93E-01	mg/kg	1.5E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
13	4	PAH, Total	5.59E-01	mg/kg	1.7E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
13	4	PCB, Total	1.09E+01	mg/kg	9.5E-06	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
13	5	PAH, Total	5.43E-01	mg/kg	1.7E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
13	5	PCB, Total	1.03E+01	mg/kg	9.0E-06	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
13	5	Uranium-234	2.02E+01	pCi/g	1.3E-06	1.51E+01	1.51E+02	1.51E+03	n/a	n/a	n/a	n/a
13	5	Uranium-235	2.73E+00	pCi/g	1.3E-06	2.18E+00	2.18E+01	2.18E+02	n/a	n/a	n/a	n/a
13	5	Uranium-238	3.77E+01	pCi/g	6.3E-06	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
13	6	PAH, Total	8.43E-01	mg/kg	2.6E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
13	6	PCB, Total	7.04E+00	mg/kg	6.1E-06	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
13	6	Uranium-234	1.55E+01	pCi/g	1.0E-06	1.51E+01	1.51E+02	1.51E+03	n/a	n/a	n/a	n/a
13	6	Uranium-238	3.25E+01	pCi/g	5.5E-06	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
13	7	PCB, Total	1.08E+01	mg/kg	9.5E-06	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
13	8	PAH, Total	5.39E-01	mg/kg	1.7E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
13	9	Arsenic	1.25E+01	mg/kg	4.9E-06	2.52E+00	2.52E+01	2.52E+02	0.2	8.09E+00	8.09E+01	2.43E+02
13	9	PAH, Total	4.60E-01	mg/kg	1.4E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
13	11	PCB, Total	1.03E+01	mg/kg	9.0E-06	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
13	12	PCB, Total	1.03E+01	mg/kg	9.0E-06	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
13	14	PAH, Total	5.41E-01	mg/kg	1.7E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
13	14	PCB, Total	1.06E+01	mg/kg	9.2E-06	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
15	1	Antimony	1.08E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.8	1.32E+01	1.32E+02	3.95E+02
15	1	Arsenic	1.32E+01	mg/kg	5.2E-06	2.52E+00	2.52E+01	2.52E+02	0.2	8.09E+00	8.09E+01	2.43E+02
15	1	Cadmium	2.72E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.53E+01	2.53E+02	7.60E+02
15	1	Iron	2.97E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
15	1	PAH, Total	1.16E+00	mg/kg	3.6E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
15	1	Thallium	1.31E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	4	3.29E-01	3.29E+00	9.86E+00
15	2	Antimony	1.08E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.8	1.32E+01	1.32E+02	3.95E+02
15	2	Arsenic	1.63E+01	mg/kg	6.4E-06	2.52E+00	2.52E+01	2.52E+02	0.2	8.09E+00	8.09E+01	2.43E+02
15	2	Iron	3.89E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
15	2	Manganese	1.37E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	7.57E+02	7.57E+03	2.27E+04
15	2	PAH, Total	2.11E+00	mg/kg	6.5E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
15	2	Thallium	3.50E-01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	3.29E-01	3.29E+00	9.86E+00

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Excavation Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	2	Uranium	1.32E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.80E+01	9.80E+02	2.94E+03
15	2	Uranium-238	1.21E+01	pCi/g	2.0E-06	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
15	3	Antimony	1.15E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.9	1.32E+01	1.32E+02	3.95E+02
15	3	Arsenic	3.65E+01	mg/kg	1.4E-05	2.52E+00	2.52E+01	2.52E+02	0.5	8.09E+00	8.09E+01	2.43E+02
15	3	Cobalt	2.37E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.82E+00	9.82E+01	2.95E+02
15	3	Copper	1.60E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	1.32E+03	1.32E+04	3.95E+04
15	3	Iron	9.52E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.4	2.30E+04	2.30E+05	6.91E+05
15	3	Manganese	1.62E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	7.57E+02	7.57E+03	2.27E+04
15	3	Mercury	2.08E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.86E+00	9.86E+01	2.96E+02
15	3	Nickel	8.38E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	6.45E+02	6.45E+03	1.93E+04
15	3	PAH, Total	9.85E-01	mg/kg	3.0E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
15	3	PCB, Total	1.40E+01	mg/kg	1.2E-05	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
15	3	Thallium	1.64E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	5	3.29E-01	3.29E+00	9.86E+00
15	3	Uranium	2.16E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.80E+01	9.80E+02	2.94E+03
15	3	Neptunium-237	4.06E+00	pCi/g	2.6E-06	1.56E+00	1.56E+01	1.56E+02	n/a	n/a	n/a	n/a
15	3	Uranium-234	1.91E+02	pCi/g	1.3E-05	1.51E+01	1.51E+02	1.51E+03	n/a	n/a	n/a	n/a
15	3	Uranium-235	2.15E+01	pCi/g	9.8E-06	2.18E+00	2.18E+01	2.18E+02	n/a	n/a	n/a	n/a
15	3	Uranium-238	1.08E+03	pCi/g	1.8E-04	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
15	4	Antimony	9.30E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.7	1.32E+01	1.32E+02	3.95E+02
15	4	Arsenic	3.37E+01	mg/kg	1.3E-05	2.52E+00	2.52E+01	2.52E+02	0.4	8.09E+00	8.09E+01	2.43E+02
15	4	Iron	6.97E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.3	2.30E+04	2.30E+05	6.91E+05
15	4	Manganese	1.29E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	7.57E+02	7.57E+03	2.27E+04
15	4	Mercury	5.08E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.5	9.86E+00	9.86E+01	2.96E+02
15	4	Nickel	1.24E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	6.45E+02	6.45E+03	1.93E+04
15	4	PAH, Total	1.25E+00	mg/kg	3.8E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
15	4	PCB, Total	3.13E+01	mg/kg	2.7E-05	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
15	4	Thallium	2.06E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	6.3	3.29E-01	3.29E+00	9.86E+00
15	4	Uranium	1.29E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.80E+01	9.80E+02	2.94E+03
15	4	Uranium-238	9.63E+00	pCi/g	1.6E-06	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
15	5	Antimony	1.22E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.9	1.32E+01	1.32E+02	3.95E+02
15	5	Arsenic	1.33E+01	mg/kg	5.3E-06	2.52E+00	2.52E+01	2.52E+02	0.2	8.09E+00	8.09E+01	2.43E+02
15	5	Copper	5.63E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.4	1.32E+03	1.32E+04	3.95E+04
15	5	Iron	2.31E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Excavation Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	5	Mercury	1.96E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.86E+00	9.86E+01	2.96E+02
15	5	PCB, Total	4.64E+01	mg/kg	4.1E-05	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
15	5	Uranium	1.74E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.80E+01	9.80E+02	2.94E+03
15	5	Uranium-238	8.14E+00	pCi/g	1.4E-06	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
15	6	Antimony	9.94E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.8	1.32E+01	1.32E+02	3.95E+02
15	6	Arsenic	1.20E+01	mg/kg	4.8E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
15	6	Cobalt	1.13E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.82E+00	9.82E+01	2.95E+02
15	6	Iron	3.29E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
15	6	Mercury	1.87E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.86E+00	9.86E+01	2.96E+02
15	6	PAH, Total	1.25E+00	mg/kg	3.8E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
15	6	PCB, Total	6.17E+00	mg/kg	5.4E-06	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
15	6	Uranium-238	1.21E+01	pCi/g	2.0E-06	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
15	7	Antimony	1.41E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	1.1	1.32E+01	1.32E+02	3.95E+02
15	7	Arsenic	1.61E+01	mg/kg	6.4E-06	2.52E+00	2.52E+01	2.52E+02	0.2	8.09E+00	8.09E+01	2.43E+02
15	7	Cadmium	2.78E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.53E+01	2.53E+02	7.60E+02
15	7	Iron	3.45E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
15	7	Manganese	1.17E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	7.57E+02	7.57E+03	2.27E+04
15	7	PCB, Total	2.55E+01	mg/kg	2.2E-05	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
15	7	Uranium-238	6.39E+00	pCi/g	1.1E-06	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
15	8	Antimony	9.93E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.8	1.32E+01	1.32E+02	3.95E+02
15	8	Arsenic	1.14E+01	mg/kg	4.5E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
15	8	Iron	2.83E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
15	8	Mercury	1.73E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.86E+00	9.86E+01	2.96E+02
15	8	PCB, Total	6.29E+00	mg/kg	5.5E-06	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
15	9	Antimony	1.22E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.9	1.32E+01	1.32E+02	3.95E+02
15	9	Arsenic	1.31E+01	mg/kg	5.2E-06	2.52E+00	2.52E+01	2.52E+02	0.2	8.09E+00	8.09E+01	2.43E+02
15	9	Cadmium	2.81E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.53E+01	2.53E+02	7.60E+02
15	9	Iron	3.02E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
15	9	Manganese	1.57E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	7.57E+02	7.57E+03	2.27E+04
15	9	Mercury	1.74E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.86E+00	9.86E+01	2.96E+02
15	9	PCB, Total	6.51E+00	mg/kg	5.7E-06	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
15	10	Antimony	1.26E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	1	1.32E+01	1.32E+02	3.95E+02
15	10	Arsenic	9.75E+00	mg/kg	3.9E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Excavation Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
26	1	Antimony	7.32E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.6	1.32E+01	1.32E+02	3.95E+02
26	1	Arsenic	1.01E+01	mg/kg	4.0E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
26	1	Cobalt	1.17E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.82E+00	9.82E+01	2.95E+02
26	1	Iron	2.93E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
26	1	Manganese	8.52E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	7.57E+02	7.57E+03	2.27E+04
26	1	Mercury	5.65E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.6	9.86E+00	9.86E+01	2.96E+02
26	1	PCB, Total	6.35E+00	mg/kg	5.5E-06	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
26	1	Uranium	6.70E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.7	9.80E+01	9.80E+02	2.94E+03
26	1	Uranium-238	6.95E+01	pCi/g	1.2E-05	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
26	2	Antimony	2.73E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	2.1	1.32E+01	1.32E+02	3.95E+02
26	2	Arsenic	4.78E+01	mg/kg	1.9E-05	2.52E+00	2.52E+01	2.52E+02	0.6	8.09E+00	8.09E+01	2.43E+02
26	2	Cobalt	4.72E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.5	9.82E+00	9.82E+01	2.95E+02
26	2	Iron	4.46E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
26	2	Manganese	9.14E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	7.57E+02	7.57E+03	2.27E+04
26	2	Mercury	2.36E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.86E+00	9.86E+01	2.96E+02
26	2	PAH, Total	3.85E-01	mg/kg	1.2E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
26	2	PCB, Total	8.33E+00	mg/kg	7.3E-06	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
26	2	Thallium	1.68E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	5.1	3.29E-01	3.29E+00	9.86E+00
26	2	Uranium	1.15E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	1.2	9.80E+01	9.80E+02	2.94E+03
26	2	Cesium-137	8.23E+00	pCi/g	1.3E-05	6.12E-01	6.12E+00	6.12E+01	n/a	n/a	n/a	n/a
26	2	Radium-228	1.69E+00	pCi/g	4.6E-06	3.69E-01	3.69E+00	3.69E+01	n/a	n/a	n/a	n/a
26	2	Uranium-238	3.92E+01	pCi/g	6.6E-06	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
26	3	Antimony	6.79E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.5	1.32E+01	1.32E+02	3.95E+02
26	3	Arsenic	7.52E+01	mg/kg	3.0E-05	2.52E+00	2.52E+01	2.52E+02	0.9	8.09E+00	8.09E+01	2.43E+02
26	3	Iron	3.45E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
26	3	Mercury	1.79E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.86E+00	9.86E+01	2.96E+02
26	3	PAH, Total	3.47E-01	mg/kg	1.1E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
26	3	PCB, Total	5.51E+00	mg/kg	4.8E-06	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
26	3	Thallium	2.51E+00	mg/kg	<1.0E-06	n/a	n/a	n/a	0.8	3.29E-01	3.29E+00	9.86E+00
26	3	Uranium	2.05E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.80E+01	9.80E+02	2.94E+03
26	3	Cesium-137	3.38E+00	pCi/g	5.5E-06	6.12E-01	6.12E+00	6.12E+01	n/a	n/a	n/a	n/a
26	4	Antimony	7.32E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.6	1.32E+01	1.32E+02	3.95E+02
26	4	Arsenic	6.05E+01	mg/kg	2.4E-05	2.52E+00	2.52E+01	2.52E+02	0.7	8.09E+00	8.09E+01	2.43E+02

