

Table F-33. Environmental Data for L-Area Waste Sites

Waste site	Areal extent of site (m)	Distance to nearest wetland (m)	Area of wetlands within 200 m/1000 m (acres)	Endangered species data	Non-PATHRAE-modeled groundwater contaminants exceeding freshwater biota criteria ^a			Area of ground-water outcrop; distance (m) to outcrop	Dilution factor ^d
					Contaminant	Reported level ^b	Criterion ^c		
L-Area burning/rubble pit 131-L ^e	8.8 x 70.1	1035	0/0	No endangered species or suitable habitat observed in vicinity ^g ; however, the bald eagle has been sighted in the general L-Area ^j	pH Silver Cadmium Copper Iron Zinc Gross alpha	4.3 0.002 0.004 0.012 5.1 0.052 24.	6.5-9.0 0.00015 0.00025 0.0029 1.0 0.047 15.0	Pen Branch; 1220	2.2 x 10 ⁻³¹
L-Area acid/caustic basin 904-79G ^f	15.2 x 15.2	400	0/234	No endangered species or suitable habitat observed in vicinity ^g ; however, the bald eagle has been sighted in the general L-Area ^j	pH Beryllium Cadmium Iron Zinc	4.4 0.006 0.002 7.5 0.4	6.5-9.0 0.0053 0.00031 1.0 0.047	Steel Creek/Headwaters of L-Lake; 270	1.42 x 10 ⁻⁵ ; based on Steel Creek flow
CMP pit 080-17G ^g	3 to 5 x 15 to 23	200	0.6/86	No endangered species or suitable habitat observed in vicinity ^g ; however, the bald eagle has been sighted in the general L-Area ^j	pH Silver Cadmium Copper Zinc Gross alpha Radium	4.8 0.002 0.002 0.01 5.9 95.0 12.0	6.5-9.0 0.00015 0.00025 0.0022 0.047 15.0 5.0	Pen Branch; 800	1.76 x 10 ⁻³
CMP pit 080-18.2G ^g	3 to 5 x 15 to 23	200	0.6/86	No endangered species or suitable habitat observed in vicinity ^g ; however, the bald eagle	pH Silver Cadmium Copper Zinc Gross alpha Radium	4.8 0.002 0.002 0.01 5.9 95.0 11.0	6.5-9.0 0.00015 0.00025 0.0022 0.047 15.0 5.0	Pen Branch; 800	1.76 x 10 ⁻³

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Table F-33. Environmental Data for L-Area Waste Sites (continued)

Waste site	Areal extent of site (m)	Distance to nearest wetland (m)	Area of wetlands within 200 m/1000 m (acres)	Non-PATHAE-modeled groundwater contaminants exceeding freshwater biota criteria ^a			Area of groundwater outcrop; distance (m) to outcrop	Dilution factor ^d
				Contaminant	Reported level ^b	Criterion ^c		
CMP pit 080-18.36g	3 to 5 x 15 to 23	200	0.6/86	pH Silver Cadmium Copper Zinc Gross alpha Radium	4.8 0.002 0.002 0.01 5.9 95.0 12.0	6.5-9.0 0.00015 0.00025 0.00022 0.047 15.0 5.0	Pen Branch; 800	1.76 x 10 ⁻³
CMP pit 080-1969	3 to 5 x 15 to 23	200	0.6/86	pH Silver Cadmium Copper Zinc Gross alpha Radium	4.8 0.002 0.002 0.01 5.9 95.0 12.0	6.5-9.0 0.00015 0.00025 0.00022 0.047 15.0 5.0	Pen Branch; 800	1.76 x 10 ⁻³
CMP pit 080-17.16g	3 to 5 x 15 to 23	200	0.6/86	pH Silver Cadmium Copper Zinc Gross Alpha Radium	4.8 0.002 0.002 0.01 5.9 95.0 12.0	6.5-9.0 0.00015 0.00025 0.00022 0.047 15.0 5.0	Pen Branch; 800	1.76 x 10 ⁻³

