

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

939 Ellis Street . . . San Francisco, CA 94109. . . (415) 749-4990 . . . FAX (415) 749-5030 OR 4949  
 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- _____<br>(if known) | Emission Point No.: P- _____<br>(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  
**(If YES continue at #2, If NO, skip to Section B)**
2. Does the stack (or exhaust pipe) stand alone or is it located on the roof of a building?  alone OR  on roof  
*Important: If stack is on a roof, provide building dimensions on line B1 in Section C.*
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 \_\_\_\_\_ meters<sup>3</sup>/second
8. What is the typical temperature of the exhaust gas? \_\_\_\_\_ degrees Fahrenheit OR \_\_\_\_\_ degrees Celsius  
**(Skip Section B and Go on to Section C)**

**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.**

- 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                                |
- 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](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:<br>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





