

Table B-25. Site Investigations and Monitoring at Waste Management Facilities in the TNX-Area Geographic Grouping^a

Facility	RCRA monitoring well ^b	Site investigations	Monitoring results
HAZARDOUS WASTE SITES			
D-Area burning/rubble pits (431-D, 431-1D)	DBP 1 DBP 2 DBP 3 DBP 4	Wells monitored quarterly for RCRA and SCHWMR parameters. Sediment samples to be taken from facilities with similar inventories. If contamination is indicated, all burning/rubble pits with similar inventories will be tested.	Statistical analysis of groundwater monitoring data indicates the following to be present: <ul style="list-style-type: none"> ● pH ● Lead ● Nitrate ● Conductivity ● Manganese ● Sulfate ● Copper
LOW-LEVEL WASTE SITES			
TNX burial ground (643-5G)	None	No groundwater monitoring wells exist in immediate vicinity of TNX burying ground. No soil samples from burial area have been analyzed.	Uranyl nitrate is possible soil constituent.
MIXED WASTE SITES			
TNX seepage basin, old (904-76G)	XSB 1 ^C XSB 2 ^C XSB 3A ^C XSB 4 ^C XSB 5, 5A ^C XSB 3T ^C	Wells monitored quarterly for RCRA and SCHWMR parameters. Basin-sediment and swamp-sediment characterization program completed in 1984.	Statistical analysis of groundwater monitoring data indicates the following are present: <ul style="list-style-type: none"> ● pH ● Conductivity ● Barium* ● Chromium* ● Manganese* ● Zinc* ● Gross beta ● Gross alpha ● Radium ● Total organic halogen ● Total dissolved solids ● Cadmium* ● Copper* ● Iron* ● Sodium <p>*Probable sampling artifacts.</p>

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Table B-25. Site Investigations and Monitoring at Waste Management Facilities in the TNX-Area Geographic Grouping^a (continued)

Facility	RCRA monitoring well ^b	Site investigations	Monitoring results
MIXED WASTE SITES (continued)			
TNX seepage basin, new (904-102G)	YSB 1A YSB 2A YSB 3A YSB 4A	Wells monitored quarterly for RCRA and SCHWMMR parameters. Sediment-sampling program (1.5-m cores) conducted in fourth quarter of 1985.	<ul style="list-style-type: none"> ● Nickel ● Nitrate ● Total organic carbon ● Beryllium ● Lead <p>Basin-sediment samples contained:</p> <ul style="list-style-type: none"> ● Curium-243, -244 ● Plutonium-239, -240 ● Radium-228 ● Thorium-228 ● Uranium-235 ● Silver ● Chromium ● Copper ● Nickel ● Mercury ● Cyanide <p>Swamp-sediment samples contain:</p> <ul style="list-style-type: none"> ● Radium-228 ● Thorium-228 ● Tritium ● Uranium-235 ● Chromium ● Mercury <p>Swamp water constituents include:</p> <ul style="list-style-type: none"> ● Gross alpha ● Gross beta ● Radium ● Silver ● Chromium ● Copper ● Mercury ● Cyanide <p>Monitoring indicates little if any groundwater contamination. Soil characterization indicates no significant organic contamination. EP toxicity tests show basin sediments to be nonhazardous.</p>

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Table B-25. Site Investigations and Monitoring at Waste Management Facilities in the TNX-Area Geographic Grouping^a (continued)

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Facility	RCRA monitoring well ^b	Site investigations	Monitoring results
MIXED WASTE SITES (continued)			
			<p>The following constituents are found in soils and groundwater:</p> <ul style="list-style-type: none"> ● Barium ● Nickel ● Chromium ● Lead ● Nitrate ● Phosphate ● Sodium

^aSources: Huber, Johnson, and Marine, 1987; Dunaway, Johnson, Kingley, Simmons, and Bledsoe, 1987a,b; Dunaway, Johnson, Kingley, Simmons, Bledsoe, and Smith, 1987.

^bThe monitored hydrogeologic unit for these wells is the Pleistocene alluvium.

^cNon-RCRA wells.

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