



South Coast Air Quality Management District

**South Coast AQMD Public Notification
Procedures for Facilities Under the Air Toxics
“Hot Spots” Information and Assessment Act
(AB 2588) and Rule 1402**

Updated October 2020

Table of Contents

I.	Introduction	1
II.	Background	1
III.	When Public Notification Is Required.....	2
	Public Notification for an Approved Health Risk Assessment	2
	Public Notification for a Progress Report	2
IV.	Making Health Risk Assessment Available to Public	3
V.	Procedures to Distribute Public Notification Materials.....	4
	Optional Facility Letter	4
	Area of Impact	5
	Distribution List.....	5
	Schedule and Method of Distribution	5
	Verification of Distribution	5
VI.	Procedures for Public Meetings.....	6
VII.	Costs Related to Public Notification	8
VIII.	Public Notification Procedures for Facilities Participating in the Voluntary Risk Reduction Program.....	8
IX.	Risk Communication Following Public Notification Process	9
X.	Additional Resources	9
	Appendix A – Verification Form for Distribution of Public Notification Materials	10
	Appendix B – Sample South Coast AQMD Public Notification Materials	12
	Appendix C – Sample South Coast AQMD Modified Public Notification	17

I. Introduction

The Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB 2588) and its subsequent amendments established a statewide program to inventory emissions of toxic air contaminants (TACs) from individual facilities as well as requirements for risk assessment, public notification of potential health risks, and risk reduction. South Coast Air Quality Management District (South Coast AQMD) Rule 1402 – Control of Toxic Air Contaminants from Existing Sources establishes facility-wide requirements for existing facilities that emit toxic air contaminants (TACs) and implements AB 2588. This document specifies the South Coast AQMD's public notification procedures for any facility with an approved Health Risk Assessment (HRA) exceeding the Notification Risk Level of Rule 1402. This document also provides the public notification procedures for a facility that is participating in the Voluntary Risk Reduction Program under Rule 1402. The public notification procedures in this document apply to all AB 2588 and Rule 1402 facilities except for facilities in the industrywide inventory program.¹ Compliance with AB 2588 and Rule 1402 Public Notification requirements does not replace Proposition 65 and its Public Notification requirements or any other regulatory requirements. For questions regarding the public notification procedures, please contact the AB 2588 Section at (909) 396-3616 or AB2588@aqmd.gov.

II. Background

Facility owners or operators subject to AB 2588 must submit a comprehensive air toxics emissions inventory every four years (referred to as a "quadrennial update"). Based on this quadrennial update, along with other parameters such as receptor distance, potency, and multi-pathway exposures, the South Coast AQMD staff prioritizes the facility and calculates a Total Facility Score.² Upon initial prioritization of facilities, the South Coast AQMD staff conducts further auditing to verify the Total Facility Score. If the Total Facility Score is greater than 10, the South Coast AQMD staff notifies the facility that they are subject to Rule 1402 and they will be required to prepare an Air Toxics Inventory Report and HRA. If the health risk reported in the approved HRA is greater than or equal to the Rule 1402 Notification Risk Level, then the facility owner or operator must provide public notification. Public notification is also required for facilities that elect to participate in the Rule 1402 Voluntary Risk Reduction Program. Public notification informs the public of their exposure to toxic air contaminants from facilities and the potential health risks associated with those exposures.

Under Health and Safety Code Section 44362(b), the operator of a facility must provide notice to all exposed persons if, in the judgment of the local air district, the facility's AB 2588 HRA indicates there is a "significant health risk" associated with air toxic emissions from the facility. The South Coast AQMD Governing Board adopted the Rule 1402 Notification Risk Level which represents the "significant health risk" levels requiring public notification under AB 2588. Health and Safety

¹ Separate notification procedures were approved by the South Coast AQMD Governing Board in January 2007 for three industry-wide categories, including gas stations, dry cleaners using perchloroethylene, and emergency diesel engines. (Available here: <http://www3.aqmd.gov/hb/2007/January/070128a.html>)

² Total Facility Scores are calculated using South Coast AQMD's "Facility Prioritization Procedures for AB 2588".