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Excavation Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
26	4	Cobalt	1.47E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.82E+00	9.82E+01	2.95E+02
26	4	Copper	3.24E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	1.32E+03	1.32E+04	3.95E+04
26	4	Iron	3.21E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
26	4	Manganese	7.87E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	7.57E+02	7.57E+03	2.27E+04
26	4	Mercury	1.90E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.86E+00	9.86E+01	2.96E+02
26	4	Nickel	1.21E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	1.9	6.45E+02	6.45E+03	1.93E+04
26	4	PAH, Total	4.28E+00	mg/kg	1.3E-05	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
26	4	PCB, Total	7.96E+00	mg/kg	7.0E-06	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
26	4	Thallium	1.53E+00	mg/kg	<1.0E-06	n/a	n/a	n/a	0.5	3.29E-01	3.29E+00	9.86E+00
26	4	Uranium	1.34E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	1.4	9.80E+01	9.80E+02	2.94E+03
26	4	Cesium-137	4.69E+00	pCi/g	7.7E-06	6.12E-01	6.12E+00	6.12E+01	n/a	n/a	n/a	n/a
26	4	Neptunium-237	3.87E+01	pCi/g	2.5E-05	1.56E+00	1.56E+01	1.56E+02	n/a	n/a	n/a	n/a
26	4	Plutonium-239/240	1.51E+01	pCi/g	1.5E-06	9.80E+00	9.80E+01	9.80E+02	n/a	n/a	n/a	n/a
26	4	Technetium-99	3.81E+03	pCi/g	1.2E-05	3.05E+02	3.05E+03	3.05E+04	n/a	n/a	n/a	n/a
26	4	Thorium-230	8.68E+01	pCi/g	6.5E-06	1.34E+01	1.34E+02	1.34E+03	n/a	n/a	n/a	n/a
26	4	Uranium-234	3.46E+02	pCi/g	2.3E-05	1.51E+01	1.51E+02	1.51E+03	n/a	n/a	n/a	n/a
26	4	Uranium-235	2.46E+01	pCi/g	1.1E-05	2.18E+00	2.18E+01	2.18E+02	n/a	n/a	n/a	n/a
26	4	Uranium-238	8.24E+02	pCi/g	1.4E-04	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
77	1	Iron	5.03E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
77	1	PCB, Total	5.00E+00	mg/kg	4.4E-06	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
77	1	Uranium	6.66E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.7	9.80E+01	9.80E+02	2.94E+03
77	1	Vanadium	1.68E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	1.65E+02	1.65E+03	4.95E+03
77	1	Uranium-238	1.53E+01	pCi/g	2.6E-06	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
80	1	PCB, Total	1.20E+02	mg/kg	1.0E-04	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
80	2	Antimony	7.57E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.6	1.32E+01	1.32E+02	3.95E+02
80	2	Arsenic	1.01E+01	mg/kg	4.0E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
80	2	Cobalt	1.90E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	9.82E+00	9.82E+01	2.95E+02
80	2	Iron	3.52E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
80	2	Manganese	1.20E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	7.57E+02	7.57E+03	2.27E+04
80	2	PAH, Total	7.21E-01	mg/kg	2.2E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
80	2	PCB, Total	1.26E+01	mg/kg	1.1E-05	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
80	2	Uranium	5.72E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	5.8	9.80E+01	9.80E+02	2.94E+03
80	2	Cesium-137	8.40E-01	pCi/g	1.4E-06	6.12E-01	6.12E+00	6.12E+01	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Excavation Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
80	2	Uranium-234	2.29E+02	pCi/g	1.5E-05	1.51E+01	1.51E+02	1.51E+03	n/a	n/a	n/a	n/a
80	2	Uranium-235	3.00E+01	pCi/g	1.4E-05	2.18E+00	2.18E+01	2.18E+02	n/a	n/a	n/a	n/a
80	2	Uranium-238	1.92E+03	pCi/g	3.2E-04	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
80	3	Antimony	9.99E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.8	1.32E+01	1.32E+02	3.95E+02
80	3	Arsenic	1.04E+01	mg/kg	4.1E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
80	3	Iron	3.41E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	2.30E+04	2.30E+05	6.91E+05
80	3	Manganese	1.00E+03	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	7.57E+02	7.57E+03	2.27E+04
80	3	Mercury	7.98E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.8	9.86E+00	9.86E+01	2.96E+02
80	3	PAH, Total	4.46E-01	mg/kg	1.4E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
80	3	PCB, Total	5.68E+02	mg/kg	5.0E-04	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
204	1	PAH, Total	4.93E-01	mg/kg	1.5E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
204	2	Arsenic	4.59E+01	mg/kg	1.8E-05	2.52E+00	2.52E+01	2.52E+02	0.6	8.09E+00	8.09E+01	2.43E+02
204	3	Arsenic	1.10E+01	mg/kg	4.4E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
204	4	Arsenic	1.10E+01	mg/kg	4.4E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
204	5	Arsenic	5.67E+01	mg/kg	2.2E-05	2.52E+00	2.52E+01	2.52E+02	0.7	8.09E+00	8.09E+01	2.43E+02
204	5	Cobalt	1.04E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.82E+00	9.82E+01	2.95E+02
204	5	Manganese	9.75E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	7.57E+02	7.57E+03	2.27E+04
204	5	Uranium-238	6.60E+00	pCi/g	1.1E-06	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
204	6	Arsenic	1.00E+01	mg/kg	4.0E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
204	7	Arsenic	1.70E+01	mg/kg	6.7E-06	2.52E+00	2.52E+01	2.52E+02	0.2	8.09E+00	8.09E+01	2.43E+02
204	8	Arsenic	8.40E+00	mg/kg	3.3E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
204	9	Arsenic	8.40E+00	mg/kg	3.3E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
204	9	PAH, Total	5.01E+00	mg/kg	1.5E-05	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
204	11	Arsenic	8.80E+00	mg/kg	3.5E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
204	12	Arsenic	9.80E+00	mg/kg	3.9E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
204	13	Arsenic	8.60E+00	mg/kg	3.4E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
204	13	PAH, Total	5.05E-01	mg/kg	1.6E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
204	14	Arsenic	1.36E+02	mg/kg	5.4E-05	2.52E+00	2.52E+01	2.52E+02	1.7	8.09E+00	8.09E+01	2.43E+02
204	14	Iron	3.52E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
204	14	Manganese	8.21E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	7.57E+02	7.57E+03	2.27E+04
204	14	Uranium	1.34E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.80E+01	9.80E+02	2.94E+03
204	15	Cesium-137	6.30E-01	pCi/g	1.0E-06	6.12E-01	6.12E+00	6.12E+01	n/a	n/a	n/a	n/a
204	16	Arsenic	8.20E+00	mg/kg	3.3E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Excavation Worker Surface and Subsurface Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
204	17	Arsenic	9.60E+00	mg/kg	3.8E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
204	19	Arsenic	1.20E+01	mg/kg	4.8E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
204	20	Arsenic	1.40E+01	mg/kg	5.6E-06	2.52E+00	2.52E+01	2.52E+02	0.2	8.09E+00	8.09E+01	2.43E+02
204	20	Cobalt	1.30E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	9.82E+00	9.82E+01	2.95E+02
204	20	Iron	4.60E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
204	20	Manganese	8.39E+02	mg/kg	<1.0E-06	n/a	n/a	n/a	0.1	7.57E+02	7.57E+03	2.27E+04
204	20	PCB, Total	7.90E+01	mg/kg	6.9E-05	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
204	20	Uranium	1.31E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	13.3	9.80E+01	9.80E+02	2.94E+03
204	20	Cesium-137	1.17E+00	pCi/g	1.9E-06	6.12E-01	6.12E+00	6.12E+01	n/a	n/a	n/a	n/a
204	20	Protactinium-231	3.65E+01	pCi/g	8.0E-06	4.57E+00	4.57E+01	4.57E+02	n/a	n/a	n/a	n/a
204	20	Uranium-234	4.45E+02	pCi/g	2.9E-05	1.51E+01	1.51E+02	1.51E+03	n/a	n/a	n/a	n/a
204	20	Uranium-235	5.70E+01	pCi/g	2.6E-05	2.18E+00	2.18E+01	2.18E+02	n/a	n/a	n/a	n/a
204	20	Uranium-238	4.39E+03	pCi/g	7.4E-04	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
204	21	Arsenic	8.60E+00	mg/kg	3.4E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
211	1	Antimony	9.74E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.7	1.32E+01	1.32E+02	3.95E+02
211	1	Arsenic	1.00E+01	mg/kg	4.0E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
211	1	Cobalt	4.95E+01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.5	9.82E+00	9.82E+01	2.95E+02
211	1	Iron	4.71E+04	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	2.30E+04	2.30E+05	6.91E+05
211	1	PCB, Total	1.00E+01	mg/kg	8.7E-06	1.14E+00	1.14E+01	1.14E+02	<0.1	n/a	n/a	n/a
211	1	Thallium	6.02E-01	mg/kg	<1.0E-06	n/a	n/a	n/a	0.2	3.29E-01	3.29E+00	9.86E+00
211	1	Uranium-234	6.69E+01	pCi/g	4.4E-06	1.51E+01	1.51E+02	1.51E+03	n/a	n/a	n/a	n/a
211	1	Uranium-235	3.86E+00	pCi/g	1.8E-06	2.18E+00	2.18E+01	2.18E+02	n/a	n/a	n/a	n/a
211	1	Uranium-238	1.19E+02	pCi/g	2.0E-05	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
224	1	Arsenic	1.00E+01	mg/kg	4.0E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02
224	1	PAH, Total	5.95E-01	mg/kg	1.8E-06	3.25E-01	3.25E+00	3.25E+01	<0.1	n/a	n/a	n/a
224	1	Uranium-238	1.39E+01	pCi/g	2.3E-06	5.95E+00	5.95E+01	5.95E+02	n/a	n/a	n/a	n/a
225	1	Arsenic	8.10E+00	mg/kg	3.2E-06	2.52E+00	2.52E+01	2.52E+02	0.1	8.09E+00	8.09E+01	2.43E+02

Grayed cells indicate EPC value is lower than RGO value or an RGO value is not applicable.

n/a = Not applicable because the COC was not applicable (i.e., the COC was of concern for HI but not ELCR or it was of concern for ELCR by not HI).

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Adult Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
13	2	Uranium-238	1.40E+00	pCi/g	2.8E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
13	4	PAH, Total	4.13E-01	mg/kg	1.8E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
13	4	PCB, Total	1.05E+01	mg/kg	1.3E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
13	4	Uranium-238	1.78E+00	pCi/g	3.6E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
13	5	PAH, Total	4.41E-01	mg/kg	1.9E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
13	5	PCB, Total	6.66E+00	mg/kg	8.5E-05	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
13	5	Neptunium-237	3.88E-01	pCi/g	5.0E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
13	5	Uranium-234	2.57E+01	pCi/g	4.5E-06	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
13	5	Uranium-235	2.95E+00	pCi/g	2.6E-05	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
13	5	Uranium-238	4.60E+01	pCi/g	9.2E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
13	6	PAH, Total	6.51E-01	mg/kg	2.9E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
13	6	PCB, Total	1.08E+01	mg/kg	1.4E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
13	6	Neptunium-237	1.25E+00	pCi/g	1.6E-05	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
13	6	Uranium-234	2.04E+01	pCi/g	3.6E-06	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
13	6	Uranium-235	1.40E+00	pCi/g	1.2E-05	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
13	6	Uranium-238	4.17E+01	pCi/g	8.4E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
13	7	Uranium-238	1.30E+00	pCi/g	2.6E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
13	9	PAH, Total	2.65E-02	mg/kg	1.2E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
13	9	Neptunium-237	6.88E-01	pCi/g	8.9E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
13	9	Uranium-238	4.07E+00	pCi/g	8.2E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
13	11	PCB, Total	1.03E+01	mg/kg	1.3E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
13	14	PAH, Total	3.27E-02	mg/kg	1.4E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
13	14	PCB, Total	6.46E+00	mg/kg	8.3E-05	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
13	14	Uranium-238	2.07E+00	pCi/g	4.2E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	1	Arsenic	1.27E+01	mg/kg	4.7E-05	2.67E-01	2.67E+00	2.67E+01	n/a	n/a	n/a	n/a
15	1	PAH, Total	1.71E+00	mg/kg	7.6E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	1	Uranium-238	1.85E+00	pCi/g	3.7E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	2	Arsenic	1.63E+01	mg/kg	6.1E-05	2.67E-01	2.67E+00	2.67E+01	n/a	n/a	n/a	n/a
15	2	PAH, Total	2.11E+00	mg/kg	9.3E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	2	PCB, Total	3.30E-01	mg/kg	4.2E-06	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
15	2	Uranium-234	6.51E+00	pCi/g	1.1E-06	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
15	2	Uranium-235	3.80E-01	pCi/g	3.3E-06	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
15	2	Uranium-238	1.21E+01	pCi/g	2.4E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Adult Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	3	Antimony	7.10E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	3.34E+01	3.34E+02	1.00E+03
15	3	Arsenic	2.74E+01	mg/kg	1.0E-04	2.67E-01	2.67E+00	2.67E+01	0.3	8.87E+00	8.87E+01	2.66E+02
15	3	Cobalt	3.41E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	2.42E+01	2.42E+02	7.27E+02
15	3	Iron	9.20E+04	mg/kg	n/a	n/a	n/a	n/a	0.2	5.84E+04	5.84E+05	1.75E+06
15	3	Manganese	1.60E+03	mg/kg	n/a	n/a	n/a	n/a	0.1	1.53E+03	1.53E+04	4.59E+04
15	3	PAH, Total	1.45E+00	mg/kg	6.4E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	3	PCB, Total	6.82E+00	mg/kg	8.7E-05	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
15	3	Neptunium-237	3.24E+00	pCi/g	4.2E-05	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
15	3	Technetium-99	2.90E+02	pCi/g	2.7E-06	1.07E+02	1.07E+03	1.07E+04	n/a	n/a	n/a	n/a
15	3	Thorium-230	5.14E+00	pCi/g	1.1E-06	4.89E+00	4.89E+01	4.89E+02	n/a	n/a	n/a	n/a
15	3	Uranium-234	1.40E+02	pCi/g	2.4E-05	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
15	3	Uranium-235	1.49E+01	pCi/g	1.3E-04	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
15	3	Uranium-238	8.68E+02	pCi/g	1.7E-03	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	4	Antimony	7.63E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	3.34E+01	3.34E+02	1.00E+03
15	4	Arsenic	3.37E+01	mg/kg	1.3E-04	2.67E-01	2.67E+00	2.67E+01	0.4	8.87E+00	8.87E+01	2.66E+02
15	4	Iron	6.90E+04	mg/kg	n/a	n/a	n/a	n/a	0.1	5.84E+04	5.84E+05	1.75E+06
15	4	Mercury	3.04E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	2.50E+01	2.50E+02	7.51E+02
15	4	PAH, Total	1.75E+00	mg/kg	7.7E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	4	PCB, Total	3.13E+01	mg/kg	4.0E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
15	4	Neptunium-237	6.60E-01	pCi/g	8.5E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
15	4	Uranium-234	7.93E+00	pCi/g	1.4E-06	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
15	4	Uranium-235	3.64E-01	pCi/g	3.2E-06	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
15	4	Uranium-238	1.35E+01	pCi/g	2.7E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	5	Arsenic	1.28E+01	mg/kg	4.8E-05	2.67E-01	2.67E+00	2.67E+01	n/a	n/a	n/a	n/a
15	5	PAH, Total	5.11E-01	mg/kg	2.3E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	5	PCB, Total	2.51E+01	mg/kg	3.2E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
15	5	Neptunium-237	6.90E-01	pCi/g	8.9E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
15	5	Uranium-235	4.60E-01	pCi/g	4.0E-06	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
15	5	Uranium-238	1.03E+01	pCi/g	2.1E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	6	Arsenic	1.24E+01	mg/kg	4.7E-05	2.67E-01	2.67E+00	2.67E+01	n/a	n/a	n/a	n/a
15	6	PAH, Total	1.62E+00	mg/kg	7.2E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	6	PCB, Total	6.17E+00	mg/kg	7.9E-05	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
15	6	Neptunium-237	6.40E-01	pCi/g	8.3E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
15	6	Uranium-234	8.74E+00	pCi/g	1.5E-06	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Adult Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	6	Uranium-235	5.70E-01	pCi/g	5.0E-06	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
15	6	Uranium-238	1.54E+01	pCi/g	3.1E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	7	Arsenic	1.61E+01	mg/kg	6.0E-05	2.67E-01	2.67E+00	2.67E+01	n/a	n/a	n/a	n/a
15	7	PAH, Total	1.59E-01	mg/kg	7.0E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	7	PCB, Total	2.57E+01	mg/kg	3.3E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
15	7	Uranium-234	6.49E+00	pCi/g	1.1E-06	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
15	7	Uranium-235	4.50E-01	pCi/g	4.0E-06	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
15	7	Uranium-238	8.05E+00	pCi/g	1.6E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	8	Arsenic	1.17E+01	mg/kg	4.4E-05	2.67E-01	2.67E+00	2.67E+01	n/a	n/a	n/a	n/a
15	8	PAH, Total	3.59E-01	mg/kg	1.6E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	8	PCB, Total	5.01E+00	mg/kg	6.4E-05	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
15	8	Neptunium-237	3.65E-01	pCi/g	4.7E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
15	8	Uranium-238	6.64E+00	pCi/g	1.3E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	9	Arsenic	1.10E+01	mg/kg	4.1E-05	2.67E-01	2.67E+00	2.67E+01	n/a	n/a	n/a	n/a
15	9	PAH, Total	2.38E-01	mg/kg	1.1E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	9	PCB, Total	6.31E+00	mg/kg	8.1E-05	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
15	9	Uranium-238	7.12E+00	pCi/g	1.4E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	10	PAH, Total	1.28E-01	mg/kg	5.7E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
26	1	PAH, Total	1.97E-01	mg/kg	8.7E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
26	1	PCB, Total	9.40E+00	mg/kg	1.20E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
26	1	Uranium-234	7.78E+00	pCi/g	1.40E-06	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
26	1	Uranium-235	1.23E+00	pCi/g	1.10E-05	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
26	1	Uranium-238	6.75E+01	pCi/g	1.40E-04	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
26	2	Arsenic	4.23E+01	mg/kg	1.60E-04	2.67E-01	2.67E+00	2.67E+01	0.5	8.87E+00	8.87E+01	2.66E+02
26	2	Cobalt	6.59E+01	mg/kg	n/a	n/a	n/a	n/a	0.3	2.42E+01	2.42E+02	7.27E+02
26	2	PCB, Total	3.25E+00	mg/kg	0.000042	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
26	2	Thallium	2.38E+01	mg/kg	n/a	n/a	n/a	n/a	2.8	8.34E-01	8.34E+00	2.50E+01
26	2	Uranium	7.18E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	2.39E+02	2.39E+03	7.16E+03
26	2	Cesium-137	9.52E+00	pCi/g	0.00027	3.51E-02	3.51E-01	3.51E+00	n/a	n/a	n/a	n/a
26	2	Neptunium-237	2.15E-01	pCi/g	2.80E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
26	2	Radium-228	1.69E+00	pCi/g	3.20E-05	5.25E-02	5.25E-01	5.25E+00	n/a	n/a	n/a	n/a
26	2	Uranium-234	1.98E+01	pCi/g	3.40E-06	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
26	2	Uranium-235	2.36E+00	pCi/g	2.10E-05	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
26	2	Uranium-238	5.01E+01	pCi/g	1.00E-04	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Adult Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
26	3	Arsenic	7.56E+01	mg/kg	2.80E-04	2.67E-01	2.67E+00	2.67E+01	0.9	8.87E+00	8.87E+01	2.66E+02
26	3	PAH, Total	3.30E-01	mg/kg	1.5E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
26	3	PCB, Total	8.91E+00	mg/kg	1.1E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
26	3	Thallium	3.68E+00	mg/kg	n/a	n/a	n/a	n/a	0.4	8.34E-01	8.34E+00	2.50E+01
26	3	Cesium-137	4.51E+00	pCi/g	1.3E-04	3.51E-02	3.51E-01	3.51E+00	n/a	n/a	n/a	n/a
26	3	Neptunium-237	3.70E-01	pCi/g	4.8E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
26	3	Uranium-235	3.15E-01	pCi/g	2.8E-06	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
26	3	Uranium-238	7.00E+00	pCi/g	1.4E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
26	4	Arsenic	6.01E+01	mg/kg	2.3E-04	2.67E-01	2.67E+00	2.67E+01	0.7	8.87E+00	8.87E+01	2.66E+02
26	4	Mercury	7.33E+01	mg/kg	n/a	n/a	n/a	n/a	0.3	2.50E+01	2.50E+02	7.51E+02
26	4	PAH, Total	5.53E+00	mg/kg	2.4E-04	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
26	4	PCB, Total	7.95E+00	mg/kg	1.0E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
26	4	Uranium	1.47E+03	mg/kg	n/a	n/a	n/a	n/a	0.6	2.39E+02	2.39E+03	7.16E+03
26	4	Cesium-137	1.02E+00	pCi/g	2.9E-05	3.51E-02	3.51E-01	3.51E+00	n/a	n/a	n/a	n/a
26	4	Neptunium-237	2.80E+00	pCi/g	3.6E-05	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
26	4	Plutonium-239/240	1.35E+01	pCi/g	3.6E-06	3.73E+00	3.73E+01	3.73E+02	n/a	n/a	n/a	n/a
26	4	Technetium-99	8.36E+02	pCi/g	7.8E-06	1.07E+02	1.07E+03	1.07E+04	n/a	n/a	n/a	n/a
26	4	Thorium-230	5.48E+01	pCi/g	1.1E-05	4.89E+00	4.89E+01	4.89E+02	n/a	n/a	n/a	n/a
26	4	Uranium-234	2.15E+02	pCi/g	3.8E-05	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
26	4	Uranium-235	1.52E+01	pCi/g	1.3E-04	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
26	4	Uranium-238	8.49E+02	pCi/g	1.7E-03	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
77	1	PAH, Total	7.02E-02	mg/kg	3.1E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
77	1	PCB, Total	5.00E+00	mg/kg	6.4E-05	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
77	1	Thorium-230	1.03E+01	pCi/g	2.1E-06	4.89E+00	4.89E+01	4.89E+02	n/a	n/a	n/a	n/a
77	1	Uranium-238	1.53E+01	pCi/g	3.1E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
80	1	Dioxins/Furans, Total	8.82E-05	mg/kg	2.9E-05	3.08E-06	3.08E-05	3.08E-04	n/a	n/a	n/a	n/a
80	1	PCB, Total	1.20E+02	mg/kg	1.5E-03	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
80	2	Antimony	5.82E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	3.34E+01	3.34E+02	1.00E+03
80	2	PAH, Total	7.21E-01	mg/kg	3.2E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
80	2	PCB, Total	1.26E+01	mg/kg	1.6E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
80	2	Uranium	5.72E+03	mg/kg	n/a	n/a	n/a	n/a	2.4	2.39E+02	2.39E+03	7.16E+03
80	2	Americium-241	6.40E+00	pCi/g	3.9E-06	1.63E+00	1.63E+01	1.63E+02	n/a	n/a	n/a	n/a
80	2	Cesium-137	8.40E-01	pCi/g	2.4E-05	3.51E-02	3.51E-01	3.51E+00	n/a	n/a	n/a	n/a
80	2	Neptunium-237	5.05E-01	pCi/g	6.5E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Adult Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
80	2	Uranium-234	2.29E+02	pCi/g	4.0E-05	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
80	2	Uranium-235	3.00E+01	pCi/g	2.6E-04	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
80	2	Uranium-238	1.92E+03	pCi/g	3.9E-03	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
80	3	PCB, Total	5.66E+02	mg/kg	7.2E-03	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
80	3	Uranium-238	1.59E+00	pCi/g	3.20E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	1	PAH, Total	4.93E-01	mg/kg	2.20E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	1	Uranium-238	1.27E+00	pCi/g	2.6E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	2	Arsenic	4.59E+01	mg/kg	1.7E-04	2.67E-01	2.67E+00	2.67E+01	n/a	n/a	n/a	n/a
204	2	PAH, Total	6.20E-02	mg/kg	2.7E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	2	Uranium-238	3.92E+00	pCi/g	7.9E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	3	PAH, Total	3.52E-02	mg/kg	1.6E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	3	Uranium-238	2.31E+00	pCi/g	4.6E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	4	PAH, Total	2.33E-02	mg/kg	1.0E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	4	Uranium-238	1.82E+00	pCi/g	3.6E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	5	Arsenic	5.67E+01	mg/kg	2.1E-04	2.67E-01	2.67E+00	2.67E+01	n/a	n/a	n/a	n/a
204	5	Uranium-238	5.65E+00	pCi/g	1.1E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	6	PAH, Total	3.25E-02	mg/kg	1.4E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	6	Uranium-238	3.63E+00	pCi/g	7.3E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	7	Uranium-238	2.04E+00	pCi/g	4.1E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	8	PAH, Total	7.37E-02	mg/kg	3.2E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	8	Uranium-238	2.01E+00	pCi/g	4.0E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	9	PAH, Total	5.01E+00	mg/kg	2.2E-04	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	9	Uranium-238	2.22E+00	pCi/g	4.5E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	10	PAH, Total	6.42E-02	mg/kg	2.8E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	10	Uranium-238	3.15E+00	pCi/g	6.3E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	11	PAH, Total	8.95E-02	mg/kg	3.9E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	11	Uranium-238	3.09E+00	pCi/g	6.2E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	12	PAH, Total	6.43E-02	mg/kg	2.8E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	12	Uranium-238	3.26E+00	pCi/g	6.5E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	13	PAH, Total	5.05E-01	mg/kg	2.2E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	13	Uranium-238	2.98E+00	pCi/g	6.0E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	14	Arsenic	1.36E+02	mg/kg	5.1E-04	2.67E-01	2.67E+00	2.67E+01	1.5	8.87E+00	8.87E+01	2.66E+02
204	14	PAH, Total	1.28E-01	mg/kg	5.6E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	14	Uranium-238	4.25E+00	pCi/g	8.5E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Adult Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
204	15	Cesium-137	6.30E-01	pCi/g	1.8E-05	3.51E-02	3.51E-01	3.51E+00	n/a	n/a	n/a	n/a
204	15	Uranium-238	5.37E+00	pCi/g	1.1E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	17	PAH, Total	5.99E-02	mg/kg	2.6E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	17	Uranium-238	2.50E+00	pCi/g	5.0E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	18	Uranium-238	1.81E+00	pCi/g	3.6E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	19	PAH, Total	1.30E-01	mg/kg	5.7E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	19	Uranium-238	2.65E+00	pCi/g	5.3E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	20	PCB, Total	7.90E+01	mg/kg	1.0E-03	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
204	20	Uranium	1.31E+04	mg/kg	n/a	n/a	n/a	n/a	5.5	2.39E+02	2.39E+03	7.16E+03
204	20	Americium-241	3.71E+00	pCi/g	2.3E-06	1.63E+00	1.63E+01	1.63E+02	n/a	n/a	n/a	n/a
204	20	Cesium-137	1.17E+00	pCi/g	3.3E-05	3.51E-02	3.51E-01	3.51E+00	n/a	n/a	n/a	n/a
204	20	Protactinium-231	3.65E+01	pCi/g	8.2E-05	4.45E-01	4.45E+00	4.45E+01	n/a	n/a	n/a	n/a
204	20	Uranium-234	4.45E+02	pCi/g	7.8E-05	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
204	20	Uranium-235	5.70E+01	pCi/g	5.0E-04	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
204	20	Uranium-238	4.39E+03	pCi/g	8.8E-03	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
211	1	PAH, Total	1.04E-01	mg/kg	4.6E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
211	1	PCB, Total	3.60E-01	mg/kg	4.6E-06	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
211	1	Cesium-137	1.67E+00	pCi/g	4.8E-05	3.51E-02	3.51E-01	3.51E+00	n/a	n/a	n/a	n/a
211	1	Neptunium-237	5.93E+00	pCi/g	7.7E-05	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
211	1	Uranium-234	6.69E+01	pCi/g	1.2E-05	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
211	1	Uranium-238	1.19E+02	pCi/g	2.4E-04	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
224	1	PAH, Total	5.95E-01	mg/kg	2.6E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
224	1	Uranium-238	1.39E+01	pCi/g	2.8E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
225	1	PAH, Total	7.79E-02	mg/kg	3.4E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
225	1	Uranium-238	2.04E+00	pCi/g	4.1E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
225	1	Uranium-238	2.04E+00	pCi/g	4.1E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a

