
MEMO

Date: March 19, 2020

To: **Kristy L. Weis & Amy Wang**
David J. Powers & Associates, Inc.
1871 The Alameda, Suite 200
San José, CA 95126
kweis@davidjpowers.com

From: **James A. Reyff & Mimi McNamara**
Illingworth & Rodkin, Inc.
429 E. Cotati Ave
Cotati, CA 94931

RE: Moffett Park Specific Plan – Sunnyvale, CA

SUBJECT: Air Quality Constraints Assessment for the Moffett Park Specific Plan
Job#20-039

This memo provides an evaluation of existing toxic air contaminants (TAC) and air pollution sources that could constrain development opportunities for sensitive receptors (e.g. residences, schools, and daycare facilities) within the Moffett Park Specific Plan (MPSP) in Sunnyvale, California. This analysis identified existing, background substantial sources of TACs (including highways or freeways, busy surface streets, and permitted stationary sources) within 1,000 feet of the Plan area. The analysis was conducted following guidance provided by the Bay Area Air Quality Management District (BAAQMD).¹ Note that these are sources identified based on examination of aerial mapping, review of traffic data (for daily traffic volumes exceeding 10,000 vehicles), and examination of BAAQMD's provided database of permitted station sources.

Setting

The project is located in Santa Clara County, which is in the San Francisco Bay Area Air Basin. Ambient air quality standards have been established at both the State and federal level. The Bay Area meets all ambient air quality standards with the exception of ground-level ozone, respirable particulate matter (PM₁₀), and fine particulate matter (PM_{2.5}).

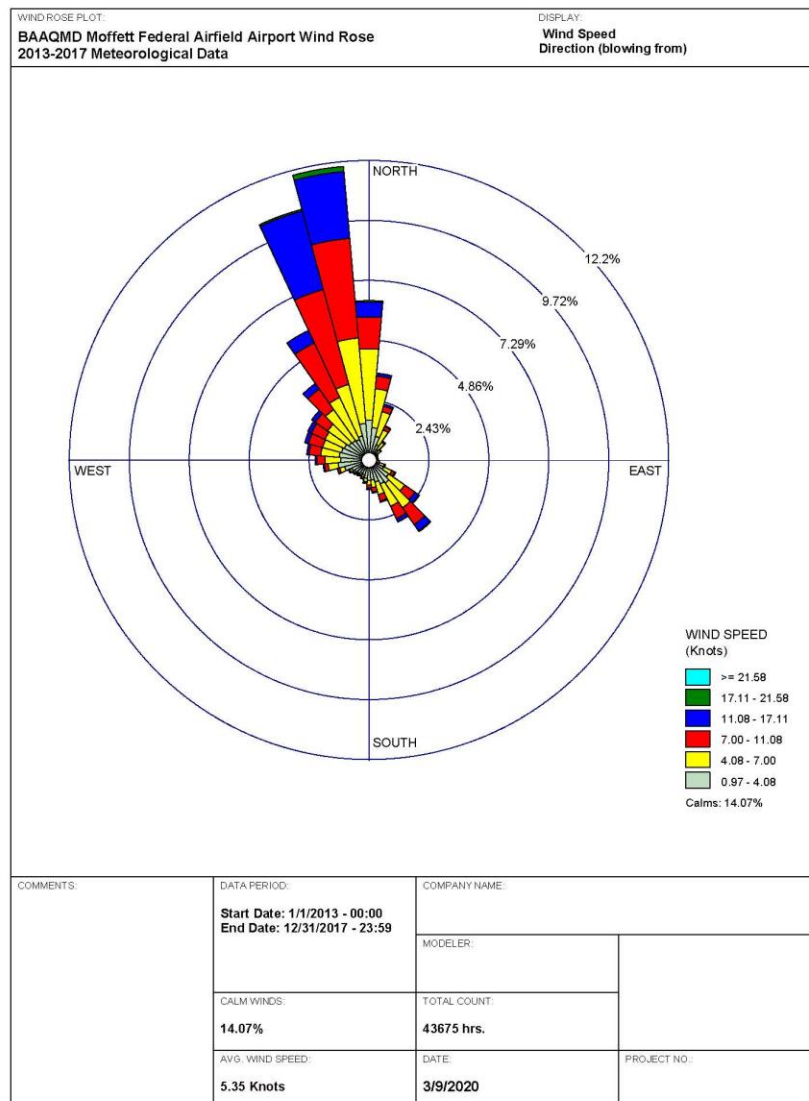
Climate and Meteorology

During the summer, mostly clear skies result in warm daytime temperatures and cool nights in the

¹ Bay Area Air Quality Management District, *CEQA Air Quality Guidelines*, May 2017.

Santa Clara Valley. Winter temperatures are mild, except for very cool but generally frost-less mornings. Further inland where the moderating effect of the bay is not as strong, temperature extremes are greater. Wind patterns are influenced by local terrain, with a northwesterly sea breeze typically developing during the daytime. Winds are usually stronger in the spring and summer. Rainfall amounts are modest, ranging from 13 inches in the lowlands to 20 inches in the hills. Figure 1 is a wind rose based on meteorological data provided by BAAQMD from the Moffett Federal Airfield Airport in Mountain View. As seen in the figure, winds primarily originate from the north-northwest. This airport is adjacent to the MPSP planning area and representative of wind patterns within the area.

Figure 1. Moffett Federal Airfield Airport Wind Rose (2013-2017 BAAQMD Meteorological Data)



Toxic Air Contaminants

Toxic air contaminants (TAC) are a broad class of compounds known to cause morbidity or mortality (usually because they cause cancer) and include, but are not limited to, the criteria air pollutants. TACs are found in ambient air, especially in urban areas, and are caused by industry, agriculture, fuel combustion, and commercial operations (e.g., dry cleaners). TACs are typically found in low concentrations, even near their source (e.g., diesel particulate matter [DPM] near a freeway). Because chronic exposure can result in adverse health effects, TACs are regulated at the regional, State, and federal level.

Diesel exhaust is the predominant TAC in urban air and is estimated to represent about three-quarters of the cancer risk from TACs (based on the Bay Area average). According to the California Air Resources Board (CARB), diesel exhaust is a complex mixture of gases, vapors, and fine particles. This complexity makes the evaluation of health effects of diesel exhaust a complex scientific issue. Some of the chemicals in diesel exhaust, such as benzene and formaldehyde, have been previously identified as TACs by the CARB, and are listed as carcinogens either under the State's Proposition 65 or under the Federal Hazardous Air Pollutants programs.

Odors

Odor impacts are subjective in nature and are generally regarded as an annoyance rather than a health hazard. The ability to detect and react to odors varies considerably among people. A strong or unfamiliar odor is more easily detected and are more likely to cause complaints. BAAQMD responds to odor complaints from the public and considers a source to have a substantial number of odor complaints if the complaint history includes five or more confirmed complaints per year averaged over a 3-year period. Facilities that are regulated by CalRecycle (e.g. landfill, composting, etc.) are required to have Odor Impact Minimization Plans in place.

Sensitive Receptors

There are groups of people more affected by air pollution than others. CARB has identified the following persons who are most likely to be affected by air pollution: children under 16, the elderly over 65, athletes, and people with cardiovascular and chronic respiratory diseases. These groups are classified as sensitive receptors. Locations that may contain a high concentration of these sensitive population groups include residential areas, hospitals, daycare facilities, elder care facilities, and elementary schools.