Code Section 44362(b) specifies that the notification threshold and notification procedures be determined by each local air district.

III. When Public Notification Is Required

Rule 1402 establishes the health risk thresholds and specific conditions in which public notification is required. Pursuant to Rule 1402, there are two scenarios when public notification is required :

- An approved HRA shows the total facility risk is greater than or equal to the Rule 1402 Notification Risk Level pursuant to Rule 1402 (q)(1); or
- Total facility risk as determined through a Risk Reduction Plan Progress Report is greater than or equal to the Action Risk Level pursuant to Rule 1402 (q)(2).

Facility owners or operators required to conduct public notification will receive a directive from South Coast AQMD to perform public notification by certified mail. For approved HRAs, this notification may be in the form of the HRA approval. The following sub-sections provides more details regarding the public notification procedures for these two scenarios.

Public Notification for an Approved Health Risk Assessment

Pursuant to paragraph (q)(1) of Rule 1402, an owner or operator of any facility is required to provide public notification if the total facility risk, as determined through a South Coast AQMD approved or prepared HRA, is greater than or equal to the Notification Risk Level. The Rule 1402 Notification Risk Level is:

- A Maximum Individual Cancer Risk (MICR) of ten chances in-one-million (10×10^{-6});
- A total acute or chronic HI of one (1.0) for any target organ system at any receptor location; or
- The more stringent of either the NAAQS for lead or the applicable ambient lead concentration in a South Coast AQMD rule.

There are three public notification components that the owner or operator must provide: Distribute Health Risk Assessment (see Section IV), Distribute Public Notification Materials (see Section V), and Public Meetings (see Section VI).

Public Notification for a Progress Report

Under Rule 1402, a facility that is implementing a Risk Reduction Plan is required to submit for review annual progress reports. Pursuant to paragraph (q)(2) of Rule 1402, an owner or operator of any facility for which total facility risk, as determined through a Progress Report is greater than or equal to the Action Risk Level shall provide written public notification 12 months after the Executive Officer approves the Risk Reduction Plan and every 12 months thereafter, until the total facility risk is below the Action Risk Level. The Rule 1402 Action Risk Level is:

- A MICR of twenty-five chances in-one-million (25×10^{-6});
- A cancer burden of one half (0.5);

- A total acute or chronic HI of three (3.0) for any target organ system at any receptor location; or
- The NAAQS for lead.

For Progress Reports where the health risk is greater than the Action Risk Level, there is one public notification component: Distribute Public Notification Materials (see Section V).

Rule 1402 requires that an owner or operator of any facility for which total facility risk, as determined through a Progress Report, is greater than or equal to the Significant Risk Level³ shall have public meetings conducted by South Coast AQMD. Under Rule 1402, the Significant Risk Level is:

- A MICR of one hundred chances in-one-million (100×10^{-6}); or
- A total acute or chronic HI of five (5.0) for any target organ system at any receptor location.

For Progress Reports where the health risk is greater than or equal to the Significant Risk Level, there are two public notification components: Distribute Public Notification Materials (see Section V) and Public Meetings (see Section VI).

Table 1 — Summary of Threshold Requirements for Public Notifications

Thresholds and Requirements for Public Notifications	Distribution of Health Risk Assessment	Distribution of Public Notification Materials	Public Meetings
Approved Health Risk Assessment \geq Notification Risk Threshold	Yes	Yes	Yes
Progress Report \geq Action Risk Threshold	No	Yes	No
Progress Report \geq Significant Risk Threshold	No	Yes	Yes

IV. Making Health Risk Assessments Available to the Public

Within 10 days of the directive to conduct public notification, the owner or operator shall provide to South Coast AQMD staff a copy of the approved HRA with any required redactions of trade secrets. The copy shall be provided in softcopy and one hardcopy report. South Coast AQMD staff will maintain the hardcopy report at the South Coast AQMD Library for no less than 18 months following approval of the HRA. South Coast AQMD staff will also provide the HRA, with any necessary redactions, along with the HRA approval letter on South Coast AQMD website. These

³ The Significant Risk Level under Rule 1402 is a separate definition than the “significant health risk” of Health and Safety Code Section 44362(b).

documents shall also be available on the website for no less than 18 months following approval of the HRA.