Grayed cells indicate EPC value is lower than RGO value or an RGO value is not applicable.

n/a = Not applicable because the COC was not applicable (i.e., the COC was of concern for HI but not ELCR or it was of concern for ELCR by not HI).

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Child Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
13	2	Iron	2.47E+04	mg/kg	n/a	n/a	n/a	n/a	0.5	5.47E+03	5.48E+04	1.64E+05
13	2	Manganese	1.22E+03	mg/kg	n/a	n/a	n/a	n/a	0.7	1.82E+02	1.82E+03	5.47E+03
13	2	Vanadium	9.38E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	3.93E+01	3.93E+02	1.18E+03
13	2	Uranium-238	1.40E+00	pCi/g	2.8E-06	4.99E-01	4.99E+00	4.99E+01		n/a	n/a	n/a
13	3	Iron	2.63E+04	mg/kg	n/a	n/a	n/a	n/a	0.5	5.47E+03	5.48E+04	1.64E+05
13	3	Manganese	1.09E+03	mg/kg	n/a	n/a	n/a	n/a	0.6	1.82E+02	1.82E+03	5.47E+03
13	3	Vanadium	9.88E+01	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
13	4	PAH, Total	4.13E-01	mg/kg	1.8E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
13	4	PCB, Total	1.05E+01	mg/kg	1.30E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
13	4	Uranium-238	1.78E+00	pCi/g	3.60E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
13	5	Aluminum	9.83E+03	mg/kg	n/a	n/a	n/a	n/a	0.1	7.73E+03	7.73E+04	2.32E+05
13	5	Iron	2.42E+04	mg/kg	n/a	n/a	n/a	n/a	0.4	5.47E+03	5.48E+04	1.64E+05
13	5	Manganese	9.08E+02	mg/kg	n/a	n/a	n/a	n/a	0.5	1.82E+02	1.82E+03	5.47E+03
13	5	PAH, Total	4.41E-01	mg/kg	1.9E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
13	5	PCB, Total	6.66E+00	mg/kg	8.50E-05	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
13	5	Uranium	7.41E+01	mg/kg	n/a	n/a	n/a	n/a	0.3	2.34E+01	2.34E+02	7.01E+02
13	5	Vanadium	1.06E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
13	5	Neptunium-237	3.88E-01	pCi/g	5.0E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
13	5	Uranium-234	2.57E+01	pCi/g	4.50E-06	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
13	5	Uranium-235	2.95E+00	pCi/g	2.60E-05	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
13	5	Uranium-238	4.60E+01	pCi/g	9.20E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
13	6	Iron	3.09E+04	mg/kg	n/a	n/a	n/a	n/a	0.6	5.48E+03	5.48E+04	1.64E+05
13	6	PAH, Total	6.51E-01	mg/kg	2.9E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
13	6	PCB, Total	1.08E+01	mg/kg	1.40E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
13	6	Uranium	3.70E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	2.34E+01	2.34E+02	7.01E+02
13	6	Vanadium	1.20E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
13	6	Neptunium-237	1.25E+00	pCi/g	1.6E-05	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
13	6	Uranium-234	2.04E+01	pCi/g	3.60E-06	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
13	6	Uranium-235	1.40E+00	pCi/g	1.20E-05	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
13	6	Uranium-238	4.17E+01	pCi/g	8.40E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
13	7	Iron	2.78E+04	mg/kg	n/a	n/a	n/a	n/a	0.5	5.48E+03	5.48E+04	1.64E+05
13	7	Silver	1.85E+02	mg/kg	n/a	n/a	n/a	n/a	0.5	3.91E+01	3.91E+02	1.17E+03
13	7	Vanadium	1.22E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Child Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
13	7	Uranium-238	1.30E+00	pCi/g	2.6E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
13	8	Iron	2.41E+04	mg/kg	n/a	n/a	n/a	n/a	0.4	5.48E+03	5.48E+04	1.64E+05
13	8	Manganese	1.12E+03	mg/kg	n/a	n/a	n/a	n/a	0.6	1.82E+02	1.82E+03	5.47E+03
13	8	Vanadium	9.97E+01	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
13	9	PAH, Total	2.65E-02	mg/kg	1.2E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
13	9	Neptunium-237	6.88E-01	pCi/g	8.90E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
13	9	Uranium-238	4.07E+00	pCi/g	8.20E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
13	10	Iron	3.80E+04	mg/kg	n/a	n/a	n/a	n/a	0.7	5.48E+03	5.48E+04	1.64E+05
13	10	Manganese	3.09E+03	mg/kg	n/a	n/a	n/a	n/a	1.7	1.82E+02	1.82E+03	5.47E+03
13	10	Silver	5.40E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	3.91E+01	3.91E+02	1.17E+03
13	10	Vanadium	1.30E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
13	11	PCB, Total	1.03E+01	mg/kg	1.3E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
13	12	Iron	2.30E+04	mg/kg	n/a	n/a	n/a	n/a	0.4	5.48E+03	5.48E+04	1.64E+05
13	12	Manganese	1.35E+03	mg/kg	n/a	n/a	n/a	n/a	0.7	1.82E+02	1.82E+03	5.47E+03
13	12	Silver	8.88E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	3.91E+01	3.91E+02	1.17E+03
13	12	Vanadium	1.16E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
13	13	Iron	2.89E+04	mg/kg	n/a	n/a	n/a	n/a	0.5	5.48E+03	5.48E+04	1.64E+05
13	13	Manganese	1.13E+03	mg/kg	n/a	n/a	n/a	n/a	0.6	1.82E+02	1.82E+03	5.47E+03
13	13	Vanadium	1.19E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
13	14	PAH, Total	3.27E-02	mg/kg	1.4E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
13	14	PCB, Total	6.46E+00	mg/kg	8.30E-05	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
13	14	Uranium-238	2.07E+00	pCi/g	4.20E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	1	Antimony	7.49E+01	mg/kg	n/a	n/a	n/a	n/a	2.4	3.13E+00	3.13E+01	9.39E+01
15	1	Arsenic	1.27E+01	mg/kg	4.7E-05	2.67E-01	2.67E+00	2.67E+01	0.8	1.67E+00	1.67E+01	5.01E+01
15	1	Cadmium	1.56E+01	mg/kg	n/a	n/a	n/a	n/a	0.3	5.07E+00	5.07E+01	1.52E+02
15	1	Iron	2.95E+04	mg/kg	n/a	n/a	n/a	n/a	0.5	5.47E+03	5.48E+04	1.64E+05
15	1	PAH, Total	1.71E+00	mg/kg	7.6E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	1	Thallium	2.40E-01	mg/kg	n/a	n/a	n/a	n/a	0.3	7.82E-02	7.82E-01	2.35E+00
15	1	Uranium	3.26E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	2.34E+01	2.34E+02	7.01E+02
15	1	Uranium-238	1.85E+00	pCi/g	3.7E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	2	Antimony	9.83E+01	mg/kg	n/a	n/a	n/a	n/a	3.1	3.13E+00	3.13E+01	9.39E+01
15	2	Arsenic	1.63E+01	mg/kg	6.1E-05	2.67E-01	2.67E+00	2.67E+01	1	1.67E+00	1.67E+01	5.01E+01
15	2	Iron	3.89E+04	mg/kg	n/a	n/a	n/a	n/a	0.7	5.48E+03	5.48E+04	1.64E+05
15	2	Mercury	9.33E+00	mg/kg	n/a	n/a	n/a	n/a	0.4	2.35E+00	2.35E+01	7.04E+01

