

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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WEBSITE: WWW.BAAQMD.GOV

Health Risk Screening Analysis

IMPORTANT: For any permit application that requires a Health Risk Screening Analysis, 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.

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).

(Go on to Section D)

SECTION D (Receptor Locations)

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

- Indicate the area where the source is located (check one):
 - zoned for residential use
 - zoned for commercial and/or industrial use
 - zoned for mixed residential and commercial/industrial use
 - zoned for agricultural use
- Distance from source (stack or building) to nearest facility property line = _____ feet OR _____ meters
- Distance from source (stack or building) to the property line of the nearest residence = _____ feet OR _____ meters
- Describe the nearest nonresidential property (check one): Industrial/Commercial OR Other _____
- Distance from source (stack or building) to property line of nearest nonresidential site = _____ feet OR _____ meters
- 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]

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

*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