V. Procedures to Distribute Public Notification Materials

This section outlines the procedures for distributing Public Notification Materials. Distributing Public Notification Materials is required following the issuance of the directive to conduct public notification by South Coast AQMD. The Public Notification Materials must include a public notice developed by the South Coast AQMD (sample provided in Appendix B). The public notice will include information about the facility such as facility address and type of business. The public notice will also include information about the specific toxic air contaminants (TACs) that are contributing substantially to the health risk, the health risk levels that are exceeding the Notification Risk Level, and the estimated health risks. If a public meeting is required, the public notice will include information about the time, date, location, and purpose of the public meeting. Translation for all languages spoken by $\geq 10\%$ of a census tract in a public notification area may be required, and is based on South Coast AQMD staff discretion. The schedule for producing the Public Notification Materials is shown in Table 2. Table 2 also shows the party responsible for each item.

Optional Facility Letter

The facility has the option of including a letter of its own authorship which has been reviewed and approved by the Executive Officer. If a facility operator chooses to include their own letter as part of the Public Notification Materials, a draft of the facility letter must be submitted to the South Coast AQMD within 15 days of the directive to conduct public notification for review and approval.

The optional facility letter may be brief and simply refer to the enclosed South Coast AQMD materials or may be longer while providing additional information. In either case, the letter shall consist of brief paragraphs in non-technical language. Some acceptable information includes:

- A description of the facility and its products or services;
- An explanation of why the facility emits toxic air contaminants;
- Steps the facility has taken or will take to reduce emissions;
- Identification of the facility contact person with a phone number; and
- Other information relating to facility emissions or the HRA.

Certain content within the facility letter are not allowable, such as statements that undermine the risk assessment process or trivialize the risk associated with air toxics. Furthermore, the facility letter shall not discredit the risk assessment methodology used in the AB 2588 Program or imply that it is overly conservative. As with all public notification material, the facility letter must be translated to other languages based on South Coast AQMD staff determination.

Area of Impact

For cancer risk, the area of impact is the geographic area encompassed by the ten chances in-one-million (10×10^{-6}) MICR isopleth.⁴ For non-cancer health risk, the area of impact is the geographic area encompassed by the 1.0 HI isopleth or the isopleth corresponding to the lead threshold that triggered notification.

Distribution List

Within 15 days of the directive to conduct public notification, the facility owner or operator shall submit a list of all addresses (individual residences and workplaces) subject to notification to South Coast AQMD staff for review and approval. Within 25 days of the directive to conduct public notification, the facility owner or operator must inform South Coast AQMD staff of the exact method of distribution to parents of children attending schools in the area of impact.⁵ The method for informing students and parents of students attending schools in the notification area is left to the discretion of the school administrators. Some examples for distribution for school administrators include providing information on school website, providing a mailing list to South Coast AQMD for distribution by South Coast AQMD staff, or requesting Public Notification Materials in prepared envelopes for distribution by the school staff.

In addition, the South Coast AQMD staff provide the notice materials to local government representatives with jurisdiction within the notification area.

Schedule and Method of Distribution

Public Notification Materials must be distributed within 30 days of the directive to conduct public notification. The facility owner or operator is responsible for reproducing and distributing copies of the Public Notification Materials. All Public Notification Materials are to be enclosed in envelopes with South Coast AQMD return address labels. These envelopes may be obtained from the South Coast AQMD for a fee and upon request. Distribution of the Public Notification Materials must be conducted by a third party which specializes in mail or delivery services, such as the U.S. Postal Service or other mailing or distribution services. U.S. Postal Service regulations prohibit the use of individual's mail boxes by unauthorized persons.

Verification of Distribution

Within 15 days of the date of distribution of Public Notification Materials, the facility operator must verify distribution of the Public Notification Materials using the verification form provided in Appendix A. Proof of distribution must be included with the verification and may be in the

⁴ Note that the “area of impact” has a separate meaning than the “zone of impact” term used in HRAs.

