

**Table 4.4. Y-12 Plant nonradiological airborne emissions, 1995**

Chemical	Quantity released		Major release source	Basis of estimate
	lb	kg		
<i>SARA 313 chemicals<sup>a</sup></i>				
Hydrochloric acid	1,170	532	Chemical processing aid	Engineering calculation
Lead	11	5	Stack emission	Engineering calculations based on emission factors
Methanol	35,000	15,910	Cleaning/cooling	Engineering calculation
Nitric acid	200	91	Chemical processing aid	Engineering calculation
<i>Other large-inventory chemicals<sup>b</sup></i>				
Freon 11	400	181	Refrigerant	Quarterly report
Freon 12	243	110	Refrigerant	Quarterly report
Freon 22	772	350	Refrigerant	Quarterly report
<i>Steam plant emissions (all calculated emissions)<sup>c</sup></i>				
Particulates	30,853	14,024	Stack emission	Engineering calculations based on emission factors
SO <sub>x</sub>	6,392,261	2,905,573	Stack emission	Engineering calculations based on emission factors
Carbon monoxide	53,901	24,500	Stack emission	Engineering calculations based on emission factors
Volatile organic compounds	6,181	2,810	Stack emission	Engineering calculations based on emission factors
NO <sub>x</sub>	2,998,106	1,362,775	Stack emission	Engineering calculations based on emission factors

<sup>a</sup>Superfund Amendments and Reauthorization Act, Title III, Section 313.

<sup>b</sup>Fugitive emissions.

<sup>c</sup>Point-source emissions.