

**REVIEW OF SIGNTECH SAN DIEGO
AB2588 HEALTH RISK ASSESSMENT (HRA)**

November 26, 2025

Emissions Inventory Facility ID: 1374

Toxics Emissions Inventory Year: 2023

Review Conducted by: Andrew Bernabe, SDAPCD

A Health Risk Assessment (HRA) was performed for Signtech Electrical Advertising (Signtech), 4444 Federal Blvd., San Diego, CA 92102 by Davenport Engineering for emissions in calendar year 2023 and submitted to SDAPCD for review on January 16, 2025. The Office of Environmental Health Hazard Assessment (OEHHA) provided comments on the HRA to the District on July 22, 2025.

The following are the approved results of the HRA and comments from SDAPCD.

Approved HRA Results

Maximum Individual Excess Cancer Risk (PMI)	204.6 in one million
Maximum Residential Excess Cancer Risk	9.01 in one million
Maximum Occupational Excess Cancer Risk	17.01 in one million
Maximum Chronic Non-Cancer Health Hazard Index (PMI)	0.02
Maximum Residential Chronic Non-Cancer Health Hazard Index	0.0003
Maximum Occupational Chronic Non-Cancer Health Hazard Index	0.01
Maximum 8-Hour Occupational Non-Cancer Health Hazard Index	0.002
Maximum Acute Health Hazard Index (PMI)	0.10
Maximum Residential Acute Health Hazard Index	0.01
Maximum Occupational Acute Health Hazard Index	0.05
Population Excess Cancer Burden	0.04

A map showing the area impacted by occupational cancer risk above the Cancer Risk Threshold of Rule 1210 is attached to this report.

Summary of Health Impacts by Pollutant and Source

The HRA concludes that the cancer risk at the maximum exposed individual worker (MEIW) exceeds the level for public notification and risk reduction specified in SDAPCD Rule 1210.

Cancer risk at the MEIW was primarily (>99%) due to PCBTF via inhalation.

Cancer risk at the MEIW was (100%) due to the paint spray booths.

SDAPCD & OEHHA Comments

OEHHA provided comments on the HRA submitted by Signtech.

Comments pertaining to the emissions inventory noted that Signtech did not use 5 pollutants out of the 27 that were listed in the inventory. However, the 5 pollutants do not have health data and so the District did not require their addition.

Comments on the health risk assessment results concurred with the main findings of the submittal HRA, however OEHHA requested additional isopleths (namely, the one-in-one-million isopleth for 30-year cancer and 25-year cancer). These isopleths were included in a subsequent request for further information from Signtech during the District's review, and were provided as requested.

Since all comments were resolved appropriately, the District will approve the HRA as originally submitted by Signtech.

Locations of Receptors at Maximum Exposure Points

Receptor - Cancer Risk	Risk (in 1 million)	x (m)	y (m)
Point of Maximum Impact Cancer Risk (PMI)	204.6	490837	3620430
Maximum Exposed Individual Resident Cancer Risk (MEIR)	9.01	491056	3620070
Maximum Exposed Individual Worker Cancer Risk (MEIW)	17.01	490857	3620470

Receptor - Non-Cancer Chronic Health Hazard Index	Health Hazard Index	x (m)	y (m)
Maximum Non-Cancer Chronic Health Hazard Index (PMI)	0.02	490837	3620430
Maximum Residential Non-Cancer Chronic Health Hazard Index (MEIR)	0.0003	491056	3620070
Maximum Worker Non-Cancer Chronic Health Hazard Index (MEIW)	0.01	490857	3620470
Maximum Worker 8-Hour Non-Cancer Chronic Health Hazard Index (MEIW)	0.002	490856	3620420

Receptor - Acute Health Hazard Index	Health Hazard Index	x (m)	y (m)
Maximum Acute Health Hazard Index (PMI)	0.1	490837	3620480
Maximum Residential Acute Health Hazard Index (MEIR)	0.01	491056	3620070
Maximum Worker Acute Health Hazard Index (MEIW)	0.05	490856	3620470

*The geographic coordinate system for the locations is the North American Datum of 1983, Zone 11.