

Exide HRA Summary

The following is a summary of the emissions and risk data contained in the Health Risk Assessment (HRA) for Exide Technologies, Vernon, dated January 2013. It was reviewed and approved by the South Coast AQMD in March 2013. The entire HRA may be found at

http://www.aqmd.gov/prdas/AB2588/Exide/ExideAB2588HRA15Jan13_15May13_Cor.pdf.

If you have questions about the HRA or the summary below, please contact Tom Chico at (909) 396-3149.

Emissions of Key Contaminants and their Risk Contribution

Toxic Air Contaminant (most often asked about)	Annual Emissions (lbs/yr)	Hourly Emissions (lbs/hr)	% of Facility Cancer Risk	% of Facility Chronic Risk (long-term, non-cancer)	% of Facility Acute Risk (short-term, non-cancer)
arsenic	436	0.0498	90%	100%	99%
cadmium	2.76	0.000327			
chromium, hexavalent	1.08	0.000124			
dioxins/furans	0.0000287	0.0000000328			
PCBs	8.38	0.000957			
benzene	10,687	1.22			
1,3-butadiene	3,232	0.369	4%		
lead	245	0.0330			

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HRA Results and Action Thresholds

	Resident	Worker	Public Notice Threshold	Risk Reduction Threshold
Maximum Individual Cancer Risk	22 in one million ¹	156 in one million ^{1,2}	10 in one million	25 in one million
Cancer Burden (population)	10 ^{1,2}			0.5
Chronic Hazard Index (non-cancer, high concentration, long exposure)	2.8 ¹	63 ^{1,2}	1	3
Acute Hazard Index (non-cancer, high concentration, short exposure)		3.9 ^{1,2}	1	3

¹ Triggers Public Notice

² Triggers Risk Reduction