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Child Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	2	Nickel	1.97E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	1.54E+02	1.54E+03	4.63E+03
15	2	PAH, Total	2.11E+00	mg/kg	9.3E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	2	PCB, Total	3.30E-01	mg/kg	4.20E-06	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
15	2	Uranium	1.32E+02	mg/kg	n/a	n/a	n/a	n/a	0.6	2.34E+01	2.34E+02	7.01E+02
15	2	Uranium-234	6.51E+00	pCi/g	1.1E-06	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
15	2	Uranium-235	3.80E-01	pCi/g	3.30E-06	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
15	2	Uranium-238	1.21E+01	pCi/g	2.40E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	3	Antimony	7.10E+01	mg/kg	n/a	n/a	n/a	n/a	2.3	3.13E+00	3.13E+01	9.39E+01
15	3	Arsenic	2.74E+01	mg/kg	1.0E-04	2.67E-01	2.67E+00	2.67E+01	1.6	1.67E+00	1.67E+01	5.01E+01
15	3	Cadmium	1.25E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	5.07E+00	5.07E+01	1.52E+02
15	3	Cobalt	3.41E+01	mg/kg	n/a	n/a	n/a	n/a	1.5	2.34E+00	2.34E+01	7.02E+01
15	3	Copper	1.60E+03	mg/kg	n/a	n/a	n/a	n/a	0.5	3.13E+02	3.13E+03	9.39E+03
15	3	Iron	9.20E+04	mg/kg	n/a	n/a	n/a	n/a	1.7	5.48E+03	5.48E+04	1.64E+05
15	3	Manganese	1.60E+03	mg/kg	n/a	n/a	n/a	n/a	0.9	1.82E+02	1.82E+03	5.47E+03
15	3	Mercury	1.05E+01	mg/kg	n/a	n/a	n/a	n/a	0.4	2.35E+00	2.35E+01	7.04E+01
15	3	Nickel	8.38E+02	mg/kg	n/a	n/a	n/a	n/a	0.5	1.54E+02	1.54E+03	4.63E+03
15	3	PAH, Total	1.45E+00	mg/kg	6.4E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	3	PCB, Total	6.82E+00	mg/kg	8.70E-05	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
15	3	Thallium	2.60E-01	mg/kg	n/a	n/a	n/a	n/a	0.3	7.82E-02	7.82E-01	2.35E+00
15	3	Uranium	2.16E+02	mg/kg	n/a	n/a	n/a	n/a	0.9	2.34E+01	2.34E+02	7.01E+02
15	3	Vanadium	7.31E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	3.93E+01	3.93E+02	1.18E+03
15	3	Neptunium-237	3.24E+00	pCi/g	4.2E-05	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
15	3	Technetium-99	2.90E+02	pCi/g	2.70E-06	1.07E+02	1.07E+03	1.07E+04	n/a	n/a	n/a	n/a
15	3	Thorium-230	5.14E+00	pCi/g	1.10E-06	4.89E+00	4.89E+01	4.89E+02	n/a	n/a	n/a	n/a
15	3	Uranium-234	1.40E+02	pCi/g	2.40E-05	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
15	3	Uranium-235	1.49E+01	pCi/g	1.30E-04	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
15	3	Uranium-238	8.68E+02	pCi/g	1.70E-03	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	4	Antimony	7.63E+01	mg/kg	n/a	n/a	n/a	n/a	2.4	3.13E+00	3.13E+01	9.39E+01
15	4	Arsenic	3.37E+01	mg/kg	1.3E-04	2.67E-01	2.67E+00	2.67E+01	2	1.67E+00	1.67E+01	5.01E+01
15	4	Cadmium	1.86E+01	mg/kg	n/a	n/a	n/a	n/a	0.4	5.07E+00	5.07E+01	1.52E+02
15	4	Copper	5.99E+02	mg/kg	n/a	n/a	n/a	n/a	0.2	3.13E+02	3.13E+03	9.39E+03
15	4	Iron	6.90E+04	mg/kg	n/a	n/a	n/a	n/a	1.3	5.48E+03	5.48E+04	1.64E+05
15	4	Manganese	1.29E+03	mg/kg	n/a	n/a	n/a	n/a	0.7	1.82E+02	1.82E+03	5.47E+03
15	4	Mercury	3.04E+01	mg/kg	n/a	n/a	n/a	n/a	1.3	2.35E+00	2.35E+01	7.04E+01

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Child Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	4	Nickel	1.24E+03	mg/kg	n/a	n/a	n/a	n/a	0.8	1.54E+02	1.54E+03	4.63E+03
15	4	PAH, Total	1.75E+00	mg/kg	7.7E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	4	PCB, Total	3.13E+01	mg/kg	4.00E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
15	4	Thallium	1.85E-01	mg/kg	n/a	n/a	n/a	n/a	0.2	7.82E-02	7.82E-01	2.35E+00
15	4	Uranium	1.29E+02	mg/kg	n/a	n/a	n/a	n/a	0.6	2.34E+01	2.34E+02	7.01E+02
15	4	Vanadium	8.43E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	3.93E+01	3.93E+02	1.18E+03
15	4	Neptunium-237	6.60E-01	pCi/g	8.5E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
15	4	Uranium-234	7.93E+00	pCi/g	1.40E-06	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
15	4	Uranium-235	3.64E-01	pCi/g	3.20E-06	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
15	4	Uranium-238	1.35E+01	pCi/g	2.70E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	5	Antimony	1.01E+02	mg/kg	n/a	n/a	n/a	n/a	3.2	3.13E+00	3.13E+01	9.39E+01
15	5	Arsenic	1.28E+01	mg/kg	4.8E-05	2.67E-01	2.67E+00	2.67E+01	0.8	1.67E+00	1.67E+01	5.01E+01
15	5	Cadmium	1.46E+01	mg/kg	n/a	n/a	n/a	n/a	0.3	5.07E+00	5.07E+01	1.52E+02
15	5	Copper	5.63E+03	mg/kg	n/a	n/a	n/a	n/a	1.8	3.13E+02	3.13E+03	9.39E+03
15	5	Nickel	3.53E+02	mg/kg	n/a	n/a	n/a	n/a	0.2	1.54E+02	1.54E+03	4.63E+03
15	5	PAH, Total	5.11E-01	mg/kg	2.3E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	5	PCB, Total	2.51E+01	mg/kg	3.20E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
15	5	Uranium	1.76E+02	mg/kg	n/a	n/a	n/a	n/a	0.8	2.34E+01	2.34E+02	7.01E+02
15	5	Neptunium-237	6.90E-01	pCi/g	8.9E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
15	5	Uranium-235	4.60E-01	pCi/g	4.00E-06	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
15	5	Uranium-238	1.03E+01	pCi/g	2.10E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	6	Antimony	8.85E+01	mg/kg	n/a	n/a	n/a	n/a	2.8	3.13E+00	3.13E+01	9.39E+01
15	6	Arsenic	1.24E+01	mg/kg	4.7E-05	2.67E-01	2.67E+00	2.67E+01	0.7	1.67E+00	1.67E+01	5.01E+01
15	6	Cadmium	1.64E+01	mg/kg	n/a	n/a	n/a	n/a	0.3	5.07E+00	5.07E+01	1.52E+02
15	6	Cobalt	1.62E+01	mg/kg	n/a	n/a	n/a	n/a	0.7	2.34E+00	2.34E+01	7.02E+01
15	6	Copper	4.23E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	3.13E+02	3.13E+03	9.39E+03
15	6	Iron	3.29E+04	mg/kg	n/a	n/a	n/a	n/a	0.6	5.48E+03	5.48E+04	1.64E+05
15	6	Nickel	3.00E+02	mg/kg	n/a	n/a	n/a	n/a	0.2	1.54E+02	1.54E+03	4.63E+03
15	6	PAH, Total	1.62E+00	mg/kg	7.2E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	6	PCB, Total	6.17E+00	mg/kg	7.90E-05	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
15	6	Uranium	6.30E+01	mg/kg	n/a	n/a	n/a	n/a	0.3	2.34E+01	2.34E+02	7.01E+02
15	6	Neptunium-237	6.40E-01	pCi/g	8.3E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
15	6	Uranium-234	8.74E+00	pCi/g	1.50E-06	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
15	6	Uranium-235	5.70E-01	pCi/g	5.00E-06	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Child Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	6	Uranium-238	1.54E+01	pCi/g	3.10E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	7	Antimony	1.37E+02	mg/kg	n/a	n/a	n/a	n/a	4.4	3.13E+00	3.13E+01	9.39E+01
15	7	Arsenic	1.61E+01	mg/kg	6.0E-05	2.67E-01	2.67E+00	2.67E+01	1	1.67E+00	1.67E+01	5.01E+01
15	7	Cadmium	1.80E+01	mg/kg	n/a	n/a	n/a	n/a	0.4	5.07E+00	5.07E+01	1.52E+02
15	7	Copper	8.29E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.13E+02	3.13E+03	9.39E+03
15	7	Iron	3.42E+04	mg/kg	n/a	n/a	n/a	n/a	0.6	5.47E+03	5.48E+04	1.64E+05
15	7	Manganese	1.18E+03	mg/kg	n/a	n/a	n/a	n/a	0.6	1.82E+02	1.82E+03	5.47E+03
15	7	Nickel	5.59E+02	mg/kg	n/a	n/a	n/a	n/a	0.4	1.54E+02	1.54E+03	4.63E+03
15	7	PAH, Total	1.59E-01	mg/kg	7.0E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	7	PCB, Total	2.57E+01	mg/kg	3.30E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
15	7	Thallium	3.00E-01	mg/kg	n/a	n/a	n/a	n/a	0.4	7.82E-02	7.82E-01	2.35E+00
15	7	Uranium	5.39E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	2.34E+01	2.34E+02	7.01E+02
15	7	Uranium-234	6.49E+00	pCi/g	1.1E-06	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
15	7	Uranium-235	4.50E-01	pCi/g	4.00E-06	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
15	7	Uranium-238	8.05E+00	pCi/g	1.60E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	8	Antimony	7.42E+01	mg/kg	n/a	n/a	n/a	n/a	2.4	3.13E+00	3.13E+01	9.39E+01
15	8	Arsenic	1.17E+01	mg/kg	4.4E-05	2.67E-01	2.67E+00	2.67E+01	0.7	1.67E+00	1.67E+01	5.01E+01
15	8	Cadmium	1.68E+01	mg/kg	n/a	n/a	n/a	n/a	0.3	5.07E+00	5.07E+01	1.52E+02
15	8	Iron	2.83E+04	mg/kg	n/a	n/a	n/a	n/a	0.5	5.47E+03	5.48E+04	1.64E+05
15	8	Mercury	1.01E+01	mg/kg	n/a	n/a	n/a	n/a	0.4	2.35E+00	2.35E+01	7.04E+01
15	8	Nickel	1.82E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	1.54E+02	1.54E+03	4.63E+03
15	8	PAH, Total	3.59E-01	mg/kg	1.6E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	8	PCB, Total	5.01E+00	mg/kg	6.40E-05	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
15	8	Uranium	4.46E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	2.34E+01	2.34E+02	7.01E+02
15	8	Neptunium-237	3.65E-01	pCi/g	4.7E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
15	8	Uranium-238	6.64E+00	pCi/g	1.30E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	9	Antimony	1.12E+02	mg/kg	n/a	n/a	n/a	n/a	3.6	3.13E+00	3.13E+01	9.39E+01
15	9	Arsenic	1.10E+01	mg/kg	4.1E-05	2.67E-01	2.67E+00	2.67E+01	0.7	1.67E+00	1.67E+01	5.01E+01
15	9	Cadmium	1.81E+01	mg/kg	n/a	n/a	n/a	n/a	0.4	5.07E+00	5.07E+01	1.52E+02
15	9	Iron	2.76E+04	mg/kg	n/a	n/a	n/a	n/a	0.5	5.47E+03	5.48E+04	1.64E+05
15	9	PAH, Total	2.38E-01	mg/kg	1.1E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	9	PCB, Total	6.31E+00	mg/kg	8.10E-05	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
15	9	Uranium	3.07E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	2.34E+01	2.34E+02	7.01E+02
15	9	Vanadium	7.33E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	3.93E+01	3.93E+02	1.18E+03

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Child Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	9	Uranium-238	7.12E+00	pCi/g	1.4E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
15	10	Antimony	1.25E+02	mg/kg	n/a	n/a	n/a	n/a	4	3.13E+00	3.13E+01	9.39E+01
15	10	Cadmium	1.67E+01	mg/kg	n/a	n/a	n/a	n/a	0.3	5.07E+00	5.07E+01	1.52E+02
15	10	Mercury	7.84E+00	mg/kg	n/a	n/a	n/a	n/a	0.3	2.35E+00	2.35E+01	7.04E+01
15	10	Nickel	2.26E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	1.54E+02	1.54E+03	4.63E+03
15	10	PAH, Total	1.28E-01	mg/kg	5.7E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
15	10	Uranium	9.02E+01	mg/kg	n/a	n/a	n/a	n/a	0.4	2.34E+01	2.34E+02	7.01E+02
26	1	Iron	2.88E+04	mg/kg	n/a	n/a	n/a	n/a	0.5	5.48E+03	5.48E+04	1.64E+05
26	1	PAH, Total	1.97E-01	mg/kg	8.7E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
26	1	PCB, Total	9.40E+00	mg/kg	1.20E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
26	1	Uranium	6.28E+02	mg/kg	n/a	n/a	n/a	n/a	2.7	2.34E+01	2.34E+02	7.01E+02
26	1	Vanadium	1.61E+02	mg/kg	n/a	n/a	n/a	n/a	0.4	3.93E+01	3.93E+02	1.18E+03
26	1	Uranium-234	7.78E+00	pCi/g	1.4E-06	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
26	1	Uranium-235	1.23E+00	pCi/g	1.10E-05	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
26	1	Uranium-238	6.75E+01	pCi/g	1.40E-04	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
26	2	Aluminum	2.61E+04	mg/kg	n/a	n/a	n/a	n/a	0.3	7.73E+03	7.73E+04	2.32E+05
26	2	Arsenic	4.23E+01	mg/kg	1.6E-04	2.67E-01	2.67E+00	2.67E+01	2.5	1.67E+00	1.67E+01	5.01E+01
26	2	Cobalt	6.59E+01	mg/kg	n/a	n/a	n/a	n/a	2.8	2.34E+00	2.34E+01	7.02E+01
26	2	Iron	5.20E+04	mg/kg	n/a	n/a	n/a	n/a	0.9	5.47E+03	5.48E+04	1.64E+05
26	2	PCB, Total	3.25E+00	mg/kg	4.2E-05	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
26	2	Thallium	2.38E+01	mg/kg	n/a	n/a	n/a	n/a	30.4	7.82E-02	7.82E-01	2.35E+00
26	2	Uranium	7.18E+02	mg/kg	n/a	n/a	n/a	n/a	3.1	2.34E+01	2.34E+02	7.01E+02
26	2	Vanadium	1.16E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
26	2	Cesium-137	9.52E+00	pCi/g	2.7E-04	3.51E-02	3.51E-01	3.51E+00	n/a	n/a	n/a	n/a
26	2	Neptunium-237	2.15E-01	pCi/g	2.80E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
26	2	Radium-228	1.69E+00	pCi/g	3.20E-05	5.25E-02	5.25E-01	5.25E+00	n/a	n/a	n/a	n/a
26	2	Uranium-234	1.98E+01	pCi/g	3.40E-06	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
26	2	Uranium-235	2.36E+00	pCi/g	2.10E-05	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
26	2	Uranium-238	5.01E+01	pCi/g	1.00E-04	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
26	3	Arsenic	7.56E+01	mg/kg	2.80E-04	2.67E-01	2.67E+00	2.67E+01	4.5	1.67E+00	1.67E+01	5.01E+01
26	3	Iron	3.46E+04	mg/kg	n/a	n/a	n/a	n/a	0.6	5.47E+03	5.48E+04	1.64E+05
26	3	Molybdenum	4.07E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	3.91E+01	3.91E+02	1.17E+03
26	3	PAH, Total	3.30E-01	mg/kg	1.5E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
26	3	PCB, Total	8.91E+00	mg/kg	1.10E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Child Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
26	3	Thallium	3.68E+00	mg/kg	n/a	n/a	n/a	n/a	4.7	7.82E-02	7.82E-01	2.35E+00
26	3	Uranium	2.05E+02	mg/kg	n/a	n/a	n/a	n/a	0.9	2.34E+01	2.34E+02	7.01E+02
26	3	Vanadium	1.44E+02	mg/kg	n/a	n/a	n/a	n/a	0.4	3.93E+01	3.93E+02	1.18E+03
26	3	Cesium-137	4.51E+00	pCi/g	1.3E-04	3.51E-02	3.51E-01	3.51E+00	n/a	n/a	n/a	n/a
26	3	Neptunium-237	3.70E-01	pCi/g	4.80E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
26	3	Uranium-235	3.15E-01	pCi/g	2.80E-06	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
26	3	Uranium-238	7.00E+00	pCi/g	1.40E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
26	4	Aluminum	1.11E+04	mg/kg	n/a	n/a	n/a	n/a	0.1	7.73E+03	7.73E+04	2.32E+05
26	4	Arsenic	6.01E+01	mg/kg	2.3E-04	2.67E-01	2.67E+00	2.67E+01	3.6	1.67E+00	1.67E+01	5.01E+01
26	4	Iron	2.81E+04	mg/kg	n/a	n/a	n/a	n/a	0.5	5.48E+03	5.48E+04	1.64E+05
26	4	Mercury	7.33E+01	mg/kg	n/a	n/a	n/a	n/a	3.1	2.35E+00	2.35E+01	7.04E+01
26	4	PAH, Total	5.53E+00	mg/kg	2.4E-04	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
26	4	PCB, Total	7.95E+00	mg/kg	1.00E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
26	4	Uranium	1.47E+03	mg/kg	n/a	n/a	n/a	n/a	6.3	2.34E+01	2.34E+02	7.01E+02
26	4	Vanadium	1.42E+02	mg/kg	n/a	n/a	n/a	n/a	0.4	3.93E+01	3.93E+02	1.18E+03
26	4	Cesium-137	1.02E+00	pCi/g	2.9E-05	3.51E-02	3.51E-01	3.51E+00	n/a	n/a	n/a	n/a
26	4	Neptunium-237	2.80E+00	pCi/g	3.60E-05	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
26	4	Plutonium-239/240	1.35E+01	pCi/g	3.60E-06	3.73E+00	3.73E+01	3.73E+02	n/a	n/a	n/a	n/a
26	4	Technetium-99	8.36E+02	pCi/g	7.80E-06	1.07E+02	1.07E+03	1.07E+04	n/a	n/a	n/a	n/a
26	4	Thorium-230	5.48E+01	pCi/g	1.10E-05	4.89E+00	4.89E+01	4.89E+02	n/a	n/a	n/a	n/a
26	4	Uranium-234	2.15E+02	pCi/g	3.80E-05	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
26	4	Uranium-235	1.52E+01	pCi/g	1.30E-04	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
26	4	Uranium-238	8.49E+02	pCi/g	1.70E-03	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
77	1	Iron	5.03E+04	mg/kg	n/a	n/a	n/a	n/a	0.9	5.47E+03	5.48E+04	1.64E+05
77	1	PAH, Total	7.02E-02	mg/kg	3.1E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
77	1	PCB, Total	5.00E+00	mg/kg	6.40E-05	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
77	1	Uranium	6.66E+02	mg/kg	n/a	n/a	n/a	n/a	2.9	2.34E+01	2.34E+02	7.01E+02
77	1	Vanadium	1.68E+02	mg/kg	n/a	n/a	n/a	n/a	0.4	3.93E+01	3.93E+02	1.18E+03
77	1	Thorium-230	1.03E+01	pCi/g	2.1E-06	4.89E+00	4.89E+01	4.89E+02	n/a	n/a	n/a	n/a
77	1	Uranium-238	1.53E+01	pCi/g	3.10E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
80	1	Dioxins/Furans, Total	8.82E-05	mg/kg	2.90E-05	3.08E-06	3.08E-05	3.08E-04	1.6	5.47E-06	5.47E-05	1.64E-04
80	1	PCB, Total	1.20E+02	mg/kg	1.5E-03	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
80	1	Uranium	9.80E+01	mg/kg	n/a	n/a	n/a	n/a	0.4	2.34E+01	2.34E+02	7.01E+02
80	2	Antimony	5.82E+01	mg/kg	n/a	n/a	n/a	n/a	1.9	3.13E+00	3.13E+01	9.39E+01

