

TABLE 5-1

SUMMARY OF RISK-BASED CONCENTRATION EXCEEDANCES BY MEDIA, LOCATION, AND CONSTITUENT

MEDIA	STUDY AREA	CONSTITUENT(S)	EXCEEDANCES
Soil	Capped Landfills Area	None	No unacceptable exposures
	RCRA Canyon	Barium; Chromium; Copper; Zinc	Eco RBC Exceedance
	West Canyon Spray Area	Chromium; Copper; Zinc	Eco RBC Exceedance
	Burial Trench Area	Total DDT; Dioxin TEQ; TCE; Copper	Eco RBC Exceedance
	Central Drainage Area	Dioxin TEQ	HH RBC exceedance (One location)
		Total DDT; TCE; Dioxin TEQ; Barium; Chromium	Eco RBC Exceedance
	Liquids Treatment	MCPD	HH RBC Exceedance (One Location)
		Total DDT; MCPD; Chromium; Copper; Zinc	Eco RBC Exceedance
	Maintenance Shed Area	Dioxin TEQ	HH RBC Exceedance (One location)
		Total DDT; Dioxin TEQ; Barium; Chromium; Copper;	Eco RBC Exceedance
	Administration Building Area	None	No unacceptable exposures
	Roadways Area	Total DDT; Chromium; Copper; Zinc	Eco RBC Exceedance
	Former Ponds & Pads and Remaining Onsite Areas	PCE	HH RBC exceedance (One location)
Total DDT; PCE; TCE; Total PCB congeners; Barium; Chromium; Copper		Eco RBC Exceedance	
Off-Site Soils	None	No unacceptable exposures	

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MEDIA	STUDY AREA	CONSTITUENT(S)	EXCEEDANCES
Sediment	Stormwater Ponds	MCP	Eco RBC Exceedance
	Treated Liquids Impoundments	MCP	Eco RBC exceedance
	Off-site Sediments	None	No unacceptable exposures
Soil Vapor	Central Drainage Area	PCE	No unacceptable exposures
	Former Ponds & Pads	PCE, TCE	No unacceptable exposures
	Burial Trench Area	TCE	No unacceptable exposures
	North Drainage	1,3-Butadiene	HHRA Exceedance - Offsite resident (hypothetical)
Surface Water (On-site Ponds)	Stormwater Ponds	Arsenic	HHRA Exceedance - Industrial workers
		Arsenic; Barium; Nickel; Seleniim	Eco Exceedance - Aquatic plants, aquatic life
	Treated Liquids Impondments	None	No unacceptable exposures
Surface Water (On-site drainages)	On-site	None	No unacceptable exposures
Surface-Water (Off-site drainages)	Off-site	None	No unacceptable exposures
Groundwater	On/Off-site	None	No unacceptable exposures

NOTES:

Eco RBC Exceedance - Listed constituents exceed site specific ecological risk-based concentration. See Section 9 and Appendix U for details of ecological risk assessment findings.

HH RBC Exceedance - Listed constituents exceed site-specific human health risk-based concentrations- See Section 8 and Appendix T for details of the human health risk assessment findings.

HHRA Exceedance - Chemical was identified as a risk-driver in the HHRA (see Appendix T)

Eco Exceedance - Chemical was identified as a risk-driver in the ERA (see Appendix U)

It should be noted that while there may be a few individual samples in a Study Area that exceed a RBC, the Study Area as a whole may not pose a significant risk due to the use of the 95UCL concentration in the ERA and HHRA. The 95UCL concentration better represents the concentration a receptor may be exposed to on a regular basis. The sample-specific comparison to the RBCs presented in this section is to only provide context to the discussion of nature and extent of constituents across the Site.