

Table A-13. M-Area Settling Basin Contaminant Potential<sup>a</sup>

Parameter	Contamination potential	Known releases from process	Concentration in basin influent		Number of wells failing student's t-test
			Maximum	Average	
Total dissolved solids	Possible	--	--	--	1
Chloride	Possible	Frequent	--	--	1
Dissolved organic carbon	Probable	Frequent	--	--	1
Cadmium	Improbable	None known	0.008 ppm	0.005 ppm	1
Copper <sup>b</sup>	Improbable	None known	0.04 ppm	0.04 ppm	1
Manganese	Improbable	None known	<0.005 ppm	<0.005 ppm	3
Nickel <sup>b</sup>	Possible	Frequent	1.55 ppm	0.68 ppm	3
Nitrate	Probable	Frequent <sup>c</sup>	1190 ppm	151 ppm	1
Gross alpha	Possible	Frequent	--	--	2
Radium	Possible	Frequent	--	--	3
Gas-chromatograph scan	Probable	Infrequent	--	--	2
Phenol	Improbable	None known	--	--	1

<sup>a</sup>Adapted from Du Pont, 1985a.

<sup>b</sup>In 1982, core samples 4.6 meters deep were taken from basin. Analyses of cores indicated that concentrations of this metal reached background levels at depth of 1.2 meters.

<sup>c</sup>In excess of 454 kilograms per year.