

TABLE 3.—DELISTING AND RISK LEVELS CALCULATED BY DRAS WITH EPACMTP MODEL FOR BEKAERT'S—PETITIONED WASTE BASED ON LIMITING PATHWAY—Continued

Constituent	Delisting level in TCLP based on limiting pathway	DAF	DRAS-calculated risk for maximum concentration of carcinogen in waste	DRAS-calculated hazard quotient for maximum concentration of non-carcinogen in waste
Chromium	⁴ 49.71 × 10	3850	.....	1.000
Copper	⁴ 4.71 × 10	7010	.....	10.000
Cyanide	60.5	18	.....	1.000
Lead	⁵ 5.0	5000	.....	.....
Nickel	127	37.6	.....	1.000
Selenium	⁶ 9.74	11.6	.....	1.000
Silver	⁶ 17.2	20.5	.....	1.000
Mercury	⁶ 0.364	74.5	.....	2.000
Zinc	1260	24.9	.....	1.000
Total Hazard Quotient for All Waste Constituents .....	.....	.....	.....	21.400
Total Carcinogenic Risk for the Waste (due to Arsenic, Cadmium, Hexavalent Chromium) .....	.....	.....	1.01 × 10 ⁻⁵	.....

⁴ Level exceeds characteristic level for this constituent. Therefore, this concentration in TCLP cannot be used for means of delisting the waste.

⁵ Lead had no limiting value, therefore, characteristic level was used in place of limiting pathway.

⁶ Concentration calculated here exceeds characteristic level for this constituent. Although the carcinogenic risk is acceptable, the calculated hazard quotient exceeds the necessary standard. Additionally, 4 constituents exceed the TCLP characteristic level for hazardous waste.

TABLE 4.—DELISTING AND RISK LEVELS CALCULATED BY DRAS WITH EPACMTP MODEL FOR BEKAERT'S PETITIONED WASTE BASED ON MCLS

Constituent	MCL or drinking water standard (mg/l)	Delisting level (mg/l TCLP)	DAF	DRAS-calculated risk for maximum concentration of carcinogen in waste	DRAS-calculated hazard quotient for maximum concentration of non-carcinogen in waste
Inorganic Constituents					
Antimony	0.006	0.922	34.3	.....	4.00 × 10 ⁻¹
Arsenic	0.010	0.516	19.2	6.16 × 10 ⁻⁵	2.67 × 10 ⁻¹
Barium	2.0	⁷ 249	27.8	.....	7.60 × 10 ⁻¹
Cadmium	0.005	0.672	30.0	3.45 × 10 ⁻¹²	2.66 × 10 ⁻¹
Chromium	0.10	⁷ 1720	3850	.....	1.77 × 10 ⁻³
Copper	⁸ 1.30	40800	7010	.....	8.66 × 10 ⁻¹
Cyanide	0.20	16.1	18	.....	1.33 × 10 ⁻¹
Lead	0.015	⁷ 336	5000	.....	.....
Nickel	⁹ 0.10	16.9	37.6	.....	1.34 × 10 ⁻¹
Selenium	0.05	⁷ 2.60	11.6	.....	1.33 × 10 ⁻¹
Silver	⁸ 0.10	⁷ 9.16	20.5	.....	2.66 × 10 ⁻¹
Mercury	0.002	0.149	74.5	.....	1.83
Zinc	⁸ 5.0	558	24.9	.....	4.44 × 10 ⁻¹
Total Hazard Quotient for All Waste Constituents .....	.....	.....	.....	.....	5.50
Total Carcinogenic Risk for the Waste (due to Arsenic, Cadmium, Hexavalent Chromium) .....	.....	.....	.....	6.16 × 10 ⁻⁵	.....

⁷ DRAS Calculated level exceeds TCLP Characteristic level for this constituent.

⁸ The Safe Drinking Water Act standard is a recommended secondary standard, rather than an enforceable MCL.

⁹ MCL for Nickel was remanded on February 9, 1995, such that no legal limit exists. However, it is still recommended that nickel be monitored and exposure minimized until such time EPA reconsiders the MCL standard.