⁵ For the purpose of these public notification procedures, the definition of “school” under Health and Safety Code Section 42301.9 shall be used. Under this definition, “school” means any public or private school used for purposes of the education of more than 12 children in kindergarten or any of grade 1 to 12, but does not include, any school in which education is primarily conducted in private homes.

Note that distribution to students and parents of students can be a lengthy process and therefore, contacting school administrators, who are responsible for approving the distribution, must be the first step taken.

form of receipts from delivery or mail service agencies or the post office which describe the boundaries of notification and/or the addresses included in the mailing.

Table 2 — Procedures For Public Notification Materials

Procedure	Schedule	Responsibility
Prepare public notice	After HRA is approved	South Coast AQMD staff
Determine if Public Notification Materials require translation.	Within 15 days following directive to conduct public notification	South Coast AQMD staff
Prepare a facility letter – (Optional).	Within 15 days following directive to conduct public notification	Owner or operator of facility
Provide a list of all addresses (individual residences and workplaces).	Within 15 days following directive to conduct public notification	Owner or operator of facility
Provide the exact method of distribution to the parents of children in schools within the area of impact.	Within 25 days following directive to conduct public notification	Owner or operator of facility
Reproduce and distribute Public Notification Materials to individual residences, workplaces, and parents of children attending school in the area of impact.	Within 30 days following directive to conduct public notification	Owner or operator of facility
Verification of distribution; such as receipts from delivery or mail service.	Within 15 days following distribution of Public Notification Materials	Owner or operator of facility

VI. Procedures for Public Meetings

This section establishes the procedures for scheduling and other logistics for public meetings (Table 3). Public meetings are required after the approval of a HRA where the health risk is greater than or equal to the Notification Risk Level or the health risk of a Risk Reduction Plan Progress Report is greater than or equal to the Significant Risk Level. Public meetings offer the public an opportunity to learn more about the results of the HRA and how health risk is determined and mitigated, and to directly ask questions of the South Coast AQMD staff and facility representatives. As a result, the facility owner or operator or representative that can respond on behalf of the facility must be present at the public meeting. The South Coast AQMD staff will work with the facility owner or operator to schedule a date for the public meeting that is typically within 30 days of distribution of Public Notification Materials. The date, time, and location of a public meeting must be provided within the Public Notification Materials. The South Coast AQMD staff will schedule the meeting on a weekday evening or weekend and at a location that is ADA compliant. South Coast AQMD staff will prioritize selection of locations that are convenient for community members. The South Coast AQMD staff will reserve a venue for the public meeting, arrange for audio and visual equipment and personnel, and language translation, if necessary.

Facility operators are encouraged to work closely with the South Coast AQMD staff regarding the meeting agenda. The recommended agenda includes a presentation followed by a question and answer period. It is recommended that the following topics be included in the presentation:

- Purpose of the meeting;
- Overview of the AB 2588 program;
- Description of the facility: type of operation, processes involved, and materials used or produced at the facility;
- Description of the health risk assessment process;
- Description of facility emissions and results of the Health Risk Assessment;
- Description of facility’s recent compliance history with South Coast AQMD;
- Facility's projects or plans to reduce toxic emissions or risk; and
- Applicable current or future regulatory programs to reduce risks from air toxics.

A pre-meeting should be arranged between the South Coast AQMD and facility staff to finalize meeting plans, including the appropriate persons to attend and assist in the presentation. The South Coast AQMD staff will be prepared to modify the meeting agenda in response to reasonable needs of the attendees. These sessions provide the public with an opportunity to ask questions directly to experts, learn more generally about toxic risk and provide feedback to the South Coast AQMD and facility. Informational materials should also be made available at the sessions.