Significance Thresholds

The BAAQMD's adoption of significance thresholds contained in the 2011 CEQA Air Quality Guidelines was called into question by an order issued March 5, 2012, in California Building Industry Association (CBIA) v. BAAQMD (Alameda Superior Court Case No. RGI0548693). The order requires the BAAQMD to set aside its approval of the thresholds until it has conducted environmental review under CEQA. The ruling made in the case concerned the environmental impacts of adopting the thresholds and how the thresholds would indirectly affect land use

development patterns. In August 2013, the Appellate Court struck down the lower court’s order to set aside the thresholds (Cal. Court of Appeal, First Appellate District, Case Nos. A135335 & A136212). CBIA sought review by the California Supreme Court on three issues, including the appellate court’s decision to uphold the BAAQMD’s adoption of the thresholds, and the Court granted review on just one: Under what circumstances, if any, does CEQA require an analysis of how existing environmental conditions will impact future residents or users of a proposed project? In December 2015, the Supreme Court determined that an analysis of the impacts of the environment on a project – known as “CEQA-in-reverse” – is only required under two limited circumstances: (1) when a statute provides an express legislative directive to consider such impacts; and (2) when a proposed project risks exacerbating environmental hazards or conditions that already exist (Cal. Supreme Court Case No. S213478). The Supreme Court reversed the Court of Appeal’s decision and remanded the matter back to the appellate court to reconsider the case in light of the Supreme Court’s ruling. Though not necessarily a CEQA issue, the effect of existing TAC sources on future plan area receptors is analyzed to comply with the Clean Air Plan goal of reducing population exposure and protecting public health in the Bay Area.

The BAAQMD proposed “Thresholds of Significance” for local community risk and hazard impacts that apply to both the siting of a new source and to the siting of a new receptor. Local community risk and hazard impacts are associated with TACs and PM_{2.5} since emissions of these pollutants may cause significant health impacts at the local level. BAAQMD updated the *CEQA Air Quality Guidelines* in 2017 to include the latest significance thresholds, which were used in this analysis and are summarized in Table 1. The nearby local TAC sources or sources of odors would result in a significant impact if emissions of TACs or PM_{2.5} or odor complaints exceed any of the following Thresholds of Significance.

Table 1. BAAQMD Air Quality Exceedance Thresholds for Toxic Air Contaminants

Health Risks and Hazards	Single Sources Within 1,000-foot Zone of Influence	Combined Sources (Cumulative from all sources within 1,000-foot zone of influence)
Excess Cancer Risk	>10 per one million	>100 per one million
Hazard Index	>1.0	>10.0
Incremental annual PM _{2.5}	>0.3 µg/m ³	>0.8 µg/m ³
Odor		
5 confirmed complaints per year averaged over 3 years		
Note: PM ₁₀ = coarse particulate matter or particulates with an aerodynamic diameter of 10 micrometers (µm) or less, PM _{2.5} = fine particulate matter or particulates with an aerodynamic diameter of 2.5µm or less.		

Local Sources of Toxic Air Containments

According to the BAAQMD CEQA Air Quality Guidelines, for a plan to have a less-than-significant impact with respect to TACs, overlay zones must be established around existing and proposed land uses that would emit these air pollutants. Overlay zones to avoid TAC impacts must be reflected in local plan policies, land use maps, or implementing ordinances.

The Moffett Park Specific Plan would permit and facilitate the development of land use that may locate new sensitive receptors, such as new residences or daycare facilities, in proximity to arterial and collector roadways, highways, and stationary sources of TAC emissions. A 1,000-foot buffer was drawn around the specific plan area to identify which TAC sources would affect sensitive receptors. Screening levels indicate that sensitive receptors within the Planning Area could be exposed to levels of TACs and or PM_{2.5} that could cause an unacceptable cancer risk or hazard near highways and stationary sources. Figure 2 shows the specific plan boundaries and all the TAC sources identified within the 1,000-foot buffer.

Roadways

Highways – U.S. Highway 101 and State Route 237

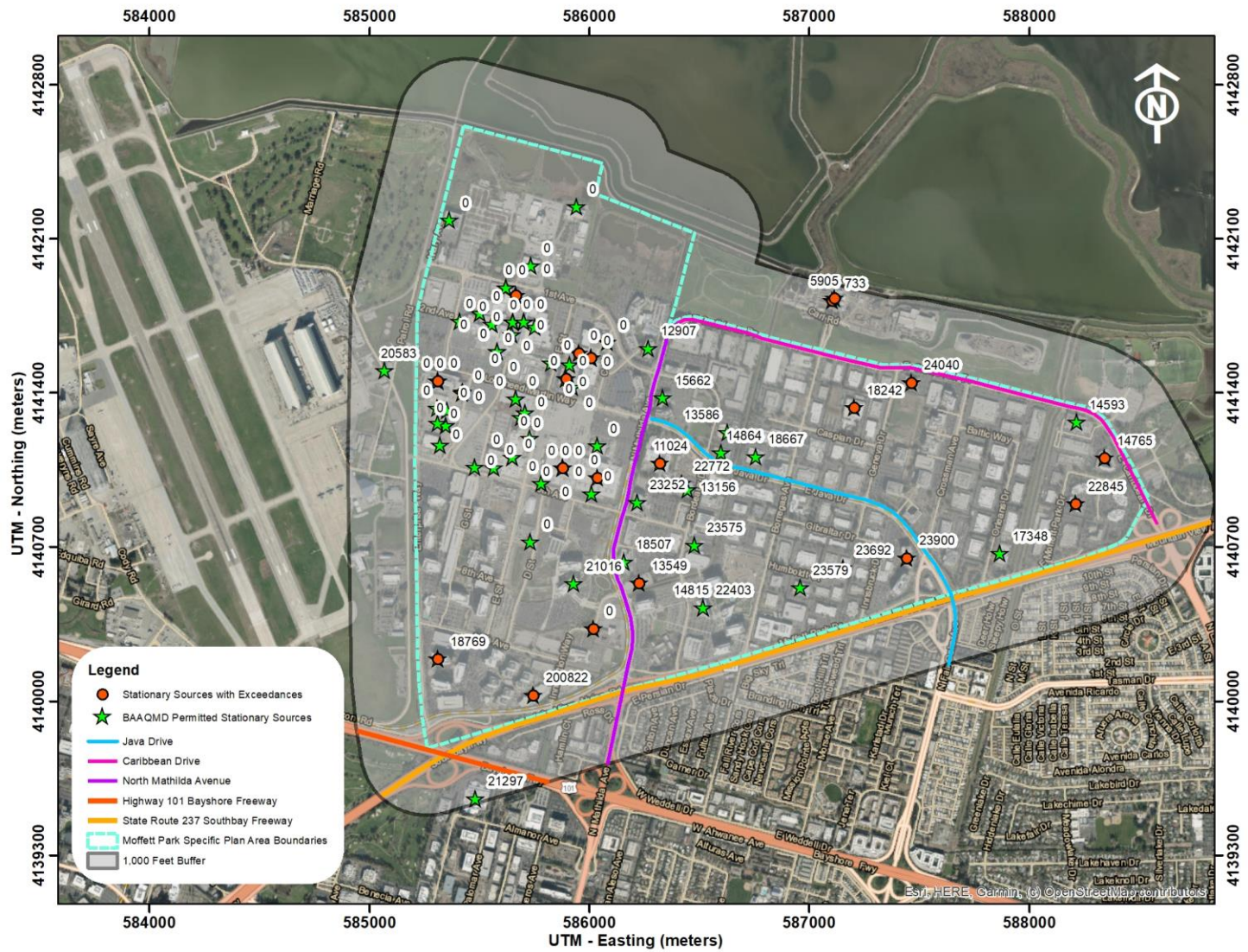
BAAQMD provides a Google Earth *Highway Screening Analysis Tool* that can be used to identify screening level impacts from State highways. The U.S. Highway 101 and State Route 237 cancer risk, annual PM_{2.5} exposure and non-cancer hazard index were screened using this tool. Link 274 (6 feet elevation) was used to screen U.S. Highway 101 and Link 343 (6 feet elevation) was used to screen State Route 237.

