

Table F-24. Predicted Maximum Concentrations of Various Constituents at the New TNX Seepage Basin^{a,b}

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Constituent	Applicable standard ^d	Monitoring data maximum mean concentration	PATHRAE-modeled maximum concentration without remedial action ^c					
			No action		No waste removal and closure		Waste removal and closure	
			1-m well	100-m well	1-m well	100-m well	1-m well	100-m well
Barium	1.0	(e)	5.7 (2059)	(e)	1.3 (2110)	(e)	(e)	(e)
Chromium	0.05	(e)	0.15 (2563)	(e)	0.062 (2614)	(e)	(e)	(e)
Nitrate	10	(e)	4500 (1987)	1900 (1990)	1000 (2005)	940 (2007)	1000 (2005)	940 (2007)
Uranium-238	24	(f)	29 (2563)	(e)	(e)	(e)	(e)	(e)

^aConcentrations are in milligrams per liter for chemicals and picocuries per liter for radionuclides.

^bSource: Dunaway, Johnson, Kingley, Simmons, and Bledsoe, 1987b; Dunaway, 1987b.

^cYear of occurrence in parentheses.

^dEPA, 1985b, except where noted; ICRP Publication 30 (ICRP, 1979) methodology was used to calculate radionuclide concentrations that yield annual effective whole-body dose of 4 millirem.

^eBelow standard.

^fNot reported; gross alpha below standard.

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