

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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WEBSITE: WWW.BAAQMD.GOV

Health Risk Assessment

IMPORTANT: For any permit application that requires a Health Risk Assessment, fill out one form for each source that emits a Toxic Air Contaminant(s) [or for a group of sources that exhaust through a common stack]. Emissions can be from a discrete point source (with stack) or a source with fugitive emissions (area or volume source). You must provide a plot plan (drawn to scale, if possible) and a local map (aerial photos are recommended), which clearly demonstrate the location of your site, the source(s), property lines, and any surrounding buildings [see attached example]. Label streets, schools, residences, and other businesses. List major dimensions of all buildings surrounding the source in Section C.

Plant Name: \_\_\_\_\_ Plant No.: \_\_\_\_\_
Source Description: \_\_\_\_\_
Source No.: S-\_\_\_\_\_ Emission Point No.: P-\_\_\_\_\_
(if known) (if known)

SECTION A (Point Source)

- 1. Does the source exhaust at clearly defined emission point; i.e., a stack or exhaust pipe? YES OR NO
2. Does the stack (or exhaust pipe) stand alone or is it located on the roof of a building? alone OR on roof
3. What is the height of the stack outlet above ground level? feet OR meters?
4. What is the inside diameter of the stack outlet? inches OR feet OR meters
5. What is the direction of the exhaust from the stack outlet? horizontal OR vertical
6. Is the stack outlet: open or hinged rain flap OR rain capped (deflects exhaust downward or horizontally)
7. What is the exhaust flowrate during normal operation? cfm (cubic feet/min) OR meters3/second
8. What is the typical temperature of the exhaust gas? degrees Fahrenheit OR degrees Celsius

SECTION B (Area/Volume Source)

This section applies to fugitive emissions that are NOT captured by a collection system nor directly emitted through a stack or other emission point. Volume sources have fugitive emissions generally released within a building or other defined space (e.g., dry cleaner, gasoline station canopy). Area sources are generally flat areas of release (e.g., landfill, quarry).

- 1. Is the emission source located within a building? YES (go to #2) OR NO (go to #3)
2. If YES (source inside building), provide building dimensions on line B1 in Section C
a. Does the building have a ventilation system that is vented to the outside? YES OR NO
b. If NO (ventilation), are the building's doors & windows kept open during hours of operation? YES OR NO
3. If NO (source not inside building), provide a description of the source, dimensions, & indicate location on plot plan.

(Go on to Section C)

### SECTION C (Building Dimensions)

Provide building dimensions. Use Line B1 only for building with source/stack on the roof or with fugitive emissions inside building. Use Lines B2-B9 for buildings surrounding the source (within 300 feet). Distance and direction are optional if map and/or aerial photo are adequately labeled with locations of buildings. Check one for units:  feet OR  meters

B#	Building name or description	Height	Width	Length	Distance To Source	Direction To Source
B1	Building with source:				n/a	n/a
B2						
B3						
B4						
B5						
B6						
B7						
B8						
B9						

**NOTE:** Label buildings by B# on plot plan, map and/or aerial photo. Provide comments below for any details that need additional clarification (e.g., list buildings that are co-occupied by your employees and other workers, residents, students, etc).

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**(Go on to Section D)**

### SECTION D (Receptor Locations)

**NOTE:** Indicate on maps or aerial photos the residential and nonresidential areas surrounding your facility.

1. Indicate the area where the source is located (check one):
 

<input type="checkbox"/> zoned for residential use	<input type="checkbox"/> zoned for mixed residential and commercial/industrial use
<input type="checkbox"/> zoned for commercial and/or industrial use	<input type="checkbox"/> zoned for agricultural use
2. Distance from source (stack or building) to nearest facility property line = \_\_\_\_\_ feet OR \_\_\_\_\_ meters
3. Distance from source (stack or building) to the property line of the nearest residence = \_\_\_\_\_ feet OR \_\_\_\_\_ meters
4. Describe the nearest nonresidential property (check one):  Industrial/Commercial OR  Other \_\_\_\_\_
5. Distance from source (stack or building) to property line of nearest nonresidential site = \_\_\_\_\_ feet OR \_\_\_\_\_ meters
6. Distance from source to property line of nearest school\* (or school site) = \_\_\_\_\_ feet OR  Greater than 1,000 feet

[Note: Helpful website with California Dept. of Education data: [www.greatschools.net](http://www.greatschools.net)]

Provide the names and addresses of all schools\* that have property line(s) within 1,000 feet of the source:

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\*K-12 and more than twelve children only

EXAMPLE:

Check one for units:  feet OR  meters

B#	Building or Description	Height	Width	Length	Distance to Source	Direction to Source
B1	Building with source: Frazier Plating, shop	25	100	100	N/a	N/a
B2	Frazier Plating, office	15	50	175	40	N
B3	7-Eleven	20	50	225	100	N
B4	Ye Old Oak Cooper	12	63	225	100	W
B5	Floyd's Barber Shop	10	69	112	225	NE
B6	Goober's Car Care	15	175	225	220	E
B7	Exito Enterprises	13	115	275	220	SE
B8	Residential (9 Apartment Bldgs)	32	60	130	Various	S

Frazier Plating, 955 Duncan Blvd, Mayberry, CA