Both U.S. Highway 101 and State Route 237 identified as east-west directional roadways within the specific plan area with risk and hazards occurring north and south of the roadways. However, it should be noted that the risks and hazards north of the highways are applicable to this constraints analysis. The southern risks and hazards would not be within the MPSP planning area. Therefore, only the risks and hazards in the northly direction are reported. For both U.S. Highway 101 and State Route 237, risks and hazards would not exceed the single-source thresholds at and beyond 400 feet in the northly direction. *Attachment 1* lists the risk and hazard values for each highway in both directions from 10 to 1000 feet.

Local Roadways – North Mathilda Avenue, Caribbean Avenue, and Java Drive

For local roadways, BAAQMD has provided the *Roadway Screening Analysis Calculator* to assess whether roadways with traffic volumes of over 10,000 vehicles per day may have a potentially significant effect on a proposed project. Two adjustments were made to the cancer risk predictions made by this calculator: (1) adjustment for latest vehicle emissions rates predicted using EMFAC2014 and (2) adjustment of cancer risk to reflect new OEHHA guidance (see *Attachment 1*).

Figure 2. Moffett Park Specific Plan Boundaries, 1000-foot Buffer, and Nearby TAC Sources²



²The unique numbers associated with all the BAAQMD Permitted Stationary Sources are their assigned identification codes. The zeroes are all associated with Lockheed Martin.

The calculator uses EMFAC2011 emission rates for the year 2014. However, a new version of the emissions factor model, EMFAC2014 is available. This version predicts lower emission rates. An adjustment factor of 0.5 was developed by comparing emission rates of total organic gases (TOG) for running exhaust and running losses developed using EMFAC2011 for year 2014 and those from EMFAC2014 for 2018. The predicted cancer risk was then adjusted using a factor of 1.3744 to account for new OEHHA guidance. This factor was provided by BAAQMD for use with their CEQA screening tools that are used to predict cancer risk.

The following roadways were identified as having existing traffic volumes over 10,000 vehicles per day: North Mathilda Avenue, Caribbean Avenue, and Java Drive. The average daily traffic (ADT) volumes were based on peak-hour existing traffic volumes provided by the traffic consultant. The AM and PM peak-hour volumes were averaged and then multiplied by 10 to estimate the ADT. Due to the length and variability of traffic volumes along different intersections, North Mathilda and Caribbean Drive were split into three different sections with separate buffers for each segment.

This screening tool was used to identify the distance at which the increased cancer risk and PM_{2.5} concentration from the roadways would not exceed the BAAQMD single-source thresholds for TAC sources. Distances were adjusted in increments of ten feet and distances were measured from the roadway edges. Risks were identified for each side of the road (i.e. if the road is an east-west directional roadway, then the north and south side of the road were screened). Note that in some cases both the increased cancer risk and the annual PM_{2.5} concentration were below their BAAQMD single-source threshold at less than 10 feet. Therefore, no risk was identified from the roadway at any distance. A figure was not provided to show the buffers for each roadway since most buffers are short, and the distances are all less than 200 feet with a majority of the buffers being less than 50 feet in length. Table 2 lists information about the roadways and the buffer distances where exceedances may occur. Note that existing traffic volumes were used in this screening analysis. Future traffic volumes would most likely increase and each roadway would need to be re-evaluated on a project-level.

Table 2. Roadway Segments and Buffer Distances for Exceedance (Measured from Edge of the Roadway)

Road	Intersection	Existing ADT	Road Direction	Side of Road	Buffer Distance for Exceedance (feet)	
North Mathilda Avenue	Intersection 15 N. Mathilda Avenue and Innovation Way	20,070	North-South Roadway	East	60	
				West	10	
	Intersection 14 N. Mathilda Avenue & 5th Avenue	13,350		East	10	
				West	No Exceedance	
	Intersection 13 N. Mathilda Avenue & Lockheed Martin Way/W. Java Drive	12,750		East	20	
				West	No Exceedance	
Caribbean Drive	Intersection 24 Borregas Avenue/Carl Road & Caribbean Drive	13,880	East-West Roadway	North	No Exceedance	
				South	No Exceedance	
	Intersection 28 Crossman Avenue and East Caribbean Drive	22,660		North	No Exceedance	
				South	30	
	Intersection 38 East Caribbean Drive and Moffett Park Drive/Baylands Park	30,075		North-South Roadway	East	150
					West	50
Java Drive	Intersection 29 Crossman Avenue and East Java Drive	16,740	East-West Roadway	North	No Exceedance	
				South	20	

Stationary Sources

The Planning Area has numerous permitted stationary sources. These sources are located throughout the Plan Area, in manufacturing and commercial areas. The impact of these sources can only be addressed on a project-by-project basis, since impacts are generally localized. To assist lead agencies, BAAQMD has provided a database of permitted sources within the air district. The database is found at BAAQMD's *Permitted Stationary Sources 2018* GIS website.³ This online tool provides the screening levels of cancer risk, hazards and PM_{2.5} concentrations. These screening risk values can be adjusted for distance using factors provided by BAAQMD. This allows many of the sources to be screened out of any additional analysis.

³ BAAQMD, Web:
<https://baaqmd.maps.arcgis.com/apps/webappviewer/index.html?id=2387ae674013413f987b1071715daa65>

If the stationary source shows the potential for significant community risk impacts or requires further information, then the stationary source is further analyzed by contacting BAAQMD for additional information. A refined modeling analysis would be required if there are sources that still have potentially significant impacts after this level of review. A refined analysis would include dispersion modeling of the source using emissions and source information provided by BAAQMD. If the source still has significant community risk impacts following this level of effort, then risk reduction strategies would have to be implemented by the project on a case-by-case basis, including but not limited to, mechanical air filtration systems.

When siting new sensitive receptors, the BAAQMD Guidelines advise that lead agencies examine existing or future proposed sources of TAC and/or PM_{2.5} emissions that would adversely affect individuals within the planned project. New residences and sensitive receptors could be located near stationary sources of TACs located throughout the Planning Area, such as gasoline dispensing stations or emergency back-up diesel generators. Without proper setbacks or mitigation measures, these sources could result in TAC levels that are considered significant for new sensitive receptors.

Limitations of the BAAQMD Permitted Stationary Source Database

The MPSP encompasses an area where there are many stationary sources (due to the large number of industrial and tech company office uses) whose risk values exceed the community risk thresholds as seen in Figure 2. The stationary sources listed by BAAQMD as being in the plan areas or within 1,000 feet were identified and the sources that had screening levels that exceed the cancer risk or annual PM_{2.5} exceeding thresholds were marked as red. However, BAAQMD does not guarantee the accuracy of their tool, as some sources shown outside of the area may actually be located within the area. Sources around the area were checked by cross referencing their address. However, it cannot be certain that all misplaced sources that belong in the area were identified. In addition, new sources are added or taken out of service and this tool used is based on BAAQMD's 2018 inventory. Given these uncertainties, new sensitive land uses within the plan area should perform site specific studies prior to any finalizing any development plans. This process would involve submittal of a stationary source inquiry form (SSIF) to BAAQMD new sensitive receptor developments within the MPSP. This ensures that the most recent stationary sources are included and analyzed. *Attachment 1* lists all the identification numbers, locations, and risk values for all the sources identified in Figure 2.

Hazardous Materials

The review provided in this memo only addresses sources that routinely emit TACs and air pollutants. There may be facilities that handle and store hazardous materials in a safe manner. However, the accidental release of these materials, liquids or gases could create hazardous conditions. Therefore, it is recommended that facilities handling hazardous materials should be identified and their potential hazards should be considered prior to developing any sensitive land uses in their proximity.

Source Requiring Special Focus

There are several sources that should warrant special attention when considering development of

new sensitive receptors. These are complex sources of TAC and air pollutant emissions and sources of odors that could cause future complaints if residences are developed near them.

Along the north side of Caribbean Drive at Borregas Avenue lies several sources that include the City of Sunnyvale Water Pollution Control Plant (Wastewater Treatment Plant) and the Sunnyvale Materials Recovery and Transfer Station (SMaRT Station) that includes a concrete recycling plant.