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Child Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
80	2	Cobalt	1.90E+01	mg/kg	n/a	n/a	n/a	n/a	0.8	2.34E+00	2.34E+01	7.02E+01
80	2	Iron	3.52E+04	mg/kg	n/a	n/a	n/a	n/a	0.6	5.47E+03	5.48E+04	1.64E+05
80	2	PAH, Total	7.21E-01	mg/kg	3.2E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
80	2	PCB, Total	1.26E+01	mg/kg	1.60E-04	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
80	2	Uranium	5.72E+03	mg/kg	n/a	n/a	n/a	n/a	24.5	2.34E+01	2.34E+02	7.01E+02
80	2	Vanadium	1.29E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
80	2	Americium-241	6.40E+00	pCi/g	3.9E-06	1.63E+00	1.63E+01	1.63E+02	n/a	n/a	n/a	n/a
80	2	Cesium-137	8.40E-01	pCi/g	2.40E-05	3.51E-02	3.51E-01	3.51E+00	n/a	n/a	n/a	n/a
80	2	Neptunium-237	5.05E-01	pCi/g	6.50E-06	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
80	2	Uranium-234	2.29E+02	pCi/g	4.00E-05	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
80	2	Uranium-235	3.00E+01	pCi/g	2.60E-04	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
80	2	Uranium-238	1.92E+03	pCi/g	3.90E-03	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
80	3	Iron	3.05E+04	mg/kg	n/a	n/a	n/a	n/a	0.6	5.47E+03	5.48E+04	1.64E+05
80	3	Manganese	9.46E+02	mg/kg	n/a	n/a	n/a	n/a	0.5	1.82E+02	1.82E+03	5.47E+03
80	3	PCB, Total	5.66E+02	mg/kg	7.20E-03	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
80	3	Uranium	7.32E+01	mg/kg	n/a	n/a	n/a	n/a	0.3	2.34E+01	2.34E+02	7.01E+02
80	3	Vanadium	1.21E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
80	3	Uranium-238	1.59E+00	pCi/g	3.20E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	1	PAH, Total	4.93E-01	mg/kg	2.20E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	1	Uranium-238	1.27E+00	pCi/g	2.60E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	2	Arsenic	4.59E+01	mg/kg	1.70E-04	2.67E-01	2.67E+00	2.67E+01	2.7	1.67E+00	1.67E+01	5.01E+01
204	2	PAH, Total	6.20E-02	mg/kg	2.70E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	2	Vanadium	1.20E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
204	2	Uranium-238	3.92E+00	pCi/g	7.9E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	3	PAH, Total	3.52E-02	mg/kg	1.60E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	3	Uranium-238	2.31E+00	pCi/g	4.60E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	4	Iron	2.92E+04	mg/kg	n/a	n/a	n/a	n/a	0.5	5.48E+03	5.48E+04	1.64E+05
204	4	Molybdenum	4.10E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	3.91E+01	3.91E+02	1.17E+03
204	4	PAH, Total	2.33E-02	mg/kg	1.0E-06	2.27E-02	2.27E-01	2.27E+00				
204	4	Silver	5.90E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	3.91E+01	3.91E+02	1.17E+03
204	4	Vanadium	1.39E+02	mg/kg	n/a	n/a	n/a	n/a	0.4	3.93E+01	3.93E+02	1.18E+03
204	4	Uranium-238	1.82E+00	pCi/g	3.6E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	5	Arsenic	5.67E+01	mg/kg	2.10E-04	2.67E-01	2.67E+00	2.67E+01	3.4	1.67E+00	1.67E+01	5.01E+01
204	5	Vanadium	1.21E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Child Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
204	5	Uranium-238	5.65E+00	pCi/g	1.1E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	6	PAH, Total	3.25E-02	mg/kg	1.40E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	6	Uranium-238	3.63E+00	pCi/g	7.30E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	7	Iron	2.95E+04	mg/kg	n/a	n/a	n/a	n/a	0.5	5.47E+03	5.48E+04	1.64E+05
204	7	Manganese	1.94E+03	mg/kg	n/a	n/a	n/a	n/a	1.1	1.82E+02	1.82E+03	5.47E+03
204	7	Vanadium	1.27E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
204	7	Uranium-238	2.04E+00	pCi/g	4.1E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	8	Cobalt	1.40E+01	mg/kg	n/a	n/a	n/a	n/a	0.6	2.34E+00	2.34E+01	7.02E+01
204	8	Iron	2.94E+04	mg/kg	n/a	n/a	n/a	n/a	0.5	5.47E+03	5.48E+04	1.64E+05
204	8	PAH, Total	7.37E-02	mg/kg	3.2E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	8	Vanadium	1.32E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
204	8	Uranium-238	2.01E+00	pCi/g	4.0E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	9	PAH, Total	5.01E+00	mg/kg	2.20E-04	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	9	Uranium-238	2.22E+00	pCi/g	4.50E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	10	Antimony	1.20E+01	mg/kg	n/a	n/a	n/a	n/a	0.4	3.13E+00	3.13E+01	9.39E+01
204	10	Iron	3.08E+04	mg/kg	n/a	n/a	n/a	n/a	0.6	5.47E+03	5.48E+04	1.64E+05
204	10	PAH, Total	6.42E-02	mg/kg	2.8E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	10	Vanadium	1.19E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
204	10	Uranium-238	3.15E+00	pCi/g	6.3E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	11	PAH, Total	8.95E-02	mg/kg	3.90E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	11	Uranium-238	3.09E+00	pCi/g	6.20E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	12	Iron	2.86E+04	mg/kg	n/a	n/a	n/a	n/a	0.5	5.47E+03	5.48E+04	1.64E+05
204	12	PAH, Total	6.43E-02	mg/kg	2.8E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	12	Thallium	2.10E-01	mg/kg	n/a	n/a	n/a	n/a	0.3	7.82E-02	7.82E-01	2.35E+00
204	12	Vanadium	1.44E+02	mg/kg	n/a	n/a	n/a	n/a	0.4	3.93E+01	3.93E+02	1.18E+03
204	12	Uranium-238	3.26E+00	pCi/g	6.5E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	13	PAH, Total	5.05E-01	mg/kg	2.20E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	13	Uranium-238	2.98E+00	pCi/g	6.00E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	14	Arsenic	1.36E+02	mg/kg	5.10E-04	2.67E-01	2.67E+00	2.67E+01	8.1	1.67E+00	1.67E+01	5.01E+01
204	14	Iron	3.17E+04	mg/kg	n/a	n/a	n/a	n/a	0.6	5.47E+03	5.48E+04	1.64E+05
204	14	PAH, Total	1.28E-01	mg/kg	5.6E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	14	Uranium	1.34E+02	mg/kg	n/a	n/a	n/a	n/a	0.6	2.34E+01	2.34E+02	7.01E+02
204	14	Vanadium	1.43E+02	mg/kg	n/a	n/a	n/a	n/a	0.4	3.93E+01	3.93E+02	1.18E+03
204	14	Uranium-238	4.25E+00	pCi/g	8.5E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Child Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
204	15	Cesium-137	6.30E-01	pCi/g	1.80E-05	3.51E-02	3.51E-01	3.51E+00	n/a	n/a	n/a	n/a
204	15	Uranium-238	5.37E+00	pCi/g	1.10E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	17	PAH, Total	5.99E-02	mg/kg	2.60E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	17	Uranium-238	2.50E+00	pCi/g	5.00E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	18	Iron	3.35E+04	mg/kg	n/a	n/a	n/a	n/a	0.6	5.47E+03	5.48E+04	1.64E+05
204	18	Uranium	1.09E+02	mg/kg	n/a	n/a	n/a	n/a	0.5	2.34E+01	2.34E+02	7.01E+02
204	18	Vanadium	1.51E+02	mg/kg	n/a	n/a	n/a	n/a	0.4	3.93E+01	3.93E+02	1.18E+03
204	18	Uranium-238	1.81E+00	pCi/g	3.6E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	19	PAH, Total	1.30E-01	mg/kg	5.70E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
204	19	Uranium-238	2.65E+00	pCi/g	5.30E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	20	PCB, Total	7.90E+01	mg/kg	1.00E-03	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
204	20	Uranium	1.31E+04	mg/kg	n/a	n/a	n/a	n/a	56	2.34E+01	2.34E+02	7.01E+02
204	20	Vanadium	1.14E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
204	20	Americium-241	3.71E+00	pCi/g	2.3E-06	1.63E+00	1.63E+01	1.63E+02	n/a	n/a	n/a	n/a
204	20	Cesium-137	1.17E+00	pCi/g	3.30E-05	3.51E-02	3.51E-01	3.51E+00	n/a	n/a	n/a	n/a
204	20	Protactinium-231	3.65E+01	pCi/g	8.20E-05	4.45E-01	4.45E+00	4.45E+01	n/a	n/a	n/a	n/a
204	20	Uranium-234	4.45E+02	pCi/g	7.80E-05	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
204	20	Uranium-235	5.70E+01	pCi/g	5.00E-04	1.14E-01	1.14E+00	1.14E+01	n/a	n/a	n/a	n/a
204	20	Uranium-238	4.39E+03	pCi/g	8.80E-03	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
204	21	Cobalt	1.80E+01	mg/kg	n/a	n/a	n/a	n/a	0.8	2.34E+00	2.34E+01	7.02E+01
204	21	Vanadium	1.19E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
211	1	Antimony	6.52E+01	mg/kg	n/a	n/a	n/a	n/a	2.1	3.13E+00	3.13E+01	9.39E+01
211	1	Iron	3.05E+04	mg/kg	n/a	n/a	n/a	n/a	0.6	5.47E+03	5.48E+04	1.64E+05
211	1	PAH, Total	1.04E-01	mg/kg	4.6E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
211	1	PCB, Total	3.60E-01	mg/kg	4.60E-06	7.82E-02	7.82E-01	7.82E+00	n/a	n/a	n/a	n/a
211	1	Thallium	3.30E-01	mg/kg	n/a	n/a	n/a	n/a	0.4	7.82E-02	7.82E-01	2.35E+00
211	1	Vanadium	1.01E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
211	1	Cesium-137	1.67E+00	pCi/g	4.8E-05	3.51E-02	3.51E-01	3.51E+00	n/a	n/a	n/a	n/a
211	1	Neptunium-237	5.93E+00	pCi/g	7.70E-05	7.72E-02	7.72E-01	7.72E+00	n/a	n/a	n/a	n/a
211	1	Uranium-234	6.69E+01	pCi/g	1.20E-05	5.73E+00	5.73E+01	5.73E+02	n/a	n/a	n/a	n/a
211	1	Uranium-238	1.19E+02	pCi/g	2.40E-04	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
224	1	Antimony	1.08E+02	mg/kg	n/a	n/a	n/a	n/a	3.5	3.13E+00	3.13E+01	9.39E+01
224	1	PAH, Total	5.95E-01	mg/kg	2.6E-05	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
224	1	Uranium	4.15E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	2.34E+01	2.34E+02	7.01E+02

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Hypothetical Child Residential User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
224	1	Uranium-238	1.39E+01	pCi/g	2.8E-05	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a
225	1	Antimony	5.41E+01	mg/kg	n/a	n/a	n/a	n/a	1.7	3.13E+00	3.13E+01	9.39E+01
225	1	PAH, Total	7.79E-02	mg/kg	3.4E-06	2.27E-02	2.27E-01	2.27E+00	n/a	n/a	n/a	n/a
225	1	Thallium	2.80E-01	mg/kg	n/a	n/a	n/a	n/a	0.4	7.82E-02	7.82E-01	2.35E+00
225	1	Vanadium	1.09E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	3.93E+01	3.93E+02	1.18E+03
225	1	Uranium-238	2.04E+00	pCi/g	4.1E-06	4.99E-01	4.99E+00	4.99E+01	n/a	n/a	n/a	n/a

Grayed cells indicate EPC value is lower than RGO value or an RGO value is not applicable.

n/a = Not applicable because the COC was not applicable (i.e., the COC was of concern for HI but not ELCR or it was of concern for ELCR by not HI).