Table 3 — Procedures for Public Meetings

Procedure	Schedule	Responsibility
Coordination meeting to identify the appropriate date for public meeting	Before distribution of Public Notification materials	South Coast AQMD staff and owner or operator of facility
Arrange for venue, audio visual equipment and personnel, translation (if necessary), parking, security, and any other meeting logistics.	Within 30 days of distribution of Public Notification Materials	South Coast AQMD staff
Pay for venue, audio visual equipment and personnel, translation, and any other costs	Within 60 days of facility’s receipt of invoice	Owner or operator of facility
Participate in public meeting.	Public notification meeting	South Coast AQMD staff and owner or operator of facility

VII. Costs Related to Public Notification

Pursuant to Rule 307.1, the facility owner or operator is responsible for all costs relating to the public notification. Examples of these items include, but are not limited, to the following:

- renting of the venue, audio visual equipment and personnel, translators, parking rental, security (if necessary);
- printing and distribution of all Public Notification Material;
- translation of all Public Notification Material;
- envelopes necessary for public distribution of material: and
- necessary postage.

VIII. Public Notification Procedures for Facilities Participating in the Voluntary Risk Reduction Program

This section provides the public notification procedures for facilities participating in the Rule 1402 Voluntary Risk Reduction Program. Pursuant to Rule 1402 (q)(3), the South Coast AQMD staff will conduct public notification for facilities that are eligible and that elect to participate in the Rule 1402 Voluntary Risk Reduction Program. Under Rule 1402, facilities that elect to participate in the Voluntary Risk Reduction Program commit to implementing risk reduction measures that will reduce their total facility risk below the Rule 1402 Voluntary Risk Threshold which is a Maximum Individual Cancer Risk of ten chances in-one-million (10×10^{-6}), a total acute or chronic HI of one (1.0) for any target organ system at any receptor location, or the more stringent of either the NAAQS for lead or applicable ambient lead concentration limit in a South Coast AQMD rule. The public notification for facilities participating in the Rule 1402 Voluntary Risk Reduction Program will be placed on the South Coast AQMD's website and will be included in the AB 2588 annual report. The public notification will include the following information:

- Background information about the 2015 update to the Office of Environmental Health Hazard Assessment (OEHHA) Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments that includes:
 - A description of how the updated OEHHA Guidance results in a higher estimated health risk from the facility compared to the previous Guidance;
 - Explanation that a facility's estimated health risk will increase using OEHHA's updated Guidance compared to estimates using the previous OEHHA Guidance even if emissions at the facility stay the same and potentially even if emissions decrease.
- Background information about the Voluntary Risk Reduction Program and that facilities that are participating are committing to risk reductions that:
 - Account for changes in risk estimates based on the Revised OEHHA Guidance; and

- Risk reductions go beyond what is required through regulatory requirements.
- A list of participating facilities – Facility Name, Facility ID, and Street Address

IX. Risk Communication Following Public Notification Process

Facility operators may choose to continue their dialogue with the community after they have completed their notification requirements. This dialogue could take the form of newsletters, facility tours, or additional public meetings. The South Coast AQMD encourages these efforts and requests that facilities keep the South Coast AQMD informed about their communication activities.

X. Additional Resources

[CARB AB 2588 Air Toxics "Hot Spots" Program](#)

[OEHHA Air Toxics Hot Spots Program Guidance Manual for the Preparation of Risk Assessments](#)

[South Coast AQMD Air Toxics "Hot Spots" Program \(AB 2588\)](#)

[South Coast AQMD Facility Prioritization Procedures for AB 2588 Program](#)

[South Coast AQMD Guidelines for Participating in the Rule 1402 Voluntary Risk Reduction Program](#)

[South Coast AQMD Rule 307.1 - Alternative Fees for Air Toxics Emissions Inventory](#)

[South Coast AQMD Rule 1402 – Control of Toxic Substance from Existing Sources](#)

[South Coast AQMD Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics “Hot Spots” Information and Assessment Act](#)

**Appendix A – Verification Form for Distribution of Public Notification
Materials**



South Coast Air Quality Management District

Form R1402

Verification Form for Distribution of Public Notices and Health Risk Assessments

Mail To: South Coast AQMD - AB 2588 Program 21865 Copley Dr. Diamond Bar, CA 91765