Both the Wastewater Treatment Plant and the SMaRT Station are potential sources of odors. BAAQMD publishes screening buffer distances for odor sources and sensitive receptors in their CEQA Air Quality Guidelines. The screening distances for wastewater treatment plants and materials recovery resource facilities are 2 miles. There are no residences near these facilities; therefore, a compliant history is not likely applicable to the evaluation of new sensitive uses. In addition, these sources have elevated emission of TACs and air pollutants. Their effect on new sensitive receptors within 1,000 feet should be evaluated. The wind flow in the area is depicted in the wind rose provided as Figure 1. As shown in Figure 1, the dominant wind flow is from the north-northwest, so typically, the plan area is downwind of these sources. Wind flow from a direction that could advect odors toward the plan area.

Industrial sources of TACs and air pollutants at the northwest portion of the site are complex and numerous. One example is the Lockheed Martin Corporation at 1111 Lockheed Martin Way that is a large facility with numerous emission sources that are permitted by BAAQMD. Special care should be taken to provide updated analysis for any development west or immediately east of N. Mathilda Avenue.

Additionally, the City of Sunnyvale has a mapping tool online that pinpoints where new development projects are within the entire city.⁴ The map lists projects that are approved, under construction, under review, on hold, appeal pending, or withdrawn. Within the MPSP area there are three projects under construction, four projects approved by the planning commission, and three projects under review. The under-construction projects include renovation to an existing hotel at 1100 N. Mathilda Avenue, construction of a hotel at 1120 Innovation Way, and construction of office buildings at 1152 Bordeaux Drive. The projects that have been approved include expansion of the Netapp campus, expansion of the Yahoo! Campus, and a new office development at 1389 Moffett park Drive. All these under construction and approved developments would change the current environment. Therefore, it is advised that future project developments are considered when placing sensitive receptors within the MPSP planning area. Note that the developments under review should not be considered until at least approved since it is speculative to assume a project would be operating if not approved yet.

Attachments

Attachment 1: Screening Community Risk Tools and Information

⁴ City of Sunnyvale, Web:
<https://gis.sunnyvale.ca.gov/portal/apps/webappviewer/index.html?id=2f1aa0291ad04119b9a7f886067976d8>

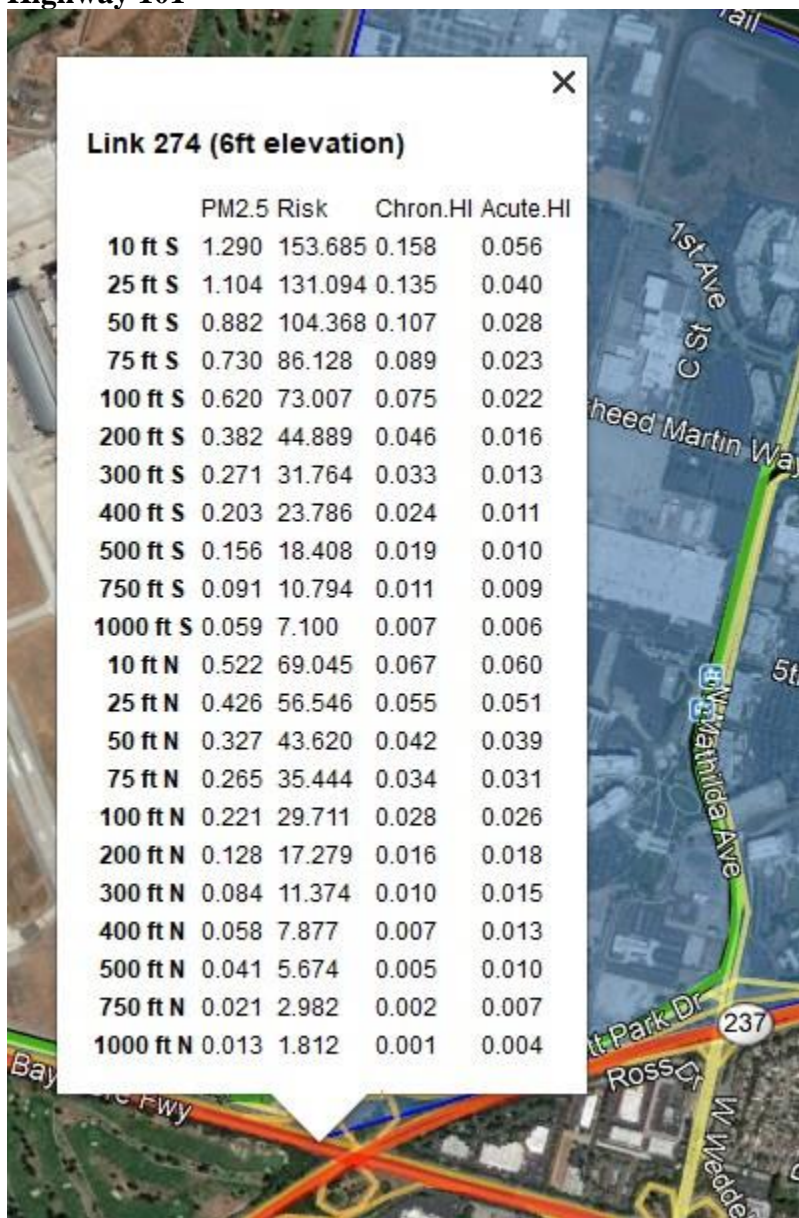
Attachment 1: Screening Community Risk Tools and Information