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Adult Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
13	4	PAH, Total	4.13E-01	mg/kg	8.2E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
13	4	PCB, Total	1.05E+01	mg/kg	6.1E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
13	5	PAH, Total	4.41E-01	mg/kg	8.8E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
13	5	PCB, Total	6.66E+00	mg/kg	3.8E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
13	5	Uranium-234	2.57E+01	pCi/g	1.6E-06	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
13	5	Uranium-235	2.95E+00	pCi/g	3.4E-06	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
13	5	Uranium-238	4.60E+01	pCi/g	1.4E-05	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
13	6	PAH, Total	6.51E-01	mg/kg	1.3E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
13	6	PCB, Total	1.08E+01	mg/kg	6.2E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
13	6	Neptunium-237	1.25E+00	pCi/g	2.1E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
13	6	Uranium-234	2.04E+01	pCi/g	1.3E-06	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
13	6	Uranium-235	1.40E+00	pCi/g	1.6E-06	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
13	6	Uranium-238	4.17E+01	pCi/g	1.3E-05	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
13	9	Neptunium-237	6.88E-01	pCi/g	1.1E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
13	9	Uranium-238	4.07E+00	pCi/g	1.2E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
13	11	PCB, Total	1.03E+01	mg/kg	6.0E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
13	14	PCB, Total	6.46E+00	mg/kg	3.7E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	1	Arsenic	1.27E+01	mg/kg	2.1E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
15	1	PAH, Total	1.71E+00	mg/kg	3.4E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	2	Arsenic	1.63E+01	mg/kg	2.6E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
15	2	PAH, Total	2.11E+00	mg/kg	4.2E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	2	PCB, Total	3.30E-01	mg/kg	1.9E-06	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	2	Uranium-238	1.21E+01	pCi/g	3.7E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	3	Arsenic	2.74E+01	mg/kg	4.5E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
15	3	PAH, Total	1.45E+00	mg/kg	2.9E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	3	PCB, Total	6.82E+00	mg/kg	3.9E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	3	Neptunium-237	3.24E+00	pCi/g	5.4E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
15	3	Uranium-234	1.40E+02	pCi/g	8.7E-06	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
15	3	Uranium-235	1.49E+01	pCi/g	1.7E-05	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
15	3	Uranium-238	8.68E+02	pCi/g	2.6E-04	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	4	Arsenic	3.37E+01	mg/kg	5.5E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
15	4	PAH, Total	1.75E+00	mg/kg	3.5E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	4	PCB, Total	3.13E+01	mg/kg	1.8E-04	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Adult Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	4	Neptunium-237	6.60E-01	pCi/g	1.1E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
15	4	Uranium-238	1.35E+01	pCi/g	4.1E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	5	Arsenic	1.28E+01	mg/kg	2.1E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
15	5	PAH, Total	5.11E-01	mg/kg	1.0E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	5	PCB, Total	2.51E+01	mg/kg	1.5E-04	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	5	Neptunium-237	6.90E-01	pCi/g	1.1E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
15	5	Uranium-238	1.03E+01	pCi/g	3.1E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	6	Arsenic	1.24E+01	mg/kg	2.0E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
15	6	PAH, Total	1.62E+00	mg/kg	3.2E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	6	PCB, Total	6.17E+00	mg/kg	3.6E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	6	Neptunium-237	6.40E-01	pCi/g	1.1E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
15	6	Uranium-238	1.54E+01	pCi/g	4.7E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	7	Arsenic	1.61E+01	mg/kg	2.6E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
15	7	PAH, Total	1.59E-01	mg/kg	3.2E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	7	PCB, Total	2.57E+01	mg/kg	1.5E-04	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	7	Uranium-238	8.05E+00	pCi/g	2.5E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	8	Arsenic	1.17E+01	mg/kg	1.9E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
15	8	PAH, Total	3.59E-01	mg/kg	7.1E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	8	PCB, Total	5.01E+00	mg/kg	2.9E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	8	Uranium-238	6.64E+00	pCi/g	2.0E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	9	Arsenic	1.10E+01	mg/kg	1.8E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
15	9	PAH, Total	2.38E-01	mg/kg	4.7E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	9	PCB, Total	6.31E+00	mg/kg	3.6E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	9	Uranium-238	7.12E+00	pCi/g	2.2E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	10	PAH, Total	1.28E-01	mg/kg	2.6E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
26	1	PAH, Total	1.97E-01	mg/kg	3.90E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
26	1	PCB, Total	9.40E+00	mg/kg	5.40E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
26	1	Uranium-235	1.23E+00	pCi/g	1.40E-06	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
26	1	Uranium-238	6.75E+01	pCi/g	2.10E-05	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
26	2	Arsenic	4.23E+01	mg/kg	6.90E-05	6.14E-01	6.14E+00	6.14E+01	0.1	2.99E+01	2.99E+02	8.98E+02
26	2	PCB, Total	3.25E+00	mg/kg	1.90E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
26	2	Thallium	2.38E+01	mg/kg	n/a	n/a	n/a	n/a	0.8	2.81E+00	2.81E+01	8.42E+01
26	2	Cesium-137	9.52E+00	pCi/g	3.40E-05	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
26	2	Radium-228	1.69E+00	pCi/g	4.70E-06	3.60E-01	3.60E+00	3.60E+01	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Adult Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
26	2	Uranium-234	1.98E+01	pCi/g	1.20E-06	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
26	2	Uranium-235	2.36E+00	pCi/g	2.70E-06	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
26	2	Uranium-238	5.01E+01	pCi/g	1.50E-05	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
26	3	Arsenic	7.56E+01	mg/kg	1.2E-04	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
26	3	PAH, Total	3.30E-01	mg/kg	6.6E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
26	3	PCB, Total	8.91E+00	mg/kg	5.1E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
26	3	Cesium-137	4.51E+00	pCi/g	1.6E-05	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
26	3	Uranium-238	7.00E+00	pCi/g	2.1E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
26	4	Arsenic	6.01E+01	mg/kg	9.8E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
26	4	PAH, Total	5.53E+00	mg/kg	1.1E-04	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
26	4	PCB, Total	7.95E+00	mg/kg	4.6E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
26	4	Cesium-137	1.02E+00	pCi/g	3.7E-06	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
26	4	Neptunium-237	2.80E+00	pCi/g	4.6E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
26	4	Plutonium-239/240	1.35E+01	pCi/g	1.3E-06	1.05E+01	1.05E+02	1.05E+03	n/a	n/a	n/a	n/a
26	4	Technetium-99	8.36E+02	pCi/g	2.6E-06	3.18E+02	3.18E+03	3.18E+04	n/a	n/a	n/a	n/a
26	4	Thorium-230	5.48E+01	pCi/g	3.9E-06	1.42E+01	1.42E+02	1.42E+03	n/a	n/a	n/a	n/a
26	4	Uranium-234	2.15E+02	pCi/g	1.3E-05	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
26	4	Uranium-235	1.52E+01	pCi/g	1.7E-05	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
26	4	Uranium-238	8.49E+02	pCi/g	2.6E-04	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
77	1	PAH, Total	7.02E-02	mg/kg	1.4E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
77	1	PCB, Total	5.00E+00	mg/kg	2.9E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
77	1	Uranium-238	1.53E+01	pCi/g	4.7E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
80	1	Dioxins/Furans, Total	8.82E-05	mg/kg	1.2E-05	7.09E-06	7.09E-05	7.09E-04	n/a	n/a	n/a	n/a
80	1	PCB, Total	1.20E+02	mg/kg	6.9E-04	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
80	2	PAH, Total	7.21E-01	mg/kg	1.4E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
80	2	PCB, Total	1.26E+01	mg/kg	7.3E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
80	2	Cesium-137	8.40E-01	pCi/g	3.0E-06	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
80	2	Uranium-234	2.29E+02	pCi/g	1.4E-05	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
80	2	Uranium-235	3.00E+01	pCi/g	3.4E-05	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
80	2	Uranium-238	1.92E+03	pCi/g	5.8E-04	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
80	3	PCB, Total	5.66E+02	mg/kg	3.3E-03	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
204	1	PAH, Total	4.93E-01	mg/kg	9.8E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	2	Arsenic	4.59E+01	mg/kg	7.5E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
204	2	PAH, Total	6.20E-02	mg/kg	1.2E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Adult Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
204	2	Uranium-238	3.92E+00	pCi/g	1.2E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
204	5	Arsenic	5.67E+01	mg/kg	9.2E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
204	5	Uranium-238	5.65E+00	pCi/g	1.7E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
204	6	Uranium-238	3.63E+00	pCi/g	1.1E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
204	8	PAH, Total	7.37E-02	mg/kg	1.5E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	9	PAH, Total	5.01E+00	mg/kg	1.0E-04	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	10	PAH, Total	6.42E-02	mg/kg	1.3E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	11	PAH, Total	8.95E-02	mg/kg	1.8E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	12	PAH, Total	6.43E-02	mg/kg	1.3E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	13	PAH, Total	5.05E-01	mg/kg	1.0E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	14	Arsenic	1.36E+02	mg/kg	2.2E-04	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
204	14	PAH, Total	1.28E-01	mg/kg	2.5E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	14	Uranium-238	4.25E+00	pCi/g	1.3E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
204	15	Cesium-137	6.30E-01	pCi/g	2.3E-06	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
204	15	Uranium-238	5.37E+00	pCi/g	1.6E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
204	17	PAH, Total	5.99E-02	mg/kg	1.2E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	19	PAH, Total	1.30E-01	mg/kg	2.6E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	20	PCB, Total	7.90E+01	mg/kg	4.6E-04	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
204	20	Uranium	1.31E+04	mg/kg	n/a	n/a	n/a	n/a	1.6	8.31E+02	8.31E+03	2.49E+04
204	20	Cesium-137	1.17E+00	pCi/g	4.2E-06	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
204	20	Protactinium-231	3.65E+01	pCi/g	1.3E-05	2.76E+00	2.76E+01	2.76E+02	n/a	n/a	n/a	n/a
204	20	Uranium-234	4.45E+02	pCi/g	2.8E-05	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
204	20	Uranium-235	5.70E+01	pCi/g	6.5E-05	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
204	20	Uranium-238	4.39E+03	pCi/g	1.3E-03	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
211	1	PAH, Total	1.04E-01	mg/kg	2.1E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
211	1	PCB, Total	3.60E-01	mg/kg	2.1E-06	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
211	1	Cesium-137	1.67E+00	pCi/g	6.0E-06	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
211	1	Neptunium-237	5.93E+00	pCi/g	9.8E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
211	1	Uranium-234	6.69E+01	pCi/g	4.1E-06	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
211	1	Uranium-238	1.19E+02	pCi/g	3.6E-05	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
224	1	PAH, Total	5.95E-01	mg/kg	1.2E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
224	1	Uranium-238	1.39E+01	pCi/g	4.2E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
225	1	PAH, Total	7.79E-02	mg/kg	1.5E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Adult Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3

Grayed cells indicate EPC value is lower than RGO value or an RGO value is not applicable.

n/a = Not applicable because the COC was not applicable (i.e., the COC was of concern for HI but not ELCR or it was of concern for ELCR by not HI).

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Teen Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
13	4	PAH, Total	4.13E-01	mg/kg	8.2E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
13	4	PCB, Total	1.05E+01	mg/kg	6.1E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
13	5	PAH, Total	4.41E-01	mg/kg	8.8E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
13	5	PCB, Total	6.66E+00	mg/kg	3.8E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
13	5	Uranium-234	2.57E+01	pCi/g	1.6E-06	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
13	5	Uranium-235	2.95E+00	pCi/g	3.4E-06	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
13	5	Uranium-238	4.60E+01	pCi/g	1.4E-05	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
13	6	PAH, Total	6.51E-01	mg/kg	1.3E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
13	6	PCB, Total	1.08E+01	mg/kg	6.2E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
13	6	Neptunium-237	1.25E+00	pCi/g	2.1E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
13	6	Uranium-234	2.04E+01	pCi/g	1.3E-06	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
13	6	Uranium-235	1.40E+00	pCi/g	1.6E-06	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
13	6	Uranium-238	4.17E+01	pCi/g	1.3E-05	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
13	9	Neptunium-237	6.88E-01	pCi/g	1.1E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
13	9	Uranium-238	4.07E+00	pCi/g	1.2E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
13	11	PCB, Total	1.03E+01	mg/kg	6.0E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
13	14	PCB, Total	6.46E+00	mg/kg	3.7E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	1	Arsenic	1.27E+01	mg/kg	2.1E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
15	1	PAH, Total	1.71E+00	mg/kg	3.4E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	2	Arsenic	1.63E+01	mg/kg	2.6E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
15	2	PAH, Total	2.11E+00	mg/kg	4.2E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	2	PCB, Total	3.30E-01	mg/kg	1.9E-06	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	2	Uranium-238	1.21E+01	pCi/g	3.7E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	3	Antimony	7.10E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	4.48E+01	4.48E+02	1.35E+03
15	3	Arsenic	2.74E+01	mg/kg	4.5E-05	6.14E-01	6.14E+00	6.14E+01	0.3	1.03E+01	1.03E+02	3.10E+02
15	3	Cobalt	3.41E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	3.35E+01	3.35E+02	1.00E+03
15	3	Iron	9.20E+04	mg/kg	n/a	n/a	n/a	n/a	0.1	7.85E+04	7.85E+05	2.35E+06
15	3	PAH, Total	1.45E+00	mg/kg	2.9E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	3	PCB, Total	6.82E+00	mg/kg	3.9E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	3	Neptunium-237	3.24E+00	pCi/g	5.4E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
15	3	Uranium-234	1.40E+02	pCi/g	8.7E-06	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
15	3	Uranium-235	1.49E+01	pCi/g	1.7E-05	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
15	3	Uranium-238	8.68E+02	pCi/g	2.6E-04	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Teen Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	4	Antimony	7.63E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	4.48E+01	4.48E+02	1.35E+03
15	4	Arsenic	3.37E+01	mg/kg	5.5E-05	6.14E-01	6.14E+00	6.14E+01	0.3	1.03E+01	1.03E+02	3.10E+02
15	4	PAH, Total	1.75E+00	mg/kg	3.5E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	4	PCB, Total	3.13E+01	mg/kg	1.8E-04	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	4	Neptunium-237	6.60E-01	pCi/g	1.1E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
15	4	Uranium-238	1.35E+01	pCi/g	4.1E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	5	Arsenic	1.28E+01	mg/kg	2.1E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
15	5	PAH, Total	5.11E-01	mg/kg	1.0E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	5	PCB, Total	2.51E+01	mg/kg	1.5E-04	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	5	Neptunium-237	6.90E-01	pCi/g	1.1E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
15	5	Uranium-238	1.03E+01	pCi/g	3.1E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	6	Arsenic	1.24E+01	mg/kg	2.0E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
15	6	PAH, Total	1.62E+00	mg/kg	3.2E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	6	PCB, Total	6.17E+00	mg/kg	3.6E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	6	Neptunium-237	6.40E-01	pCi/g	1.1E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
15	6	Uranium-238	1.54E+01	pCi/g	4.7E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	7	Arsenic	1.61E+01	mg/kg	2.6E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
15	7	PAH, Total	1.59E-01	mg/kg	3.2E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	7	PCB, Total	2.57E+01	mg/kg	1.5E-04	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	7	Uranium-238	8.05E+00	pCi/g	2.5E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	8	Arsenic	1.17E+01	mg/kg	1.9E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
15	8	PAH, Total	3.59E-01	mg/kg	7.1E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	8	PCB, Total	5.01E+00	mg/kg	2.9E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	8	Uranium-238	6.64E+00	pCi/g	2.0E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	9	Arsenic	1.10E+01	mg/kg	1.8E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
15	9	PAH, Total	2.38E-01	mg/kg	4.7E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	9	PCB, Total	6.31E+00	mg/kg	3.6E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	9	Uranium-238	7.12E+00	pCi/g	2.2E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	10	PAH, Total	1.28E-01	mg/kg	2.6E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
26	1	PAH, Total	1.97E-01	mg/kg	3.90E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
26	1	PCB, Total	9.40E+00	mg/kg	5.40E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
26	1	Uranium-235	1.23E+00	pCi/g	1.40E-06	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
26	1	Uranium-238	6.75E+01	pCi/g	2.10E-05	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
26	2	Arsenic	4.23E+01	mg/kg	6.90E-05	6.14E-01	6.14E+00	6.14E+01	0.4	1.03E+01	1.03E+02	3.10E+02

