

STANDARD CHLORINE SITE AIR DATA SUMMARY (1)
January 2003

Air	<p>Various samples collected onsite in worker's areas and analyzed for volatile and semi-volatile organic compounds indicate various intermittently identified compounds. (highest concentration in any sample at any time indicated below). Routine detections are well below these spikes.</p>	<p>Many of these samples were collected during investigation and clean-up operations and may not represent normal operating conditions at this facility.</p>	<p>O S H A establishes permissible exposure limits for Site workers. Site workers don PPE for activities where VOCs are at levels of concern.</p> <p>The 10^{-5} cancer risk level or acceptable hazard quotient levels for ambient air are:</p>	<p>Air monitoring is conducted on a routine basis. Elevated total VOC levels were not detected in perimeter samples. Site workers will continue to don PPE in designated areas. The majority of the Site does not require respiratory protection.</p>
	<p>1,4-dichlorobenzene toluene chlorobenzene 1,2,4-trichlorobenzene 1,2-dichlorobenzene 1,3-dichlorobenzene benzene</p>	<p>2,077 ug/m³ 650 240 38 79 21 84</p>	<p>2.8 ug/m³ 4,200 620 37 1,500 1,100 2.2</p>	
Air Sept. 02	<p>Particulate matter in the air (8 samples) collected (2 events) from worker's areas and analyzed for CDD/CDF. The results indicate:</p> <p>CDD/CDF (reported as toxicity equivalents, TEQ)</p>	<p>0.02 to 0.13 pg/m³ or, 1×10^{-5} to 9.7×10^{-7} ppt</p>	<p>EPA's risk-based concentration numbers for dioxin may be below reasonably expected ambient air concentrations. The 10^{-5} cancer risk level is 0.42 pg/m³</p>	<p>Additional air sampling and analysis for dioxin at the Site perimeter has been directed. The available data do not indicate that the Site is a source of dioxin to the air.</p>

STANDARD CHLORINE SITE AIR DATA SUMMARY (2)
January 2003

Air Sept. 02	<p>Particulate matter in the air (1 sample) within the warehouse was collected and analyzed for CDD/CDF. The results indicate:</p> <p>CDD/CDF (reported as toxicity equivalents, TEQ)</p>	<p>0.49 pg/m³</p> <p>or,</p> <p>3.6x10⁻⁵ ppt</p>	<p>EPA's risk-based concentration numbers for dioxin may be below reasonably expected ambient air concentrations. The 10⁻⁵ cancer risk level is 0.42 pg/m³</p>	<p>No further sampling or action is required due to dioxin.</p>
Air Nov. 02	<p>Particulate matter in the air (4 samples) collected at the Site perimeter and analyzed for CDD/CDF. The results indicate:</p> <p>CDD/CDF (reported as toxicity equivalents, TEQ)</p>	<p>0.02 to 0.04 pg/m³</p>	<p>EPA's risk-based concentration numbers for dioxin may be below reasonably expected ambient air concentrations. The 10⁻⁵ cancer risk level is 0.42 pg/m³</p>	<p>The available data do not indicate that the Site is a source of dioxin to the air.</p>