Highway BAAQMD Screening Values

State Route 237



Highway 101



Roadway Risk and Hazard Screening Values

Roadway	ADT	Distance (ft)	Side of Road: East		Side of Road: West		ADT	Distance (ft)	Side of Road: East		Side of Road: West		ADT	Distance (ft)	Side of Road: East		Side of Road: West	
			Cancer Risk	PM2.5	Cancer Risk	PM2.5			Cancer Risk	PM2.5	Cancer Risk	PM2.5			Cancer Risk	PM2.5	Cancer Risk	PM2.5
North Mathilda Avenue: Intersection 15 N. Mathilda Avenue and Innovation Way	20,070	10	13.93	0.481	9.95	0.301	13,350	10	9.27	0.32	6.62	0.201	12,570	10	8.72	0.301	6.23	0.189
		20	12.49	0.431	8.84	0.267		20	8.31	0.286	5.88	1.77		20	7.82	0.27	5.54	0.167
		30	11.12	0.383	7.77	0.233		30	0.255	7.39	5.17	0.155		30	6.96	0.24	4.87	0.146
		40	9.87	0.339	6.81	0.203		40	6.56	0.226	4.53	0.135		40	6.18	0.212	4.27	0.127
		50	8.8	0.302	6.00	0.178		50	5.85	0.201	3.99	0.118		50	5.51	0.189	3.76	0.111
		60	7.97	0.273	5.38	0.158		60	5.3	0.182	3.58	0.105		60	4.99	0.171	3.37	0.099
		70	7.33	0.251	0.144	4.92		70	4.88	0.167	3.27	0.096		70	4.59	0.157	3.08	0.9
		80	6.85	0.234	0.134	4.58		80	4.56	0.156	3.05	0.089		80	4.29	0.147	2.87	0.084
		90	6.48	0.222	4.34	4.127		90	4.31	0.147	2.88	0.084		90	4.06	0.139	2.72	0.079
		100	6.18	0.211	4.13	0.121		100	4.11	0.14	2.75	0.08		100	3.87	0.132	2.59	0.076
		200	3.92	0.133	2.55	0.074		200	2.61	0.089	1.7	0.049		200	2.45	0.083	1.6	0.046
		300	2.68	0.09	1.66	0.047		300	1.78	0.06	1.11	0.032		300	1.68	0.057	1.04	0.03
		400	2.07	0.07	1.25	0.036		400	1.38	0.046	0.83	0.024		400	1.3	0.044	0.79	0.022
		500	1.77	0.059	1.06	0.031		500	1.18	0.039	0.71	0.2		500	1.11	0.037	0.67	0.019
Caribbean Drive: Intersection 24 Borregas Avenue/Carl Road & Caribbean Drive	13,880	10	7	0.259	6.09	0.181	22,660	10	11.44	0.422	9.95	0.295	30,075	10	20.87	0.72	14.91	0.452
		20	6.35	0.235	5.57	0.164		20	10.37	0.383	9.09	0.269		20	18.71	0.645	13.24	0.399
		30	5.72	0.211	5.07	0.149		30	9.34	0.345	8.27	0.243		30	16.66	0.574	11.65	0.349
		40	5.15	0.19	4.61	0.134		40	8.4	0.31	7.52	0.219		40	14.78	0.508	10.21	0.304
		50	4.65	0.172	4.21	0.122		50	7.59	0.28	6.87	0.199		50	13.19	0.453	8.99	0.266
		60	4.5	0.157	3.89	0.112		60	6.94	0.256	6.35	0.183		60	11.94	0.409	8.06	0.237
		70	3.93	0.145	3.64	0.104		70	6.42	0.237	5.93	0.17		70	10.99	0.376	7.37	0.216
		80	3.69	0.136	3.44	0.098		80	6.02	0.221	5.61	0.161		80	10.27	0.351	6.87	0.201
		90	3.49	0.128	3.28	0.094		90	6.59	0.209	5.35	0.153		90	9.72	0.332	6.5	0.19
		100	3.32	0.122	3.14	0.09		100	5.42	0.199	5.12	0.146		100	9.25	0.316	6.19	0.181
		200	2.17	0.079	2.18	0.061		200	3.55	0.13	3.56	0.1		150	7.33	0.25	3.82	0.11
		300	1.57	0.057	1.65	0.045		300	2.56	0.093	2.69	0.074		200	5.87	0.199	2.49	0.071
		400	1.26	0.046	1.37	0.037		400	2.05	0.075	2.23	0.061		300	4.01	0.136	1.88	0.054
		500	1.09	0.04	1.21	0.033		500	1.78	0.065	1.97	0.054		400	3.11	0.105	1.59	0.046
Java Drive: Intersection 29 Crossman Avenue & East Java Drive	16,740	10	8.45	0.312	7.35	0.218		10						10				
		20	7.66	0.283	6.72	0.198		20						20				
		30	6.9	0.255	6.11	0.179		30						30				
		40	6.21	0.229	5.56	0.162		40						40				
		50	5.61	0.207	5.07	0.147		50						50				
		60	5.12	0.189	4.69	0.135		60						60				
		70	4.75	0.175	4.38	0.126		70						70				
		80	4.45	0.164	4.14	0.119		80						80				
		90	4.21	0.155	3.95	0.113		90						90				
		100	4	0.147	3.79	0.108		100						100				
		200	2.62	0.096	2.63	0.074		200						200				
300	1.89	0.069	1.99	0.055	300					300								
400	1.51	0.055	1.65	0.045	400					400								
500	1.31	0.048	1.46	0.04	500					500								