Tel: (909) 396-3616 www.aqmd.gov

Section A – Facility Information			
Facility Name (Business Name of Operator):		South Coast AQMD Facility ID:	
Facility Location Address:		Facility Mailing Address: <input type="checkbox"/> Check here if same as facility location address	
Street Address		Street Address	
_____, CA		_____	
City	Zip Code	City	State Zip Code
Facility Contact:			
Name	Title	Phone Number	E-Mail
Section B – Verification of Public Notification Requirements			
Dates of Distribution:			
	Public notice materials to all addresses in the area of impact.		
	Public notice materials to students and parents of students attending schools in the area of impact.		
Section C – List of Attachments			
The following documents have been attached:			
<input type="checkbox"/>	Proof of distribution of the notice materials to all addresses required.		
<input type="checkbox"/>	List of schools for which notices were distributed to parents of attending children.		
Section D – Authorization/Signature: I hereby certify that all the information contained herein are true and correct.			
Signature of Responsible Official:		Title of Responsible Official:	
Print Name of Responsible Official:		Date Signed (mm/dd/yy):	
Phone Number of Responsible Official:		Email Address of Responsible Official:	

Appendix B – Sample South Coast AQMD Public Notification Materials



South Coast Air Quality Management District

NOTICE OF PUBLIC MEETING TO DISCUSS HEALTH RISK ASSESSMENT FOR A FACILITY IN YOUR NEIGHBORHOOD

The following business in your neighborhood has been emitting toxic air pollutants that could potentially cause a risk to public health. **[FACILITY NAME]** has been required to conduct a Health Risk Assessment (HRA) to evaluate how emissions are released and dispersed from **[FACILITY NAME]**, and the potential impact those releases may have to public health.

Business Name	Location Address	Type of Business
[FACILITY NAME]	[FACILITY ADDRESS]	[TYPE OF BUSINESS]

As the air pollution control agency for this area, South Coast Air Quality Management District (South Coast AQMD) will hold a public meeting to answer questions about the results of **[FACILITY NAME] [INVENTORY YEAR]** Approved HRA. Officials from **[FACILITY NAME]** will also attend the meeting to answer questions about their operations and future plans to reduce emissions impacting your neighborhood. [South Coast AQMD will hold the public meeting via video conferencing and by telephone. The audience will be able to participate during the public comment period.](#)

Date & Time	Meeting Details
[DATE & TIME]	[MEETING DETAILS]

INSTRUCTIONS FOR ELECTRONIC PARTICIPATION

Instructions for Participating in a Virtual Meeting as an Attendee

- As an attendee, you will have the opportunity to virtually raise your hand and provide public comment.
- Before joining the call, please silence your other communication devices such as your cell phone or desk phone. This will prevent any feedback or interruptions during the meeting.
- Please Note: During the meeting, all participants will be placed on mute by the host. You will not be able to mute or unmute your lines manually.
- Speakers will be limited to a total of three (3) minutes for their opportunity to provide comments. This time may be reduced if there are a large number of commenters to ensure that all comments can be heard. A countdown timer will be displayed on the screen for each public comment.
- Once you raise your hand to provide public comment, your name will be added to the speaker list. Your name will be called when it is your turn to comment. The host will then unmute your line.

Directions for Video Zoom on a Desktop/Laptop/Smartphone

- If you would like to make a public comment, please click on the “Participants” button on the bottom of the screen.
- A list of participants will appear on the right side of the screen for computers and on a new screen for smartphones. At the bottom of the list, please click on the grey “Raise Hand” button.
- This will signal to the host that you would like to provide a public comment and you will be added to the list.
- Please Note: At the bottom of your screen, please click the “Interpretation” button and select either “English” or “Spanish”.

Directions for Telephone Line Only

- If you would like to make a public comment, please dial *9 on your keypad to signal that you would like to comment
- Please Note: There is no interpretation feature available when joining via telephone dial-in.





South Coast Air Quality Management District

Summary of Health Risk Assessment

The approved HRA, which used **[INVENTORY YEAR]** data, showed that pollutants (**[PRIMARY TAC RISK DRIVER]**) from **[FACILITY NAME]** may cause an increased health risk for people who live and work in the area as seen in the attached Facility Risk Map (**[Figure 1]**).

The attached information sheet provides additional background on the business, air pollutants and health risks. The following table shows the estimated, potential health risks from the **[INVENTORY YEAR]** Approved HRA.