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Teen Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
26	2	Cobalt	6.59E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	3.35E+01	3.35E+02	1.00E+03
26	2	PCB, Total	3.25E+00	mg/kg	1.90E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
26	2	Thallium	2.38E+01	mg/kg	n/a	n/a	n/a	n/a	2.1	1.12E+00	1.12E+01	3.36E+01
26	2	Uranium	7.18E+02	mg/kg	n/a	n/a	n/a	n/a	0.2	3.34E+02	3.34E+03	1.00E+04
26	2	Cesium-137	9.52E+00	pCi/g	3.40E-05	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
26	2	Radium-228	1.69E+00	pCi/g	4.70E-06	3.60E-01	3.60E+00	3.60E+01	n/a	n/a	n/a	n/a
26	2	Uranium-234	1.98E+01	pCi/g	1.20E-06	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
26	2	Uranium-235	2.36E+00	pCi/g	2.70E-06	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
26	2	Uranium-238	5.01E+01	pCi/g	1.50E-05	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
26	3	Arsenic	7.56E+01	mg/kg	1.2E-04	6.14E-01	6.14E+00	6.14E+01	0.7	1.03E+01	1.03E+02	3.10E+02
26	3	PAH, Total	3.30E-01	mg/kg	6.6E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
26	3	PCB, Total	8.91E+00	mg/kg	5.1E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
26	3	Thallium	3.68E+00	mg/kg	n/a	n/a	n/a	n/a	0.3	1.12E+00	1.12E+01	3.36E+01
26	3	Cesium-137	4.51E+00	pCi/g	1.6E-05	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
26	3	Uranium-238	7.00E+00	pCi/g	2.1E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
26	4	Arsenic	6.01E+01	mg/kg	9.8E-05	6.14E-01	6.14E+00	6.14E+01	0.6	1.03E+01	1.03E+02	3.10E+02
26	4	Mercury	7.33E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	3.36E+01	3.36E+02	1.01E+03
26	4	PAH, Total	5.53E+00	mg/kg	1.1E-04	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
26	4	PCB, Total	7.95E+00	mg/kg	4.6E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
26	4	Uranium	1.47E+03	mg/kg	n/a	n/a	n/a	n/a	0.4	3.34E+02	3.34E+03	1.00E+04
26	4	Cesium-137	1.02E+00	pCi/g	3.7E-06	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
26	4	Neptunium-237	2.80E+00	pCi/g	4.6E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
26	4	Plutonium-239/240	1.35E+01	pCi/g	1.3E-06	1.05E+01	1.05E+02	1.05E+03	n/a	n/a	n/a	n/a
26	4	Technetium-99	8.36E+02	pCi/g	2.6E-06	3.18E+02	3.18E+03	3.18E+04	n/a	n/a	n/a	n/a
26	4	Thorium-230	5.48E+01	pCi/g	3.9E-06	1.42E+01	1.42E+02	1.42E+03	n/a	n/a	n/a	n/a
26	4	Uranium-234	2.15E+02	pCi/g	1.3E-05	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
26	4	Uranium-235	1.52E+01	pCi/g	1.7E-05	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
26	4	Uranium-238	8.49E+02	pCi/g	2.6E-04	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
77	1	PAH, Total	7.02E-02	mg/kg	1.4E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
77	1	PCB, Total	5.00E+00	mg/kg	2.9E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
77	1	Uranium-238	1.53E+01	pCi/g	4.7E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
80	1	Dioxins/Furans, Total	8.82E-05	mg/kg	1.2E-05	7.09E-06	7.09E-05	7.09E-04	n/a	n/a	n/a	n/a
80	1	PCB, Total	1.20E+02	mg/kg	6.9E-04	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
80	2	Antimony	5.82E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	4.48E+01	4.48E+02	1.35E+03

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Teen Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
80	2	PAH, Total	7.21E-01	mg/kg	1.4E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
80	2	PCB, Total	1.26E+01	mg/kg	7.3E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
80	2	Uranium	5.72E+03	mg/kg	n/a	n/a	n/a	n/a	1.7	3.34E+02	3.34E+03	1.00E+04
80	2	Cesium-137	8.40E-01	pCi/g	3.0E-06	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
80	2	Uranium-234	2.29E+02	pCi/g	1.4E-05	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
80	2	Uranium-235	3.00E+01	pCi/g	3.4E-05	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
80	2	Uranium-238	1.92E+03	pCi/g	5.8E-04	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
80	3	PCB, Total	5.66E+02	mg/kg	3.3E-03	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
204	1	PAH, Total	4.93E-01	mg/kg	9.8E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	2	Arsenic	4.59E+01	mg/kg	7.5E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
204	2	PAH, Total	6.20E-02	mg/kg	1.2E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	2	Uranium-238	3.92E+00	pCi/g	1.2E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
204	5	Arsenic	5.67E+01	mg/kg	9.2E-05	6.14E-01	6.14E+00	6.14E+01	<0.1	n/a	n/a	n/a
204	5	Uranium-238	5.65E+00	pCi/g	1.7E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
204	6	Uranium-238	3.63E+00	pCi/g	1.1E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
204	8	PAH, Total	7.37E-02	mg/kg	1.5E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	9	PAH, Total	5.01E+00	mg/kg	1.0E-04	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	10	PAH, Total	6.42E-02	mg/kg	1.3E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	11	PAH, Total	8.95E-02	mg/kg	1.8E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	12	PAH, Total	6.43E-02	mg/kg	1.3E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	13	PAH, Total	5.05E-01	mg/kg	1.0E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	14	Arsenic	1.36E+02	mg/kg	2.2E-04	6.14E-01	6.14E+00	6.14E+01	1.3	1.03E+01	1.03E+02	3.10E+02
204	14	PAH, Total	1.28E-01	mg/kg	2.5E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	14	Uranium-238	4.25E+00	pCi/g	1.3E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
204	15	Cesium-137	6.30E-01	pCi/g	2.3E-06	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
204	15	Uranium-238	5.37E+00	pCi/g	1.6E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
204	17	PAH, Total	5.99E-02	mg/kg	1.2E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	19	PAH, Total	1.30E-01	mg/kg	2.6E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	20	PCB, Total	7.90E+01	mg/kg	4.6E-04	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
204	20	Uranium	1.31E+04	mg/kg	n/a	n/a	n/a	n/a	3.9	3.34E+02	3.34E+03	1.00E+04
204	20	Cesium-137	1.17E+00	pCi/g	4.2E-06	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
204	20	Protactinium-231	3.65E+01	pCi/g	1.3E-05	2.76E+00	2.76E+01	2.76E+02	n/a	n/a	n/a	n/a
204	20	Uranium-234	4.45E+02	pCi/g	2.8E-05	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
204	20	Uranium-235	5.70E+01	pCi/g	6.5E-05	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Teen Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
204	20	Uranium-238	4.39E+03	pCi/g	1.3E-03	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
211	1	PAH, Total	1.04E-01	mg/kg	2.1E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
211	1	PCB, Total	3.60E-01	mg/kg	2.1E-06	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
211	1	Cesium-137	1.67E+00	pCi/g	6.0E-06	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
211	1	Neptunium-237	5.93E+00	pCi/g	9.8E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
211	1	Uranium-234	6.69E+01	pCi/g	4.1E-06	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
211	1	Uranium-238	1.19E+02	pCi/g	3.6E-05	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
224	1	PAH, Total	5.95E-01	mg/kg	1.2E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
224	1	Uranium-238	1.39E+01	pCi/g	4.2E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
225	1	PAH, Total	7.79E-02	mg/kg	1.5E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a

Grayed cells indicate EPC value is lower than RGO value or an RGO value is not applicable.

n/a = Not applicable because the COC was not applicable (i.e., the COC was of concern for HI but not ELCR or it was of concern for ELCR by not HI).

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Child Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
13	4	PAH, Total	4.13E-01	mg/kg	8.2E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
13	4	PCB, Total	1.05E+01	mg/kg	6.1E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
13	5	PAH, Total	4.41E-01	mg/kg	8.8E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
13	5	PCB, Total	6.66E+00	mg/kg	3.8E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
13	5	Uranium-234	2.57E+01	pCi/g	1.6E-06	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
13	5	Uranium-235	2.95E+00	pCi/g	3.4E-06	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
13	5	Uranium-238	4.60E+01	pCi/g	1.4E-05	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
13	6	PAH, Total	6.51E-01	mg/kg	1.3E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
13	6	PCB, Total	1.08E+01	mg/kg	6.2E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
13	6	Neptunium-237	1.25E+00	pCi/g	2.1E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
13	6	Uranium-234	2.04E+01	pCi/g	1.3E-06	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
13	6	Uranium-235	1.40E+00	pCi/g	1.6E-06	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
13	6	Uranium-238	4.17E+01	pCi/g	1.3E-05	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
13	9	Neptunium-237	6.88E-01	pCi/g	1.1E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
13	9	Uranium-238	4.07E+00	pCi/g	1.2E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
13	10	Iron	3.80E+04	mg/kg	n/a	n/a	n/a	n/a	0.3	1.37E+04	1.37E+05	4.11E+05
13	10	Manganese	3.09E+03	mg/kg	n/a	n/a	n/a	n/a	0.7	4.66E+02	4.66E+03	1.40E+04
13	10	Vanadium	1.30E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	9.85E+01	9.85E+02	2.95E+03
13	11	PCB, Total	1.03E+01	mg/kg	6.0E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
13	13	Iron	2.89E+04	mg/kg	n/a	n/a	n/a	n/a	0.2	1.37E+04	1.37E+05	4.11E+05
13	13	Manganese	1.13E+03	mg/kg	n/a	n/a	n/a	n/a	0.2	4.66E+02	4.66E+03	1.40E+04
13	13	Vanadium	1.19E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	9.85E+01	9.85E+02	2.95E+03
13	14	PCB, Total	6.46E+00	mg/kg	3.7E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	1	Antimony	7.49E+01	mg/kg	n/a	n/a	n/a	n/a	1	7.82E+00	7.82E+01	2.35E+02
15	1	Arsenic	1.27E+01	mg/kg	2.1E-05	6.14E-01	6.14E+00	6.14E+01	0.3	4.18E+00	4.18E+01	1.25E+02
15	1	Cadmium	1.56E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	1.27E+01	1.27E+02	3.81E+02
15	1	Iron	2.95E+04	mg/kg	n/a	n/a	n/a	n/a	0.2	1.37E+04	1.37E+05	4.11E+05
15	1	PAH, Total	1.71E+00	mg/kg	3.4E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	1	Thallium	2.40E-01	mg/kg	n/a	n/a	n/a	n/a	0.1	1.96E-01	1.96E+00	5.87E+00
15	2	Antimony	9.83E+01	mg/kg	n/a	n/a	n/a	n/a	1.3	7.82E+00	7.82E+01	2.35E+02
15	2	Arsenic	1.63E+01	mg/kg	2.6E-05	6.14E-01	6.14E+00	6.14E+01	0.4	4.18E+00	4.18E+01	1.25E+02
15	2	Iron	3.89E+04	mg/kg	n/a	n/a	n/a	n/a	0.3	1.37E+04	1.37E+05	4.11E+05
15	2	Mercury	9.33E+00	mg/kg	n/a	n/a	n/a	n/a	0.2	5.87E+00	5.87E+01	1.76E+02

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Child Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	2	PAH, Total	2.11E+00	mg/kg	4.2E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	2	PCB, Total	3.30E-01	mg/kg	1.9E-06	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	2	Uranium	1.32E+02	mg/kg	n/a	n/a	n/a	n/a	0.2	5.86E+01	5.86E+02	1.76E+03
15	2	Uranium-238	1.21E+01	pCi/g	3.7E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	3	Antimony	7.10E+01	mg/kg	n/a	n/a	n/a	n/a	0.9	7.82E+00	7.82E+01	2.35E+02
15	3	Arsenic	2.74E+01	mg/kg	4.5E-05	6.14E-01	6.14E+00	6.14E+01	0.7	4.18E+00	4.18E+01	1.25E+02
15	3	Cobalt	3.41E+01	mg/kg	n/a	n/a	n/a	n/a	0.6	5.86E+00	5.86E+01	1.76E+02
15	3	Copper	1.60E+03	mg/kg	n/a	n/a	n/a	n/a	0.2	7.82E+02	7.82E+03	2.35E+04
15	3	Iron	9.20E+04	mg/kg	n/a	n/a	n/a	n/a	0.7	1.37E+04	1.37E+05	4.11E+05
15	3	Manganese	1.60E+03	mg/kg	n/a	n/a	n/a	n/a	0.3	4.66E+02	4.66E+03	1.40E+04
15	3	Mercury	1.05E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	5.87E+00	5.87E+01	1.76E+02
15	3	Nickel	8.38E+02	mg/kg	n/a	n/a	n/a	n/a	0.2	3.90E+02	3.90E+03	1.17E+04
15	3	PAH, Total	1.45E+00	mg/kg	2.9E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	3	PCB, Total	6.82E+00	mg/kg	3.9E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	3	Thallium	2.60E-01	mg/kg	n/a	n/a	n/a	n/a	0.1	1.96E-01	1.96E+00	5.87E+00
15	3	Uranium	2.16E+02	mg/kg	n/a	n/a	n/a	n/a	0.4	5.86E+01	5.86E+02	1.76E+03
15	3	Neptunium-237	3.24E+00	pCi/g	5.4E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
15	3	Uranium-234	1.40E+02	pCi/g	8.7E-06	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
15	3	Uranium-235	1.49E+01	pCi/g	1.7E-05	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
15	3	Uranium-238	8.68E+02	pCi/g	2.6E-04	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	4	Antimony	7.63E+01	mg/kg	n/a	n/a	n/a	n/a	1	7.82E+00	7.82E+01	2.35E+02
15	4	Arsenic	3.37E+01	mg/kg	5.5E-05	6.14E-01	6.14E+00	6.14E+01	0.8	4.18E+00	4.18E+01	1.25E+02
15	4	Cadmium	1.86E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	1.27E+01	1.27E+02	3.81E+02
15	4	Iron	6.90E+04	mg/kg	n/a	n/a	n/a	n/a	0.5	1.37E+04	1.37E+05	4.11E+05
15	4	Manganese	1.29E+03	mg/kg	n/a	n/a	n/a	n/a	0.3	4.66E+02	4.66E+03	1.40E+04
15	4	Mercury	3.04E+01	mg/kg	n/a	n/a	n/a	n/a	0.5	5.87E+00	5.87E+01	1.76E+02
15	4	Nickel	1.24E+03	mg/kg	n/a	n/a	n/a	n/a	0.3	3.90E+02	3.90E+03	1.17E+04
15	4	PAH, Total	1.75E+00	mg/kg	3.5E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	4	PCB, Total	3.13E+01	mg/kg	1.8E-04	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	4	Uranium	1.29E+02	mg/kg	n/a	n/a	n/a	n/a	0.2	5.86E+01	5.86E+02	1.76E+03
15	4	Neptunium-237	6.60E-01	pCi/g	1.1E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
15	4	Uranium-238	1.35E+01	pCi/g	4.1E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	5	Antimony	1.01E+02	mg/kg	n/a	n/a	n/a	n/a	1.3	7.82E+00	7.82E+01	2.35E+02
15	5	Arsenic	1.28E+01	mg/kg	2.1E-05	6.14E-01	6.14E+00	6.14E+01	0.3	4.18E+00	4.18E+01	1.25E+02