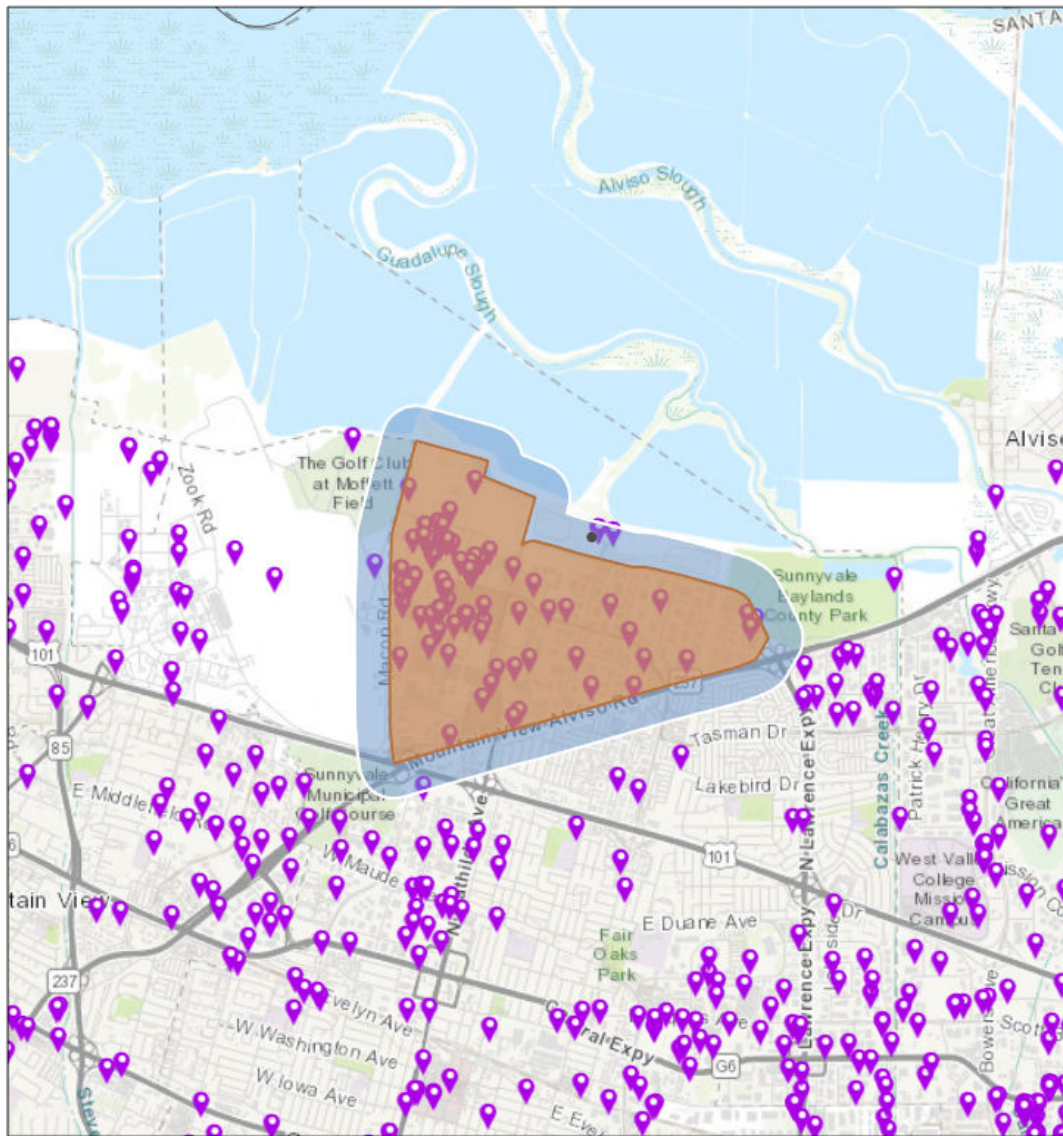


Stationary Source Risk & Hazards Screening Report

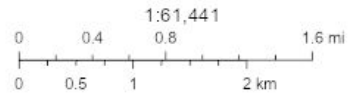
Area of Interest (AOI) Information

Area : 92,598,134.77 ft²

Feb 21 2020 15:23:37 Pacific Standard Time



-  Permitted Facilities 2018
-  California Air Basins



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Summary

Name	Count	Area(ft ²)	Length(ft)
Permitted Facilities 2018	121	N/A	N/A

Permitted Facilities 2018

#	FACID	Name	Address	City	St
1	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
2	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
3	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
4	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
5	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
6	733	City of Sunnyvale Water Pollution Control	1444 Borregas Avenue	Sunnyvale	CA
7	5905	City of Sunnyvale/Public Works Dept	301 Carl Road	Sunnyvale	CA
8	11024	JSR Micro, Inc	1280 N Mathilda Ave	Sunnyvale	CA
9	12907	Yahoo Corporate Headquarters	701 1st Avenue	Sunnyvale	CA
10	13156	OEpic Inc	1231 Bordeaux Drive	Sunnyvale	CA
11	13549	Pacific Bell	1140 N Mathilda Ave	Sunnyvale	CA
12	13586	Infinera Corporation	1322 Bordeaux Drive	Sunnyvale	CA
13	14593	Cepheid Inc	904 E Caribbean Drive	Sunnyvale	CA
14	14765	Finisar Corporation	1389 MOFFETT PARK DR	SUNNYVALE	CA
15	14809	Federal Aviation Administration	Moffet Field	San Jose	CA
16	14815	NetApp, Inc	1395 Crossman	Sunnyvale	CA
17	14864	Star One Credit Union	1306 Bordeaux Drive	Sunnyvale	CA
18	15662	Yahoo Inc	1350 N Mathilda	Sunnyvale	CA
19	17348	Bloom Energy	1252 Orleans Drive	Sunnyvale	CA
20	18242	Equinix LLC	255 Caspian Drive	Sunnyvale	CA
21	18507	Verizon Wireless (Lockheed)	1184 N Mathilda Ave #560	Sunnyvale	CA
22	18667	Infinera Corp	169 Java Drive	Sunnyvale	CA
23	18769	Jay Paul Company	1050 Enterprise Way	Sunnyvale	CA
24	20583	LB&B Associates Inc	Defense FI Spplly Pt, DFSP	Moffett Field	CA
25	21016	Juniper Networks Inc	1133rd & 1137 Innovation Way	Sunnyvale	CA
26	21297	Apple	985 Almanor Avenue	Sunnyvale	CA
27	22403	Moffett Place LLC	1170 Bordeaux Drive	Sunnyvale	CA
28	22772	GLO-USA	1231 Bordeaux Dr & W Java Dr	Sunnyvale	CA
29	22845	Cepheid	1324 Chesapeake Ter	Sunnyvale	CA
30	23252	Google LLC	1220 N Mathilda Ave	Sunnyvale	CA
31	23575	City of Sunnyvale	1210 Bordeaux Drive	Sunnyvale	CA
32	23579	Infinera Corporation	220 Humboldt Court	Sunnyvale	CA
33	23692	Miltenyi Biotec Inc	249 Humboldt Court	Sunnyvale	CA
34	23900	Google LLC	Crossman Campus	Sunnyvale	CA

35	24040	Google LLC, c/o CBRE Inc	400 E Caribbean Drive	Sunnyvale	CA
36	200822	Google LLC	803 ELEVENTH AVE	SUNNYVALE	CA
37	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
38	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
39	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
40	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
41	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
42	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
43	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
44	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
45	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
46	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
47	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
48	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
49	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
50	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
51	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
52	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
53	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
54	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
55	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
56	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
57	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
58	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
59	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
60	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
61	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
62	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA

63	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
64	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
65	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
66	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
67	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
68	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
69	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
70	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
71	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
72	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
73	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
74	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
75	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
76	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
77	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
78	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
79	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
80	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
81	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
82	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
83	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
84	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA
85	<i>No Data</i>	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA

#	Zip	County	Cancer	Hazard	PM_25	Type	Count
1	94089	Santa Clara	0.000	0.000	<i>No Data</i>	Contact BAAQMD	23
2	94089	Santa Clara	0.103	0.001	0.855	Contact BAAQMD	10
3	94089	Santa Clara	0.103	0.001	0.256	Contact BAAQMD	4
4	94089	Santa Clara	0.619	0.001	0.001	Generators	2
5	94089	Santa Clara	0.059	0.000	0.147	Contact BAAQMD	2
6	94089	Santa Clara	53.771	0.089	9.266	Contact BAAQMD	1
7	94089	Santa Clara	60.642	0.295	10.844	Contact BAAQMD	1
8	94089	Santa Clara	1.469	0.004	0.483	Contact BAAQMD	1
9	94089	Santa Clara	15.702	0.024	0.020	Generators	1
10	94089	Santa Clara	2.591	0.004	0.003	Contact BAAQMD	1
11	94086	Santa Clara	16.840	0.026	0.021	Generators	1
12	94089	Santa Clara	1.071	0.007	0.001	Contact BAAQMD	1
13	94089	Santa Clara	4.894	0.011	0.006	Contact BAAQMD	1
14	94089	Santa Clara	49.028	0.013	0.062	Generators	1
15	95101	Santa Clara	18.388	0.005	0.023	Generators	1
16	94089	Santa Clara	3.212	0.009	0.004	Generators	1
17	94089	Santa Clara	0.638	0.001	0.001	Generators	1
18	94089	Santa Clara	7.451	0.012	0.010	Generators	1
19	94089	Santa Clara	4.100	0.012	0.005	Contact BAAQMD	1
20	94089	Santa Clara	95.006	0.156	0.121	Generators	1
21	94089	Santa Clara	2.007	0.001	0.003	Generators	1
22	94089	Santa Clara	1.358	0.001	0.002	Generators	1
23	94089	Santa Clara	18.362	0.050	0.023	Generators	1
24	94035	Santa Clara	0.263	0.000	0.000	Contact BAAQMD	1
25	94089	Santa Clara	0.085	0.000	0.000	Generators	1
26	94085	Santa Clara	2.630	0.009	0.003	Contact BAAQMD	1
27	94089	Santa Clara	1.075	0.002	0.001	Generators	1
28	94089	Santa Clara	<i>No Data</i>	0.001	<i>No Data</i>	Contact BAAQMD	1
29	94089	Santa Clara	5.663	0.009	0.007	Generators	1
30	94089	Santa Clara	8.747	0.023	0.011	Generators	1
31	94089	Santa Clara	8.332	0.018	0.010	Generators	1
32	94089	Santa Clara	0.460	0.001	0.001	Generators	1
33	94089	Santa Clara	2.535	0.005	0.003	Generators	1
34	94089	Santa Clara	6.265	0.011	0.008	Generators	1

35	94089	Santa Clara	3.088	0.002	0.004	Generators	1
36	94089	Santa Clara	10.292	0.003	0.013	Generators	1
37	94089	Santa Clara	0.006	0.000	<i>No Data</i>	Contact BAAQMD	1
38	94089	Santa Clara	0.240	0.000	0.000	Generators	1
39	94089	Santa Clara	0.570	0.001	0.001	Generators	1
40	94089	Santa Clara	20.312	0.031	0.026	Generators	1
41	94089	Santa Clara	4.974	0.008	0.006	Generators	1
42	94089	Santa Clara	5.130	0.008	0.007	Generators	1
43	94089	Santa Clara	0.026	0.000	0.066	Contact BAAQMD	1
44	94089	Santa Clara	1.179	0.002	0.001	Generators	1
45	94089	Santa Clara	2.746	0.004	0.004	Generators	1
46	94089	Santa Clara	1.590	0.004	0.002	Generators	1
47	94089	Santa Clara	2.360	0.007	0.003	Generators	1
48	94089	Santa Clara	0.832	0.001	0.001	Generators	1
49	94089	Santa Clara	0.444	0.001	0.001	Generators	1
50	94089	Santa Clara	1.403	0.003	0.002	Generators	1
51	94089	Santa Clara	1.424	0.003	0.002	Generators	1
52	94089	Santa Clara	2.594	0.005	0.003	Generators	1
53	94089	Santa Clara	0.002	0.000	0.006	Contact BAAQMD	1
54	94089	Santa Clara	0.002	0.000	0.005	Contact BAAQMD	1
55	94089	Santa Clara	0.400	0.001	0.001	Generators	1
56	94089	Santa Clara	0.950	0.003	0.001	Generators	1
57	94089	Santa Clara	13.887	0.021	0.018	Generators	1
58	94089	Santa Clara	1.656	0.002	0.002	Generators	1
59	94089	Santa Clara	0.006	0.000	0.015	Contact BAAQMD	1
60	94089	Santa Clara	0.145	0.001	0.360	Contact BAAQMD	1
61	94089	Santa Clara	0.097	0.001	0.240	Contact BAAQMD	1
62	94089	Santa Clara	1.109	0.002	0.001	Generators	1
63	94089	Santa Clara	0.747	0.002	0.001	Generators	1
64	94089	Santa Clara	1.150	0.003	0.001	Generators	1
65	94089	Santa Clara	0.000	0.000	0.001	Contact BAAQMD	1
66	94089	Santa Clara	15.959	0.025	0.020	Generators	1
67	94089	Santa Clara	18.462	0.039	0.023	Generators	1
68	94089	Santa Clara	1.304	0.003	0.002	Generators	1
69	94089	Santa Clara	7.876	0.012	0.010	Generators	1
70	94089	Santa Clara	0.127	0.001	0.315	Contact BAAQMD	1
71	94089	Santa Clara	0.022	0.001	<i>No Data</i>	Contact BAAQMD	1