	[INVENTORY YEAR] Approved HRA
Maximum probability of cancer for those living closest to the facility (30 year exposure)	[XX] chances in-one-million
Maximum additional cases of cancer (70 year exposure)	[XX]
Maximum short-term non-cancer health effects (1 hour exposure)	[XX] times higher than state health based guidelines

For more information about South Coast AQMD programs to control toxic air pollution or the public meeting, please contact Victoria Moaveni of South Coast AQMD at (909) 396-2455 or vmoaveni@aqmd.gov. For more information about the facility, please contact **[FACILITY CONTACT NAME]** at **[FACILITY CONTACT NAME]** or **[CONTACT EMAIL]**.

*Disability and language-related accommodations can be requested to allow participation in the **[FACILITY NAME]** Rule 1402 public notification meeting. The agenda will be made available, upon request, in appropriate alternative formats to assist persons with a disability (Gov't Code Section 54954.2(a)). In addition, other documents may be requested in alternative formats and languages. Any disability or language-related accommodation must be requested as soon as practicable. Requests will be accommodated unless providing the accommodation would result in a fundamental alteration or undue burden to the District. Please contact the AB 2588 Hotline at (909) 396-3610 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to AB2588@aqmd.gov.*





South Coast Air Quality Management District

[INVENTORY YEAR] Approved HRA Facility Risk Map (Figure 1)

[FACILITY NAME]
(South Coast AQMD
ID No. **[FACILITY ID]**)
[FACILITY CITY], California

[FACILITY NAME]
Public Notification Area Map

Cancer Risk 10 chances in-one-million
(Yellow Contour)

[FACILITY NAME] (Red Outline)



Public Notification Required if:

- Maximum probability of cancer for those living closest to the facility is greater than 10 chances in-one-million
- Maximum probability of cancer for those working closest to the facility is greater than 10 chances in-one-million
- Long-term non-cancer health effects are greater than state health-based guidelines
- Short-term non-cancer health effects are greater than state health-based guidelines





South Coast Air Quality Management District

INFORMATION SHEET

What are toxic air pollutants?

Chemicals that can cause cancer and other adverse health effects such as harm to the human respiratory system are known as toxic substances. When these toxic substances are released in the air, they are called toxic air pollutants. Toxic air pollutants come from a variety of sources including chemical plants, large manufacturers, businesses and cars and trucks. Many products used at home, such as cleaners and paint thinners also contain toxic air pollutants.

What toxic air pollutants does this facility emit?

Exposure to elevated concentrations of **[PRIMARY TAC RISK DRIVERS]** can have potential cancer and non-cancer health risks. Long and short term health-based levels have been established by the California Office of Environmental Health Hazard Assessment (OEHHA).

The facility emits the following toxic air pollutants as a result of **[MAJOR FACILITY PROCESSES PRODUCING PRIMARY TAC DRIVERS]**:

Pollutants	Possible Health Effects

How was the health risk from this facility determined?

The **[INVENTORY YEAR]** Approved HRA used estimated amounts of pollutants released from operations at **[FACILITY NAME]**. That information is inputted into a computer-based model that evaluates air quality dispersion and predicts air pollution concentrations throughout the community. The results are then measured against exposure levels determined by OEHHA to predict potential impacts to people's health.

OEHHA updated their health effects guidance in March 2015 to specifically include new information that provides more insight on how toxic air pollutants can have a greater impact on children than they do on adults. This newer methodology led to stricter health standards, which in turn resulted in health risk estimates that are approximately 3.7 times more conservative than those using previous methods. This method of determining risk may differ from other regulatory programs, such as public notification being carried out under Proposition 65.

What did the Health Risk Assessment find?

An HRA is currently the best method for estimating the amount of exposure to a chemical over a long period of time and the potential health impacts.

The **[INVENTORY YEAR]** Approved HRA for **[FACILITY NAME]** was calculated using a 30-year conservative

exposure measurement that assumed a person would be continually exposed to emissions from a facility for 30 years.