Table F-33. Environmental Data for L-Area Waste Sites (continued)

Waste site	Areal extent of site (m)	Distance to nearest wetland (m)	Area of wetlands within 200 m/1000 m (acres)	Endangered species data	Non-PATHRAE-modeled groundwater contaminants exceeding freshwater biota criteria ^a			Area of ground-water outcrop; distance (m) to outcrop	Dilution factor ^d
					Contaminant	Reported level ^b	Criterion ^c		
CMP pit 080-18G ^g	3 to 5 x 15 to 23	200	0.6/86	No endangered species or suitable habitat observed in vicinity ^g ; however, the bald eagle has been sighted in the general L-Area ^j	pH Silver Cadmium Copper Zinc Gross alpha Radium	4.8 0.002 0.002 0.01 5.9 95.0 12.0	6.5-9.0 0.00015 0.00025 0.0022 0.047 15.0 5.0	Pen Branch; 800	1.76 x 10 ⁻³
CMP pit 080-18.1G ^g	3-5 x 15-23	200	0.6/86	No endangered species or suitable habitat observed in vicinity ^g ; however, the bald eagle has been sighted in the general L-Area ^j	pH Silver Cadmium Copper Zinc Gross alpha Radium	4.8 0.002 0.002 0.01 5.9 95.0 12.0	6.5-9.0 0.00015 0.00025 0.0022 0.047 15.0 5.0	Pen Branch; 800	1.76 x 10 ⁻³
L-Area Bingham pump outage pit 643-2G ^h	9 x 130	400	0/14	No endangered species or suitable habitat observed within vicinity ^h ; however, the bald eagle has been sighted in the general L-Area ^j	No data available			Pen Branch; 4.86 x 10 ⁻³ 350	

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Table F-33. Environmental Data for L-Area Waste Sites (continued)

Waste site	Areal extent of site (m)	Distance to nearest wetland (m)	Area of wetlands within 200 m/1000 m (acres)	Endangered species data	Non-PATHRAE-modeled groundwater contaminants exceeding freshwater biota criteria ^a			Area of ground-water outcrop; distance (m) to outcrop	Dilution factor ^d
					Contaminant	Reported level ^b	Criterion ^c		
L-Area Bingham pump outage pit 643-3G ^h	8 x 144	400	0/14	No endangered species or suitable habitat observed within vicinity ^h ; however, the bald eagle has been sighted in the general L-Area ^j	No data available			Pen Branch; 350	4.86 x 10 ⁻³
L-Area oil and chemical basin 904-83G ⁱ	24 x 36	400 (L-Lake)	0/248	The alligator has been observed in the L-Reactor discharge canal 420 m from the basin. Habitats within 200 m are not suitable for endangered species.	pH Copper Iron Zinc	4.4 0.014 14. 0.087	6.5-9.0 0.0029 1.0 0.047	Headwaters of L-Lake; 600	8.78 x 10 ⁻⁵ , based on Steel Creek flow

^aConcentrations are in milligrams per liter for chemicals and picocuries per liter for radionuclides.^bAverage value for groundwater well containing the highest concentration.^cBased on ICRP 30, 1979; EPA, 1985b,c; National Technical Advisory Committee, 1968.^dEquivalent to groundwater flux divided by flow rate of receiving stream.^eData from Huber, Johnson, and Marine, 1987, except as otherwise indicated.^fData from Ward, Johnson, and Marine, 1987, except as otherwise indicated.^gData from Scott, Kolb, Price, and Bledsoe, 1987, except as otherwise indicated.^hData from Pekkala, Jewell, Holmes, and Marine, 1987a, except as otherwise indicated.ⁱData from Pekkala, Jewell, Price, and Bledsoe, 1987, except as otherwise indicated.^jData from Mayer, Hoppe, and Kennamer, 1986.^kData on area not given in site specific reference; however, based on other nearby waste sites, endangered species or suitable habitat are not expected.^lCalculation based on groundwater flux for C-Area burning/rubble pit.

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