72	94089	Santa Clara	0.017	0.002	<i>No Data</i>	Contact BAAQMD	1
73	94089	Santa Clara	0.011	0.000	<i>No Data</i>	Contact BAAQMD	1
74	94089	Santa Clara	0.829	0.001	0.001	Generators	1
75	94089	Santa Clara	1.054	0.002	0.001	Generators	1
76	94089	Santa Clara	0.989	0.002	0.001	Generators	1
77	94089	Santa Clara	0.027	0.000	<i>No Data</i>	Contact BAAQMD	1
78	94089	Santa Clara	0.001	0.000	0.003	Contact BAAQMD	1
79	94089	Santa Clara	1.208	0.001	0.002	Generators	1
80	94089	Santa Clara	1.157	0.002	0.001	Generators	1
81	94089	Santa Clara	2.631	0.003	0.003	Generators	1
82	94089	Santa Clara	2.047	0.003	0.003	Generators	1
83	94089	Santa Clara	2.624	0.005	0.003	Generators	1
84	94089	Santa Clara	1.760	0.003	0.002	Generators	1
85	94089	Santa Clara	36.810	0.100	5.506	Contact BAAQMD	1

Note: The estimated risk and hazard impacts from these sources would be expected to be substantially lower when site specific Health Risk Screening Assessments are conducted.

The screening level map is not recommended for evaluating sensitive land uses such as schools, senior centers, day cares, and health facilities.

ObjectID	FACID	Name	Address	City	St	Zip	County	Cancer (per million)	Hazard	PM_2.5 (ug/m3)	Type	X_Coord	Y_Coord
78	733	City of Sunnyvale Water Pollution Control	1444 Borregas Avenue	Sunnyvale	CA	94089	Santa Clara	53.771	0.089	9.266	Contact BAAQMD	587105.1662	4141818.464
638	5905	City of Sunnyvale/Public Works Dept	301 Carl Road	Sunnyvale	CA	94089	Santa Clara	60.642	0.295	10.844	Contact BAAQMD	587114.1662	4141828.464
1146	11024	JSR Micro, Inc	1280 N Mathilda Ave	Sunnyvale	CA	94089	Santa Clara	1.469	0.004	0.483	Contact BAAQMD	586321.1125	4141079.056
1397	12907	Yahoo Corporate Headquarters	701 1st Avenue	Sunnyvale	CA	94089	Santa Clara	15.702	0.024	0.02	Generators	586268.1662	4141601.464
1461	13156	OEpic Inc	1231 Bordeaux Drive	Sunnyvale	CA	94089	Santa Clara	2.591	0.004	0.003	Contact BAAQMD	586447.4268	4140959.203
1637	13549	Pacific Bell	1140 N Mathilda Ave	Sunnyvale	CA	94086	Santa Clara	16.84	0.026	0.021	Generators	586226.3661	4140535.164
1656	13586	Infinera Corporation	1322 Bordeaux Drive	Sunnyvale	CA	94089	Santa Clara	1.071	0.007	0.001	Contact BAAQMD	586629.5476	4141220.291
2122	14593	Cepheid Inc	904 E Caribbean Drive	Sunnyvale	CA	94089	Santa Clara	4.894	0.011	0.006	Contact BAAQMD	588215.1661	4141265.464
2194	14765	Finisar Corporation	1389 MOFFETT PARK DR	SUNNYVALE	CA	94089	Santa Clara	49.028	0.013	0.062	Generators	588342.528	4141102.43
2216	14815	NetApp, Inc	1395 Crossman	Sunnyvale	CA	94089	Santa Clara	3.212	0.009	0.004	Generators	586518.3515	4140423.726
2237	14864	Star One Credit Union	1306 Bordeaux Drive	Sunnyvale	CA	94089	Santa Clara	0.638	0.001	0.001	Generators	586600.1662	4141126.464
2523	15662	Yahoo Inc	1350 N Mathilda	Sunnyvale	CA	94089	Santa Clara	7.451	0.012	0.01	Generators	586333.1662	4141376.464
3226	17348	Bloom Energy	1252 Orleans Drive	Sunnyvale	CA	94089	Santa Clara	4.1	0.012	0.005	Contact BAAQMD	587866.9583	4140668.417
3624	18242	Equinix LLC	255 Caspian Drive	Sunnyvale	CA	94089	Santa Clara	95.006	0.156	0.121	Generators	587204.7401	4141331.742
3747	18507	Verizon Wireless (Lockheed)	1184 N Mathilda Ave #560	Sunnyvale	CA	94089	Santa Clara	2.007	0.001	0.003	Generators	586156.6597	4140631.316
3829	18667	Infinera Corp	169 Java Drive	Sunnyvale	CA	94089	Santa Clara	1.358	0.001	0.002	Generators	586757.7851	4141108.873
3864	18769	Jay Paul Company	1050 Enterprise Way	Sunnyvale	CA	94089	Santa Clara	18.362	0.05	0.023	Generators	585311.8919	4140190.913
4718	20583	LB&B Associates Inc	Defense Fl Sply Pt, DFSP	Moffett Field	CA	94035	Santa Clara	0.263	0	0	Contact BAAQMD	585069.885	4141500
4939	21016	Juniper Networks Inc	1133rd & 1137 Innovation Way	Sunnyvale	CA	94089	Santa Clara	0.085	0	0	Generators	585930.1663	4140532.464
5082	21297	Apple	985 Almanor Avenue	Sunnyvale	CA	94085	Santa Clara	2.63	0.009	0.003	Contact BAAQMD	585482.1664	4139555.464
5657	22403	Moffett Place LLC	1170 Bordeaux Drive	Sunnyvale	CA	94089	Santa Clara	1.075	0.002	0.001	Generators	586518.3515	4140423.726
5850	22772	GLO-USA	1231 Bordeaux Dr & W Java Dr	Sunnyvale	CA	94089	Santa Clara	No Data	0.001	No Data	Contact BAAQMD	586421.7784	4140987.289
5903	22845	Cepheid	1324 Chesapeake Ter	Sunnyvale	CA	94089	Santa Clara	5.663	0.009	0.007	Generators	588211.1661	4140894.464
6138	23252	Google LLC	1220 N Mathilda Ave	Sunnyvale	CA	94089	Santa Clara	8.747	0.023	0.011	Generators	586219.6363	4140902.04
6310	23575	City of Sunnyvale	1210 Bordeaux Drive	Sunnyvale	CA	94089	Santa Clara	8.332	0.018	0.01	Generators	586479.0608	4140707.439
6312	23579	Infinera Corporation	220 Humboldt Court	Sunnyvale	CA	94089	Santa Clara	0.46	0.001	0.001	Generators	586960.0743	4140513.763
6358	23692	Miltenyi Biotec Inc	249 Humboldt Court	Sunnyvale	CA	94089	Santa Clara	2.535	0.005	0.003	Generators	587153.7497	4140604.251
6466	23900	Google LLC	Crossman Campus	Sunnyvale	CA	94089	Santa Clara	6.265	0.011	0.008	Generators	587442.8075	4140649.098
6527	24040	Google LLC, c/o CBRE Inc	400 E Caribbean Drive	Sunnyvale	CA	94089	Santa Clara	3.088	0.002	0.004	Generators	587464.2388	4141446.025
9086	200822	Google LLC	803 ELEVENTH AVE	SUNNYVALE	CA	94089	Santa Clara	10.292	0.003	0.013	Generators	585746.0841	4140026.559
9783	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0	0	No Data	Contact BAAQMD	585363.6	4142183.57
9784	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0	0	No Data	Contact BAAQMD	585734.24	4141977.54
9785	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0	0	No Data	Contact BAAQMD	585734.24	4141977.54
9786	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.006	0	No Data	Contact BAAQMD		
9787	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.24	0	0	Generators	585621.1663	4141876.463
9788	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0	0	No Data	Contact BAAQMD		
9789	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0	0	No Data	Contact BAAQMD		
9790	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0	0	No Data	Contact BAAQMD		
9791	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0	0	No Data	Contact BAAQMD		
9792	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.57	0.001	0.001	Generators	585733.1663	4140722.464
9793	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	20.312	0.031	0.026	Generators	585480.1663	4141061.464
9794	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.103	0.001	0.855	Contact BAAQMD	585666.51	4141840.95
9795	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0	0	No Data	Contact BAAQMD		
9796	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.103	0.001	0.855	Contact BAAQMD	585666.51	4141840.95
9797	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.103	0.001	0.855	Contact BAAQMD	585666.51	4141840.95
9798	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0	0	No Data	Contact BAAQMD		
9799	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0	0	No Data	Contact BAAQMD		
9800	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	4.974	0.008	0.006	Generators	585566.53	4141059.18
9801	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	5.13	0.008	0.007	Generators	585728.1663	4141192.464
9802	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.026	0	0.066	Contact BAAQMD	585649.53	4141106.98
9803	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.103	0.001	0.855	Contact BAAQMD	585689.87	4141287.4
9804	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.103	0.001	0.855	Contact BAAQMD	585667.05	4141371.72
9805	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	1.179	0.002	0.001	Generators	585707.1663	4141307.464
9806	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0	0	No Data	Contact BAAQMD	585754.16	4141696.96
9807	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	2.746	0.004	0.004	Generators	585504.1663	4141759.464
9808	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	1.59	0.004	0.002	Generators	585621.1663	4141876.463
9809	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	2.36	0.007	0.003	Generators	585412.1663	4141724.464
9810	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.832	0.001	0.001	Generators	585647.1663	4141662.464
9811	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.444	0.001	0.001	Generators	585581.1663	4141588.464
9812	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	1.403	0.003	0.002	Generators	585654.1663	4141720.463
9813	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	1.424	0.003	0.002	Generators	585654.1663	4141720.463
9814	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	2.594	0.005	0.003	Generators	585581.1663	4141588.464
9815	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.002	0	0.006	Contact BAAQMD	585558.73	4141711.73
9816	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.002	0	0.005	Contact BAAQMD	585558.73	4141711.73
9817	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.4	0.001	0.001	Generators	585654.1663	4141720.463
9818	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.619	0.001	0.001	Generators	585654.1663	4141720.463
9819	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.619	0.001	0.001	Generators	585654.1663	4141720.463
9820	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089	Santa Clara	0.95	0.003	0.001	Generators	585504.1663	4141759.464