The **[INVENTORY YEAR]** Approved HRA, based on known information at the time, found that people who live in the area shown on the Facility Risk Map (Figure 1), if continuously exposed for 30 years, would have a maximum of **[xx]** chances in-one-million of developing cancer mainly due to **[PRIMARY TAC RISK DRIVERS]** emissions from this facility. Those who work in the area would have a maximum of **[XX]** chances in-one-million of developing cancer. The risk is primarily due to **[MAJOR FACILITY PROCESSES PRODUCING PRIMARY TAC DRIVERS]**.

What is being done to reduce the health risks from this facility?

South Coast AQMD Rule 1402 — Control of Toxic Air Contaminants from Existing Sources applies to facilities that exceed specific risk thresholds (e.g., cancer risk greater than 25 chances chances in-one-million) and requires the facility to submit a plan to reduce its risk below thresholds and implement this risk reduction plan within two and a half years after approval.

In this case, **[FACILITY NAME]** is required to conduct both public notification and risk reduction. South Coast AQMD has also developed other programs designed to prevent pollution and reduce exposure to toxic air pollution, such as air toxic regulations specific to certain sources.

What is the cancer risk from toxic air contaminants in general?

The Multiple Air Toxics Exposure Study IV (MATES IV) presents estimates of cancer risk throughout South Coast AQMD's four county jurisdiction. The estimated risk for cancer from all toxic air contaminants emitted from all sources (cars, trucks, factories, power plants, etc.) is about 900 chances in-one-million .

How can I get more information?

Page ES-3 of MATES IV Executive Summary, available at: <http://www.aqmd.gov/docs/default-source/air-quality/air-toxic-studies/mates-iv/mates-iv-final-draft-report-4-1-15>

A copy of South Coast AQMD's approved health risk assessment for **[FACILITY NAME]** is available online at: **[URL]** or at the following library:

South Coast AQMD Library

21865 Copley Drive Diamond Bar, CA 91765
(909) 396 - 2600
Tue - Thu: 10 AM - 5 PM Fri: 8 AM - 3 PM
Sat, Sun, Mon: Closed



**Appendix C – Sample South Coast AQMD
Modified Public Notification**

Notification of Facilities Participating in the Rule 1402 Voluntary Risk Reduction Program

Updated September 18, 2019

South Coast AQMD's Rule 1402 – Control of Toxic Air Contaminants from Existing Sources includes a Voluntary Risk Reduction Program. Facilities that participate in the Voluntary Risk Reduction Program reduce their health risks sooner and below the thresholds required under Rule 1402. Facilities that participate in this program have already had a Health Risk Assessment (HRA) approved by South Coast AQMD that shows the facility's risks were below risk reduction thresholds at the time of HRA approval. An HRA is a study that estimates how a facility's emissions affect people's health risks in the surrounding community.

On March 6, 2015, the California Office of Environmental Health Hazard Assessment (OEHHA) approved revisions to its guidelines (2015 OEHHA Guidelines) that are used by all air districts throughout the state to prepare HRAs. The 2015 OEHHA Guidelines incorporates age sensitivity factors which will increase cancer risk estimates to residential and sensitive receptors by approximately three times, and more than three times in some cases depending on whether the TAC has multiple pathways of exposure in addition to inhalation. Under the 2015 OEHHA Guidelines, even though the toxic emissions from a facility have not increased, the estimated cancer risk to a residential receptor will increase. Cancer risks for offsite worker receptors are similar between the existing and revised methodology because the methodology for adulthood exposures remains relatively unchanged. The Voluntary Risk Reduction Program provides an opportunity for participating facilities to address the increase in their estimated cancer risk due to the 2015 OEHHA Guidelines.

Table 1 below lists the facilities that have elected to participate in the Voluntary Risk Reduction Program and have an approved Voluntary Risk Reduction Plan.

Questions about the South Coast AQMD's Voluntary Risk Reduction Program or this Notification can be directed to AB 2588 staff at (909) 396-3616 or AB2588@aqmd.gov.

**Table 1
List of Facilities with an Approved Voluntary Risk Reduction Plan**

South Coast AQMD Facility ID	Facility Name	Address