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Child Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	5	Cadmium	1.46E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	1.27E+01	1.27E+02	3.81E+02
15	5	Copper	5.63E+03	mg/kg	n/a	n/a	n/a	n/a	0.7	7.82E+02	7.82E+03	2.35E+04
15	5	PAH, Total	5.11E-01	mg/kg	1.0E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	5	PCB, Total	2.51E+01	mg/kg	1.5E-04	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	5	Uranium	1.76E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	5.86E+01	5.86E+02	1.76E+03
15	5	Neptunium-237	6.90E-01	pCi/g	1.1E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
15	5	Uranium-238	1.03E+01	pCi/g	3.1E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	6	Antimony	8.85E+01	mg/kg	n/a	n/a	n/a	n/a	1.1	7.82E+00	7.82E+01	2.35E+02
15	6	Arsenic	1.24E+01	mg/kg	2.0E-05	6.14E-01	6.14E+00	6.14E+01	0.3	4.18E+00	4.18E+01	1.25E+02
15	6	Cadmium	1.64E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	1.27E+01	1.27E+02	3.81E+02
15	6	Cobalt	1.62E+01	mg/kg	n/a	n/a	n/a	n/a	0.3	5.86E+00	5.86E+01	1.76E+02
15	6	Iron	3.29E+04	mg/kg	n/a	n/a	n/a	n/a	0.2	1.37E+04	1.37E+05	4.11E+05
15	6	PAH, Total	1.62E+00	mg/kg	3.2E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	6	PCB, Total	6.17E+00	mg/kg	3.6E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	6	Uranium	6.30E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	5.86E+01	5.86E+02	1.76E+03
15	6	Neptunium-237	6.40E-01	pCi/g	1.1E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
15	6	Uranium-238	1.54E+01	pCi/g	4.7E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	7	Antimony	1.37E+02	mg/kg	n/a	n/a	n/a	n/a	1.8	7.82E+00	7.82E+01	2.35E+02
15	7	Arsenic	1.61E+01	mg/kg	2.6E-05	6.14E-01	6.14E+00	6.14E+01	0.4	4.18E+00	4.18E+01	1.25E+02
15	7	Cadmium	1.80E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	1.27E+01	1.27E+02	3.81E+02
15	7	Copper	8.29E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	7.82E+02	7.82E+03	2.35E+04
15	7	Iron	3.42E+04	mg/kg	n/a	n/a	n/a	n/a	0.2	1.37E+04	1.37E+05	4.11E+05
15	7	Manganese	1.18E+03	mg/kg	n/a	n/a	n/a	n/a	0.3	4.66E+02	4.66E+03	1.40E+04
15	7	Nickel	5.59E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	3.90E+02	3.90E+03	1.17E+04
15	7	PAH, Total	1.59E-01	mg/kg	3.2E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	7	PCB, Total	2.57E+01	mg/kg	1.5E-04	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	7	Thallium	3.00E-01	mg/kg	n/a	n/a	n/a	n/a	0.2	1.96E-01	1.96E+00	5.87E+00
15	7	Uranium-238	8.05E+00	pCi/g	2.5E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	8	Antimony	7.42E+01	mg/kg	n/a	n/a	n/a	n/a	0.9	7.82E+00	7.82E+01	2.35E+02
15	8	Arsenic	1.17E+01	mg/kg	1.9E-05	6.14E-01	6.14E+00	6.14E+01	0.3	4.18E+00	4.18E+01	1.25E+02
15	8	Cadmium	1.68E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	1.27E+01	1.27E+02	3.81E+02
15	8	Iron	2.83E+04	mg/kg	n/a	n/a	n/a	n/a	0.2	1.37E+04	1.37E+05	4.11E+05
15	8	Mercury	1.01E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	5.87E+00	5.87E+01	1.76E+02
15	8	PAH, Total	3.59E-01	mg/kg	7.1E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Child Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
15	8	PCB, Total	5.01E+00	mg/kg	2.9E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	8	Uranium-238	6.64E+00	pCi/g	2.0E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	9	Antimony	1.12E+02	mg/kg	n/a	n/a	n/a	n/a	1.4	7.82E+00	7.82E+01	2.35E+02
15	9	Arsenic	1.10E+01	mg/kg	1.8E-05	6.14E-01	6.14E+00	6.14E+01	0.3	4.18E+00	4.18E+01	1.25E+02
15	9	Cadmium	1.81E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	1.27E+01	1.27E+02	3.81E+02
15	9	Iron	2.76E+04	mg/kg	n/a	n/a	n/a	n/a	0.2	1.37E+04	1.37E+05	4.11E+05
15	9	PAH, Total	2.38E-01	mg/kg	4.7E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	9	PCB, Total	6.31E+00	mg/kg	3.6E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
15	9	Uranium-238	7.12E+00	pCi/g	2.2E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
15	10	Antimony	1.25E+02	mg/kg	n/a	n/a	n/a	n/a	1.6	7.82E+00	7.82E+01	2.35E+02
15	10	Cadmium	1.67E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	1.27E+01	1.27E+02	3.81E+02
15	10	Mercury	7.84E+00	mg/kg	n/a	n/a	n/a	n/a	0.1	5.87E+00	5.87E+01	1.76E+02
15	10	PAH, Total	1.28E-01	mg/kg	2.6E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
15	10	Uranium	9.02E+01	mg/kg	n/a	n/a	n/a	n/a	0.2	5.86E+01	5.86E+02	1.76E+03
26	1	Iron	2.88E+04	mg/kg	n/a	n/a	n/a	n/a	0.2	1.37E+04	1.37E+05	4.11E+05
26	1	PAH, Total	1.97E-01	mg/kg	3.90E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
26	1	PCB, Total	9.40E+00	mg/kg	5.40E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
26	1	Uranium	6.28E+02	mg/kg	n/a	n/a	n/a	n/a	1.1	5.86E+01	5.86E+02	1.76E+03
26	1	Vanadium	1.61E+02	mg/kg	n/a	n/a	n/a	n/a	0.2	9.85E+01	9.85E+02	2.95E+03
26	1	Uranium-235	1.23E+00	pCi/g	1.40E-06	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
26	1	Uranium-238	6.75E+01	pCi/g	2.10E-05	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
26	2	Aluminum	2.61E+04	mg/kg	n/a	n/a	n/a	n/a	0.1	1.95E+04	1.95E+05	5.85E+05
26	2	Arsenic	4.23E+01	mg/kg	6.90E-05	6.14E-01	6.14E+00	6.14E+01	1	4.18E+00	4.18E+01	1.25E+02
26	2	Cobalt	6.59E+01	mg/kg	n/a	n/a	n/a	n/a	1.1	5.86E+00	5.86E+01	1.76E+02
26	2	Iron	5.20E+04	mg/kg	n/a	n/a	n/a	n/a	0.4	1.37E+04	1.37E+05	4.11E+05
26	2	PCB, Total	3.25E+00	mg/kg	1.90E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
26	2	Thallium	2.38E+01	mg/kg	n/a	n/a	n/a	n/a	12.2	1.96E-01	1.96E+00	5.87E+00
26	2	Uranium	7.18E+02	mg/kg	n/a	n/a	n/a	n/a	1.2	5.86E+01	5.86E+02	1.76E+03
26	2	Vanadium	1.16E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	9.85E+01	9.85E+02	2.95E+03
26	2	Cesium-137	9.52E+00	pCi/g	3.40E-05	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
26	2	Radium-228	1.69E+00	pCi/g	4.70E-06	3.60E-01	3.60E+00	3.60E+01	n/a	n/a	n/a	n/a
26	2	Uranium-234	1.98E+01	pCi/g	1.20E-06	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
26	2	Uranium-235	2.36E+00	pCi/g	2.70E-06	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
26	2	Uranium-238	5.01E+01	pCi/g	1.50E-05	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Child Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
26	3	Arsenic	7.56E+01	mg/kg	1.2E-04	6.14E-01	6.14E+00	6.14E+01	1.8	4.18E+00	4.18E+01	1.25E+02
26	3	Iron	3.46E+04	mg/kg	n/a	n/a	n/a	n/a	0.3	1.37E+04	1.37E+05	4.11E+05
26	3	PAH, Total	3.30E-01	mg/kg	6.6E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
26	3	PCB, Total	8.91E+00	mg/kg	5.1E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
26	3	Thallium	3.68E+00	mg/kg	n/a	n/a	n/a	n/a	1.9	1.96E-01	1.96E+00	5.87E+00
26	3	Uranium	2.05E+02	mg/kg	n/a	n/a	n/a	n/a	0.3	5.86E+01	5.86E+02	1.76E+03
26	3	Vanadium	1.44E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	9.85E+01	9.85E+02	2.95E+03
26	3	Cesium-137	4.51E+00	pCi/g	1.6E-05	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
26	3	Uranium-238	7.00E+00	pCi/g	2.1E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
26	4	Arsenic	6.01E+01	mg/kg	9.8E-05	6.14E-01	6.14E+00	6.14E+01	1.4	4.18E+00	4.18E+01	1.25E+02
26	4	Iron	2.81E+04	mg/kg	n/a	n/a	n/a	n/a	0.2	1.37E+04	1.37E+05	4.11E+05
26	4	Mercury	7.33E+01	mg/kg	n/a	n/a	n/a	n/a	1.2	5.87E+00	5.87E+01	1.76E+02
26	4	PAH, Total	5.53E+00	mg/kg	1.1E-04	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
26	4	PCB, Total	7.95E+00	mg/kg	4.6E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
26	4	Uranium	1.47E+03	mg/kg	n/a	n/a	n/a	n/a	2.5	5.86E+01	5.86E+02	1.76E+03
26	4	Vanadium	1.42E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	9.85E+01	9.85E+02	2.95E+03
26	4	Cesium-137	1.02E+00	pCi/g	3.7E-06	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
26	4	Neptunium-237	2.80E+00	pCi/g	4.6E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
26	4	Plutonium-239/240	1.35E+01	pCi/g	1.3E-06	1.05E+01	1.05E+02	1.05E+03	n/a	n/a	n/a	n/a
26	4	Technetium-99	8.36E+02	pCi/g	2.6E-06	3.18E+02	3.18E+03	3.18E+04	n/a	n/a	n/a	n/a
26	4	Thorium-230	5.48E+01	pCi/g	3.9E-06	1.42E+01	1.42E+02	1.42E+03	n/a	n/a	n/a	n/a
26	4	Uranium-234	2.15E+02	pCi/g	1.3E-05	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
26	4	Uranium-235	1.52E+01	pCi/g	1.7E-05	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
26	4	Uranium-238	8.49E+02	pCi/g	2.6E-04	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
77	1	Iron	5.03E+04	mg/kg	n/a	n/a	n/a	n/a	0.4	1.37E+04	1.37E+05	4.11E+05
77	1	PAH, Total	7.02E-02	mg/kg	1.4E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
77	1	PCB, Total	5.00E+00	mg/kg	2.9E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
77	1	Uranium	6.66E+02	mg/kg	n/a	n/a	n/a	n/a	1.1	5.86E+01	5.86E+02	1.76E+03
77	1	Vanadium	1.68E+02	mg/kg	n/a	n/a	n/a	n/a	0.2	9.85E+01	9.85E+02	2.95E+03
77	1	Uranium-238	1.53E+01	pCi/g	4.7E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
80	1	Dioxins/Furans, Total	8.82E-05	mg/kg	1.2E-05	7.09E-06	7.09E-05	7.09E-04	n/a	n/a	n/a	n/a
80	1	PCB, Total	1.20E+02	mg/kg	6.9E-04	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
80	2	Antimony	5.82E+01	mg/kg	n/a	n/a	n/a	n/a	0.7	7.82E+00	7.82E+01	2.35E+02
80	2	Cobalt	1.90E+01	mg/kg	n/a	n/a	n/a	n/a	0.3	5.86E+00	5.86E+01	1.76E+02

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Child Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
80	2	Iron	3.52E+04	mg/kg	n/a	n/a	n/a	n/a	0.3	1.37E+04	1.37E+05	4.11E+05
80	2	PAH, Total	7.21E-01	mg/kg	1.4E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
80	2	PCB, Total	1.26E+01	mg/kg	7.3E-05	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
80	2	Uranium	5.72E+03	mg/kg	n/a	n/a	n/a	n/a	9.8	5.86E+01	5.86E+02	1.76E+03
80	2	Vanadium	1.29E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	9.85E+01	9.85E+02	2.95E+03
80	2	Cesium-137	8.40E-01	pCi/g	3.0E-06	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
80	2	Uranium-234	2.29E+02	pCi/g	1.4E-05	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
80	2	Uranium-235	3.00E+01	pCi/g	3.4E-05	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
80	2	Uranium-238	1.92E+03	pCi/g	5.8E-04	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
80	3	Iron	3.05E+04	mg/kg	n/a	n/a	n/a	n/a	0.2	1.37E+04	1.37E+05	4.11E+05
80	3	Manganese	9.46E+02	mg/kg	n/a	n/a	n/a	n/a	0.2	4.66E+02	4.66E+03	1.40E+04
80	3	PCB, Total	5.66E+02	mg/kg	3.3E-03	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
80	3	Uranium	7.32E+01	mg/kg	n/a	n/a	n/a	n/a	0.1	5.86E+01	5.86E+02	1.76E+03
80	3	Vanadium	1.21E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	9.85E+01	9.85E+02	2.95E+03
204	1	PAH, Total	4.93E-01	mg/kg	9.8E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	2	Arsenic	4.59E+01	mg/kg	7.5E-05	6.14E-01	6.14E+00	6.14E+01	1.1	4.18E+00	4.18E+01	1.25E+02
204	2	PAH, Total	6.20E-02	mg/kg	1.2E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	2	Vanadium	1.20E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	9.85E+01	9.85E+02	2.95E+03
204	2	Uranium-238	3.92E+00	pCi/g	1.2E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
204	4	Iron	2.92E+04	mg/kg	n/a	n/a	n/a	n/a	0.2	1.37E+04	1.37E+05	4.11E+05
204	4	Vanadium	1.39E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	9.85E+01	9.85E+02	2.95E+03
204	5	Arsenic	5.67E+01	mg/kg	9.2E-05	6.14E-01	6.14E+00	6.14E+01	1.4	4.18E+00	4.18E+01	1.25E+02
204	5	Vanadium	1.21E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	9.85E+01	9.85E+02	2.95E+03
204	5	Uranium-238	5.65E+00	pCi/g	1.7E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
204	6	Uranium-238	3.63E+00	pCi/g	1.1E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
204	8	PAH, Total	7.37E-02	mg/kg	1.5E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	9	PAH, Total	5.01E+00	mg/kg	1.0E-04	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	10	PAH, Total	6.42E-02	mg/kg	1.3E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	11	PAH, Total	8.95E-02	mg/kg	1.8E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	12	PAH, Total	6.43E-02	mg/kg	1.3E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	13	PAH, Total	5.05E-01	mg/kg	1.0E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	14	Arsenic	1.36E+02	mg/kg	2.2E-04	6.14E-01	6.14E+00	6.14E+01	3.3	4.18E+00	4.18E+01	1.25E+02
204	14	Iron	3.17E+04	mg/kg	n/a	n/a	n/a	n/a	0.2	1.37E+04	1.37E+05	4.11E+05
204	14	PAH, Total	1.28E-01	mg/kg	2.5E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option

Table D.47. RGOs for the Soils OU RI 2 SWMUs (Continued)

Child Recreational User Soil Exposure

SWMU	EU	COC	EPC	Units	ELCR	RGO at ELCR=1E-6	RGO at ELCR=1E-5	RGO at ELCR=1E-4	HI	RGO at HI=0.1	RGO at HI=1	RGO at HI=3
204	14	Uranium	1.34E+02	mg/kg	n/a	n/a	n/a	n/a	0.2	5.86E+01	5.86E+02	1.76E+03
204	14	Vanadium	1.43E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	9.85E+01	9.85E+02	2.95E+03
204	14	Uranium-238	4.25E+00	pCi/g	1.3E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
204	15	Cesium-137	6.30E-01	pCi/g	2.3E-06	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
204	15	Uranium-238	5.37E+00	pCi/g	1.6E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
204	17	PAH, Total	5.99E-02	mg/kg	1.2E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	19	PAH, Total	1.30E-01	mg/kg	2.6E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
204	20	PCB, Total	7.90E+01	mg/kg	4.6E-04	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
204	20	Uranium	1.31E+04	mg/kg	n/a	n/a	n/a	n/a	22.3	5.86E+01	5.86E+02	1.76E+03
204	20	Vanadium	1.14E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	9.85E+01	9.85E+02	2.95E+03
204	20	Cesium-137	1.17E+00	pCi/g	4.2E-06	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
204	20	Protactinium-231	3.65E+01	pCi/g	1.3E-05	2.76E+00	2.76E+01	2.76E+02	n/a	n/a	n/a	n/a
204	20	Uranium-234	4.45E+02	pCi/g	2.8E-05	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
204	20	Uranium-235	5.70E+01	pCi/g	6.5E-05	8.75E-01	8.75E+00	8.75E+01	n/a	n/a	n/a	n/a
204	20	Uranium-238	4.39E+03	pCi/g	1.3E-03	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
211	1	Antimony	6.52E+01	mg/kg	n/a	n/a	n/a	n/a	0.8	7.82E+00	7.82E+01	2.35E+02
211	1	Iron	3.05E+04	mg/kg	n/a	n/a	n/a	n/a	0.2	1.37E+04	1.37E+05	4.11E+05
211	1	PAH, Total	1.04E-01	mg/kg	2.1E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
211	1	PCB, Total	3.60E-01	mg/kg	2.1E-06	1.73E-01	1.73E+00	1.73E+01	n/a	n/a	n/a	n/a
211	1	Thallium	3.30E-01	mg/kg	n/a	n/a	n/a	n/a	0.2	1.96E-01	1.96E+00	5.87E+00
211	1	Vanadium	1.01E+02	mg/kg	n/a	n/a	n/a	n/a	0.1	9.85E+01	9.85E+02	2.95E+03
211	1	Cesium-137	1.67E+00	pCi/g	6.0E-06	2.79E-01	2.79E+00	2.79E+01	n/a	n/a	n/a	n/a
211	1	Neptunium-237	5.93E+00	pCi/g	9.8E-06	6.03E-01	6.03E+00	6.03E+01	n/a	n/a	n/a	n/a
211	1	Uranium-234	6.69E+01	pCi/g	4.1E-06	1.61E+01	1.61E+02	1.61E+03	n/a	n/a	n/a	n/a
211	1	Uranium-238	1.19E+02	pCi/g	3.6E-05	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
224	1	Antimony	1.08E+02	mg/kg	n/a	n/a	n/a	n/a	1.4	7.82E+00	7.82E+01	2.35E+02
224	1	PAH, Total	5.95E-01	mg/kg	1.2E-05	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a
224	1	Uranium-238	1.39E+01	pCi/g	4.2E-06	3.29E+00	3.29E+01	3.29E+02	n/a	n/a	n/a	n/a
225	1	PAH, Total	7.79E-02	mg/kg	1.5E-06	5.03E-02	5.03E-01	5.03E+00	n/a	n/a	n/a	n/a

Grayed cells indicate EPC value is lower than RGO value or an RGO value is not applicable.

n/a = Not applicable because the COC was not applicable (i.e., the COC was of concern for HI but not ELCR or it was of concern for ELCR by not HI).

SWMU = solid waste management unit
EU = exposure unit
COC = contaminant of concern
EPC = exposure point concentration
ELCR = excess lifetime cancer risk
HI = hazard index
RGO = remedial goal option