9821	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	13.887	0.021	0.018	Generators	585423.1663	4141402.463
9822	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	1.656	0.002	0.002	Generators	585421.1663	4141398.464
9823	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.006	0	0.015	Contact BAAQMD	585310.16	4141454.33
9824	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.145	0.001	0.36	Contact BAAQMD	585310.16	4141454.33
9825	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.097	0.001	0.24	Contact BAAQMD	585310.16	4141454.33
9826	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	1.109	0.002	0.001	Generators	585704.1663	4141722.463
9827	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.747	0.002	0.001	Generators	585704.1663	4141722.463
9828	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	1.15	0.003	0.001	Generators	585704.1663	4141722.463
9829	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.103	0.001	0.855	Contact BAAQMD	585667.05	4141371.72
9830	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0	0	No Data	Contact BAAQMD		
9831	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0	0	No Data	Contact BAAQMD		
9832	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0	0	0.001	Contact BAAQMD	586007.66	4141557.17
9833	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0	0	No Data	Contact BAAQMD	586007.66	4141557.17
9834	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	15.959	0.025	0.02	Generators	585952.1663	4141580.464
9835	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	18.462	0.039	0.023	Generators	586082.1663	4141628.464
9847	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.103	0.001	0.855	Contact BAAQMD	586007.66	4141557.17
9848	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	1.304	0.003	0.002	Generators	585910.1663	4141525.463
9849	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	7.876	0.012	0.01	Generators	585925.1663	4141425.464
9850	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0	0	No Data	Contact BAAQMD		
9851	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.059	0	0.147	Contact BAAQMD	585895.74	4141464.17
9852	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.059	0	0.147	Contact BAAQMD	585895.74	4141464.17
9853	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.127	0.001	0.315	Contact BAAQMD	585895.74	4141464.17
9854	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.022	0.001	No Data	Contact BAAQMD		
9855	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.017	0.002	No Data	Contact BAAQMD		
9856	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.011	0	No Data	Contact BAAQMD		
9857	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.829	0.001	0.001	Generators	585827.1663	4141535.464
9858	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	1.054	0.002	0.001	Generators	585782.1663	4140987.464
9859	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.989	0.002	0.001	Generators	585942.1662	4142244.464
9860	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.103	0.001	0.855	Contact BAAQMD	586007.66	4141557.17
9861	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.103	0.001	0.855	Contact BAAQMD	585879.07	4141058.02
9862	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0	0	No Data	Contact BAAQMD		
9863	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0	0	No Data	Contact BAAQMD		
9864	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.103	0.001	0.256	Contact BAAQMD	585879.07	4141058.02
9865	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.103	0.001	0.855	Contact BAAQMD	586037.68	4141014.26
9866	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.103	0.001	0.256	Contact BAAQMD	585879.07	4141058.02
9867	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0	0	No Data	Contact BAAQMD		
9868	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.103	0.001	0.256	Contact BAAQMD	585879.07	4141058.02
9869	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.103	0.001	0.256	Contact BAAQMD	585879.07	4141058.02
9870	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0	0	No Data	Contact BAAQMD		
9871	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.027	0	No Data	Contact BAAQMD		
9872	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0	0	No Data	Contact BAAQMD		
9873	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0	0	No Data	Contact BAAQMD		
9874	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0	0	No Data	Contact BAAQMD		
9875	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0.001	0	0.003	Contact BAAQMD	585879.07	4141058.02
9876	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	1.208	0.001	0.002	Generators	586010.1663	4140941.464
9877	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	1.157	0.002	0.001	Generators	586036.1663	4141158.464
9878	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	0	0	No Data	Contact BAAQMD	585307.58	4141329.85
9879	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	2.631	0.003	0.003	Generators	585348.1663	4141251.463
9880	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	2.047	0.003	0.003	Generators	585321.1663	4141161.464
9881	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	2.624	0.005	0.003	Generators	585310.1663	4141260.464
9882	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	1.76	0.003	0.002	Generators	585354.1663	4141319.463
9883	No Data	Lockheed Martin Corporation	1111 Lockheed Martin Way	Sunnyvale	CA	94089 Santa Clara	36.81	0.1	5.506	Contact BAAQMD	586017.2519	4140328.512

*Note that the latest BAAQMD Permitted Stationary Sources Risk and Hazards tool did not report the locations of all the sources correctly. Each source location was checked using the BAAQMD 2014 permitted stationary source Google Earth tool. However, for sources with zero concentrations or no data it was impossible to verify the exact location. Therefore, no location was provided. Since there is no risk associated with these sources, there would no contribution